



## Overview of electric power tools for metal processing

2004 / 2005

 Cutting

 Fastening

 Edge Machining

**DOBCO**  
EQUIPMENT LTD

Ontario's Largest  
Pneumatic & Hydraulic Tool Distributor

1-2430 Lucknow Drive, Mississauga, Ontario L5S 1V3. Tel: 905-672-5557 Fax: 905-672-5559  
Email: [sales@dobcoeqp.com](mailto:sales@dobcoeqp.com) [www.dobcoeqp.com](http://www.dobcoeqp.com)

**TRUMPF**



 Cutting

**Slitting Shears C**

- Precision cutting
- Cutters are exchanged within seconds
- Simple exchange of cutting guide
- The right cutter for every application
- Suitable for C-L-U profiles
- Available with chip clipper

**Applications:**

- Air duct construction (Spiral-seam tubes)
- House-front construction
- Construction, including separation of C profiles
- Auto body shop
- Ventilation and air conditioning
- Aviation

**Shears S**

- Highly accurate contouring
- Chip-free cutting
- Fast precision cutting in all directions
- Clear, unimpeded view of work area and cutting line

**Applications:**

- Car-body shops
- Electrical fitters

- Plumbers
- Sanitary / Heating / Ventilation works
- Containers
- Elevators
- General sheet metal processing operations

 Cutting

**Nibblers N**

- Suitable for use with high-tensile materials
- Chip-free cutting
- Excellent, emission-free processing
- Long tool life means consistently high cut quality

**Applications:**

- General metal processing facilities
- Metal fitting shops
- Disassembly of tanks and containers
- Metal encasings
- Containers
- Car-body shops

**Panel Cutter TPC**

- High-precision, right-angle cutting
- Inner contouring and coping without starting holes
- Cuts already mounted panels
- Complete machining from one side

**Applications:**

- Industrial halls (roofs and walls)
- Refrigeration facilities
- Clean room walls
- Containers

 Fastening

**Seam Lockers F**

- Economical seam locking at the assembly site
- Consistently high seam quality for straight and curved ducts
- Fast, tight closing of Pittsburgh lock seams with high load capacity

**Applications:**

- Heating and ventilation works
- Chimney work
- House front coverings
- Industrial ventilators

**Power Fasteners TF**

- Form lockout, corrosion-resistant, cold-forming fastening (cutting forming)
- Replaces fastening elements such as screws or rivets
- No comparison for speed machining
- For stationary and portable uses

**Applications:**

- Ventilation works and climate control technology
- Containers
- Electrical and chemical appliances

 Edge Machining

**Bevellers TKA**

- Fast
- Emission-free
- Oxide-free cut edge
- Applications for a variety of contours and pipes
- 30°, 45°, 60° as well as radius edges

**Applications:**

- Fabrication shops
- Steelwork
- Railroad cars
- Shipbuilding
- Machine manufacturing
- Commercial vehicles
- Boilers
- Job Shops for sheet metal working

**Welded Edge Bevellers TKF**

- Fast
- Emission-free
- Applications for a variety of contours and pipes
- For stationary and portable uses

**Applications:**

- Locksmiths
- Steelwork
- Railroad cars
- Shipbuilding
- Machine manufacturing
- Commercial vehicles
- Boilers
- Job Shops for sheet metal working

		C 160-2 / C 160-2 PLUS	C 250-0 PLUS
<b>Max. sheet thickness</b>			
Steel 400 N / mm <sup>2</sup>	mm	1.6	2.5
= Spiral-seam tubes	mm		4 x 0.9 / 6 x 0.6
Steel 600 N / mm <sup>2</sup>	mm	1.2	1.5
= Spiral-seam tubes	mm		4 x 0.6
Aluminium 250 N / mm <sup>2</sup>	mm	2	3
Working speed	m / min	6 – 10	3 – 10
Start hole diameter	mm	15	25
Smallest radius	mm	90	50
Rated input power	W	350	500
Strokes at nominal load	1 / min	3800	2400
Weight without cable	kg	1.4	2

		N 160-E	N 200-4	N 350-4	N 500-6	N 700-2
<b>Max. sheet thickness</b>						
Steel 400 N / mm <sup>2</sup>	mm	1.6	2	3.5	5	7
Steel 600 N / mm <sup>2</sup>	mm	1	1.5	2.3	3.2	5
Steel 800 N / mm <sup>2</sup>	mm	0.7	1	1.8	2.5	3.5
Aluminium 250 N / mm <sup>2</sup>	mm	2	2.5	3.5	7	10
Working speed	m / min	1.5	1.5	1.4	1.5	1.3
Start hole diameter	mm	21	16	30	41	60
Smallest radius	mm	40	4	7	90	140
Rated input power	W	350	500	1400	1400	1600
Strokes at nominal load	1 / min	1600	1540	720	720	300
Weight without cable	kg	1.7	2.2	3.7	4	8.3

		F 125-4	F 140-4	F 140-4 FB		F 300-2	F 300-2 PLUS*	F 301-2
				long	short			
Steel 400 N / mm <sup>2</sup> (min.)	mm			0.6	0.6	0.75	0.75	0.45
Steel 400 N / mm <sup>2</sup> (max.)	mm	1.25	1.4	1.4	0.75	1.25	1.25	1
Steel 600 N / mm <sup>2</sup> (max.)	mm		0.6					
Edge length (H)	mm	40	10 – 15	15 – 20	15 – 20			
Flange height (B)	mm		8 – 12	12	8			7.5 – 8
Flange height sheet thickness 0.6–1 / 1–1.25	mm					9 – 11/11 – 13	9 – 11/11 – 13	
Clearance (C)	mm		2.5	5.5	5.5			
Working speed	m / min	5 – 6	6 – 10	6 – 10	6 – 10	4 – 7	6.5 – 10.5	4 – 6
Smallest inner radius (preformed)	mm		300	300	300	150	150	150
Smallest outer radius	mm		500	100	100	300	300	300
Rated input power / Strokes at nominal load	W / 1 / min	500 / 1850	500	500	500	500	1400	500
Weight without cable	kg	2.8	4.2	4.2	4.2	5.4	6.2	5.2

\* without picture

		TKA 300-0			TKA 500-0		
		30°	45°	60°	30°	45°	60°
<b>Bevel angles</b>							
<b>Max. bevel height</b>							
Steel 400 N / mm <sup>2</sup>	mm	2.6	2.2	1.5	4.3	3.5	2.5
= bevel length	mm	3.0	3.0	3.0	5.0	5.0	5.0
Steel 600 N / mm <sup>2</sup>	mm	1.3	1.0	0.8	2.2	1.7	1.3
= bevel length	mm	1.5	1.5	1.5	2.5	2.5	2.5
Steel 800 N / mm <sup>2</sup>	mm	0.9	0.7	0.5	1.3	1.0	0.8
= bevel length	mm	1.0	1.0	1.0	1.5	1.5	1.5
Aluminium 250 N / mm <sup>2</sup>	mm	5.2	4.5	3.0	6.1	7.0	5.0
= bevel length	mm	6.0	6.0	6.0	7.0	10	10
Min. sheet thickness	mm	0.5	0.5	0.5	0.5	0.5	0.5
Smallest inner radius	mm	12	12	12	12	12	12
Rated input power	W	850	850	850	1400	1400	1400
Weight without cable	kg	2.9	2.9	2.9	3.5	3.5	3.5

C 160-2\*\*



† = 1.6 mm  
▲ = 1.4 kg

C 160-2 PLUS\*\*



† = 1.6 mm  
▲ = 1.4 kg

C 250-0 PLUS



† = 2.5 mm  
▲ = 2.0 kg

N 160 E



† = 1.6 mm  
▲ = 1.7 kg

N 200-4 \*



† = 2 mm  
▲ = 2.1 kg

N 350-4 \*



† = 3.5 mm  
▲ = 3.7 kg

N 500-6 \*



† = 5 mm  
▲ = 4.0 kg

N 700-2 \*



† = 7 mm  
▲ = 11.7 kg

F 125-4 \*



Edge length: 40 mm  
† = 1.25 mm  
▲ = 2.6 kg

F 140-4



Flange height: 8-12 mm  
† = 1 mm  
▲ = 4.0 kg

F 140-4 FB



Flange height: 8-12 mm  
† = 1 mm  
▲ = 4.0 kg

F 300-2 \*



Flange height: 9-13 mm  
† = 1.25 mm  
▲ = 5.4 kg

F 301-2 \*



Flange height: 7.5-8 mm  
† = 1 mm  
▲ = 5.3 kg

TKA 300-0



h<sub>s</sub> = 2.2 mm  
▲ = 2.9 kg

TKA 500-0



h<sub>s</sub> = 3.5 mm  
▲ = 3.5 kg



		S 160 E	S 160-6	S 250-6	S 350-4	S 450-4
<b>Max. sheet thickness</b>						
Steel 400 N / mm <sup>2</sup>	mm	1.6	1.6	2.5	3.5 (Coil 3)	4.5 (Coil 4)
Steel 600 N / mm <sup>2</sup>	mm	1	1.2	2	3 (Coil 2.5)	3.5 (Coil 3)
Steel 800 N / mm <sup>2</sup>	mm	0.7	1	1.5	2 (Coil 1.5)	2.5 (Coil 2)
Aluminium 250 N / mm <sup>2</sup>	mm	2	2	3	4	5
Working speed	m / min	2 – 7	8 – 12	4 – 7	4 – 6	4 – 6
Start hole diameter	mm	23	27	28	50	75
Smallest radius	mm	20	15	20	30	35
Rated input power	W	350	350	500	1400	1400
Strokes at nominal load	1 / min	1600	4800	1760	1600	1600
Weight without cable	kg	1.9	1.6	2.2	5.6	6.2

		N 1000-0	N 160 E	PN 161-4	PN 200-4	Set PN 200-4	TPC 150-2 V80	TPC 150-2 V150		
<b>Max. sheet thickness</b>		<b>1<sup>st</sup> / 2<sup>nd</sup> gear E*</b>								
Steel 400 N / mm <sup>2</sup>	mm	10 / 8	1.6	2	2	2	Max. panel thickness mm	80	150	
Steel 600 N / mm <sup>2</sup>	mm	7 / 5	1	1.5	1.5	1.5	Steel 400 N / mm <sup>2</sup>	mm	0.9	0.9
Steel 800 N / mm <sup>2</sup>	mm	5 / 4	0.7	1	1	1	Isolation material	Polyuretan-Schaum Polyuretan-Schaum		
Aluminium 250 N / mm <sup>2</sup>	mm	12 / 10	2	3	3	3	Working speed	m / min	4	4
Working speed	m / min	1 / 1.6	1.5	2	2	2	Smallest possible insertion	mm	260 x 260	340 x 340
Start hole diameter	mm	75	21	24	24	24	Rated input power	W	1400	1400
Smallest radius	mm	300	40	50	50	50	Weight without cable	kg	10.2	10.4
Rated input power	W	2000	350	500	500	500				
Strokes at nominal load	1 / min	230 / 370	1600	1540	1540	1540				
Weight without cable	kg	14.7	1.7	2.3	2.1	2.1				

\* E = with extension



TF 350-2		
<b>Max. sheet thickness</b>		
Steel 400 N / mm <sup>2</sup>	mm	3.5
Steel 600 N / mm <sup>2</sup>	mm	2.5
Aluminium 250 N / mm <sup>2</sup>	mm	4
Min. sheet thickness	mm	0.8
Locking power max.	kN	25
Max. stroke power	s1	2
Edge clearance min.	mm	8
Edge clearance max.	mm	58
Flange height max.	mm	40
Rated input power	W	1400
Weight without cable	kg	8.3

TKF 700-2				TKF 104-0			TKF 1500-0	TKF 1500-0 PLUS	
<b>Bevel angles</b>				30°	37,5°	45°			
<b>Max. bevel height</b>									
Steel 400 N / mm <sup>2</sup>	mm	6	5.5	5	Steel 400 N / mm <sup>2</sup>	mm	9.5	8.7	7.8
= bevel length	mm	7	7	7	= bevel length	mm	11	11	11
Steel 600 N / mm <sup>2</sup>	mm	5	4.5	4	Steel 600 N / mm <sup>2</sup>	mm	7.8	7.1	6.4
= bevel length	mm	5.8	5.7	5.6	= bevel length	mm	9	9	9
Steel 800 N / mm <sup>2</sup>	mm	3.5	3	3	Steel 800 N / mm <sup>2</sup>	mm	5.2	4.8	4.2
= bevel length	mm	4	4	4.2	= bevel length	mm	6	6	6
Sheet thickness	mm	1 – 20	1 – 20	1 – 20	Sheet thickness	mm	3 – 25	3 – 25	3 – 25
Smallest radius	mm	40	40	40	Smallest radius	mm	50	50	50
Working speed	m / min	1.5	1.5	1.5	Working speed	m / min	2.5	2.5	2.5
Rated input power	W	1400	1400	1400	Rated input power	W	2000	2000	2000
Strokes at nominal load	1 / min	720	720	720	Strokes at nominal load	1 / min	400	400	400
Weight without cable	kg	5.4	5.4	5.4	Weight without cable	kg	12.8	12.8	12.8
							16.5		
								19.5	19.5

\*Bevel angles (with special stripper)



**S 160 E**



 = 1.6 mm  
 = 1.9 kg



**S 160-6 \*\***



 = 1.6 mm  
 = 1.6 kg



**S 250-6 \***



 = 2.5 mm  
 = 2.3 kg



**S 350-4 \***



 = 3.5 mm  
 = 5.6 kg



**S 450-4**



 = 4.5 mm  
 = 6.2 kg

**N 1000-0 \***



 = 10 mm  
 = 14.7 kg

**N 160 E with extension**



For profiles:  
 = 1.6 mm  
 = 1.7 kg



**PN 161-4 \*\***



For profiles:  
 = 2 mm  
 = 2.4 kg



**PN 200-4 \*\***



For profiles:  
 = 2 mm  
 = 2.1 kg



**Set PN 200-4 \*\***



For profiles:  
 = 2 mm  
 = 2.4 kg

**TF 350-2**



 = 3.5 mm  
 = 8.3 kg

**TKF 700-2\***



  $h_s$  = 5 mm  
 = 5.4 kg

**TKF 104-0\***



  $h_s$  = 7.8 mm  
 = 12.8 kg

**TKF 1500-0\***



  $h_s$  = 10.6 mm  
 = 16.5 kg

**TKF 1500-0 PLUS\***



  $h_s$  = 10.6 mm  
 = 19.5 kg



\* These electric power tools are also available as pneumatic power tools.

\* These electric power tools are also available as cordless power tools.

**TPC 150-2 V80**





Panel thickness:

 = 80 mm  
 = 10.2 kg

**TPC 150-2 V150**



Panel thickness:

 = 150 mm  
 = 10.4 kg

Slitting Shears C



Shears S



Nibblers N



Panel Cutter TPC



Seam Lockers F



Power Fasteners TF



Bevellers TKA



Welded Edge Bevellers TKF



# TRUMPF Cordless Series

## Your solution when a power source isn't readily available

With the cordless series, TRUMPF offers six high performance portable tools that solve the problem when your work requires independence from a power source.

Used in construction, maintenance, and many recycling and demolition applications, these tools offer the same superior performance and durability provided by our electric and pneumatic portable power tools.

TRUMPF Cordless Series	Machine Specifications	C 160-2 Cordless	C 160-2 PL Cordless	C 200-0 PL Cordless	S 114-0 Cordless	S 160-4 Cordless	PN 200-2 Cordless
Maximum sheet thickness							
Steel, 57,000 tensile	ga. / in.	16 / .063	16 / .063	14 / .080	16 / .059	16 / .063	14 / .075
Steel, 85,000 tensile	ga. / in.	19 / .042	19 / .042	18 / .047	19 / .039	18 / .047	18 / .047
Aluminum, 35,000 tensile	ga. / in.	.078	.078	.098	.075	.078	.105
Approx. working speed	ft. / min.	20 - 32	20 - 32	10 - 20	3.5 - 6.5	6 - 20	5
Smallest radius	in.	1.18 - 6.3*	1.18 - 6.3*	2.0 - 6.3*	2.36	.79	2.75
Smallest starting hole	in.	.315 - .60	.315 - .60	1.0 - 1.2	n/a	1.1	1.0
Voltage / Capacity	v / Ah	12 / 2.0	12 / 2.0	12 / 2.0	12 / 2.0	12 / 2.0	12 / 2.0
Stroke rate	per min.	1200	1200	1800	3700	2800	1200
Weight with battery	lbs.	4.2	4.2	5.3	5.3	4.5	4.9

\*Minimum radius determined by type of center cutter being used

### Doublecut Shears C 160-2 Cordless



up to .063 in. (16 ga.)

### Doublecut Shears C 160-2 PL Cordless



up to .063 in. (16 ga.)

### Doublecut Shears C 200-0 PL Cordless



up to .080 in. (14 ga.)

### Trimming Shears S 114-0 Cordless



up to .063 in. (16 ga.)

### Shears S 160-4 Cordless



up to .063 in. (16 ga.)

### Profile Nibbler PN 200-4 Cordless



up to .075 in. (14 ga.)



2 12v / 2.0 Ah batteries are supplied with each cordless tool  
Order No. 133863



12 v. Battery Charger  
120 volt  
Order No. 133865



**TRUMPF**





# TRUMPF Cordless Series

**Features:****C 160-2 / C 160-2 PL Cordless  
Doublecut Shears**

- For each application the correct choice of cutter ensures proper cutting clearance... every time.
- Machine is easily retracted from chip, and started up again at a new position.
- Reversible fixed cutters have two cutting edges.

**Features:****C 200-0 PLUS Cordless  
Doublecut Shears**

- The largest capacity cordless doublecut shear on the market.
- Excellent visibility along a scribed line.
- Clip off chip during operation...all with just one hand.

**Features:****S 114-0 Trimming Shear**

- Easy, precise trimming of duct located close to wall or ceiling.
- Clean cutting quality, even across spiral duct seams
- Top and bottom cutters are interchangeable...and each has two cutting edges.

**Features:****S 160-4 Cordless Shears**

- Small but powerful 16 gauge shears offer extreme maneuverability and easy handling.
- Each of the identical cutters has 4 cutting edges...rotate them for extra tooling life.
- The protective waste guide and ergonomic
- Designed to reduce fatigue and add to your on-site productivity.

**Features:****PN 200-4 Cordless Profile Nibbler**

- Fast, easy cutting of profiles, corrugated and trapezoidal sheets up to a depth of 3.125".
- Extremely maneuverable, with a 72-position indexed cutting head that allows you to access awkwardly positioned materials.
- Cutting metal studs...or any materials with bends up to 90° is quick and accurate.



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TRUMPF, Inc.  
Portable Power Tools  
111 Hyde Road  
Farmington, CT 06032  
Ph: 860-674-8226  
Fx: 860-255-6433  
Email: handpo@us.trumpf.com  
Web: www.trumpf-powertools.com

**TRUMPF**



## The TRUMPF C 160-2 and C 160-2Plus Slitting Shears

Quite simply a cut above the rest. The unique tooling system of the TRUMPF Slitting Shears is designed for maximum user-friendliness: With the quick-release bolt, cutters can be exchanged quickly and safely in a matter of seconds.

Four long-wearing center cutters are available for optimum performance in various applications. The positions of the outside, two-sided fixed cutters can be reversed, doubling their tool life. The C 160 provides an excellent view of the workpiece for precision cutting along scribed lines, whether straight or curved. The C 160-2 PLUS with integrated chip clipper is ideal for making notches and internal cutouts.

Using the optional parallel stop, strips come out perfect. For stationary operation, TRUMPF also offers an optional work station.



For more information on the C 160-2 Slitting Shear, contact us at TRUMPF Inc., Power Tool Division, Farmington, CT, (860) 674-8226, or visit us on the web at [www.us.trumpf.com](http://www.us.trumpf.com).

### Typical areas of application

- Air duct construction (including spiral duct)
- Rain gutters
- Aviation industry
- Car-body works
- Metal studs
- Ventilation installation

**Technical Data**

Shear Excellence TRUMPF Slitting Shears			C 160-2			C 160-2 PLUS		
			Straight cutter	Radius cutter	Cr (HSS) cutter	Straight cutter	Radius cutter	Cr (HSS) cutter
<b>Maximum Sheet Thickness</b>								
Steel	57,000 tensile	in.	.063	.040	.063	.063	.040	.063
Steel	85,000 tensile	in.	.047	.032	.047	.047	.032	.047
Aluminum	35,000 tensile	in.	.078	.048	.078	.078	.048	.078
<b>Working speed</b>	ft./min.		19 - 30			19 - 30		
<b>Minimum start hole diameter</b>	in.		.60	.32	.60	.60	.32	.60
<b>Smallest radius</b>	in.		3.5	1.2 - 1.6	5.5	3.5	1.2 - 1.6	5.5
<b>Motor rating</b>	w.		350			350		
<b>Strokes at nominal load</b>	per min.		3800			3800		
<b>Weight</b>	lbs.		3.1			3.1		

Air consumption of the pneumatic C 160-3 and C 160-3 PLUS models is 13 cfm with 90 lbs. at gauge.

- Long-lasting tool life
- No tools needed to change out the center cutters
- Easy-to-replace cutter blades
- Variety of cutters available for optimum cutting
- Each fixed cutter blade has two cutting edges
- Shears can be easily extracted from the chip and restarted in a new position
- Distortion-free cutting – no refinishing necessary
- Also available in pneumatic and cordless versions



**TRUMPF**

TRUMPF, Inc.  
Portable Power Tools  
111 Hyde Road  
Farmington, CT 06032  
Phone: (860) 674-8226  
Fax: (860) 255-6433  
Email: handpo@us.trumpf.com  
www.us.trumpf.com

Your TRUMPF PPT Distributor:



## Innovative, Powerful and Fast The NEW TRUMPF C 250-0 PLUS Slitting Shear

TRUMPF introduces the NEW C 250-0 PLUS Slitting Shear – the fastest and most powerful shear in its class. An innovative gear technology, with a working speed up to 32 ft./min., delivers the power to cut sheet metal and profiles up to .098 in.

The C 250-0 PLUS with integrated chip clipper lends itself especially well to making notches and internal cutouts. The proven TRUMPF tooling system with cutting edges and adjustment-free cutters offers a competitionless long tool life.

For more information on the C 250-0 PLUS, contact us at TRUMPF Inc., Power Tool Division, Farmington, CT, (860) 674-8226, or visit us on the web at [www.us.trumpf.com](http://www.us.trumpf.com).








### Applications

- Air conditioning industry (spiral ducts)
- House-front construction (lengthways cuts in trapeze-and panel metal sheets, gutters)
- Dry walling (C-U-L profiles)
- Plumbing
- Coil-application
- Stainless steel

### Benefits

- Burr- and distortion-free cutting up to .098 in. sheet thickness
- Integrated chip clipper for inner cut-outs and notches
- Easy exchange of cutting blades in less than 15 seconds
- Handy and universal tool for straight, curved and profile cuttings

# Technical Data

<b>C 250-0 PLUS</b> Technical data		Center Cutter Type					
		 Large Straight Cutter	 Small Straight Cutter	 Curve Cutter	 HSS (Cr) Cutter	 Spiral Duct (SC) Cutter	
		p/n	1273341	1258006	1260101	1278387	1260102
<b>Maximum Sheet Thickness</b>		u/m	mild steel .063 - .098 aluminum .063 - .118	mild steel .020 - .063 aluminum .020 - .079	mild steel .020 - .063 aluminum .020 - .075	stainless steel (max. 85,000 tensile) .020 - .063	mild steel 4 x .035 stainless 4 x .024
Mild steel, 57,000 tensile	in. / ga.		.098	.059	.059	n/a	n/a
Stainless max. 85,000 tensile	in. / ga.		n/a	.040	.031	.098	n/a
Aluminum, 35,000 tensile	in.		.118	.079	.079	n/a	n/a
Spiral duct, 57,000 tensile	in.		n/a	n/a	n/a	n/a	4 x .035 6 x .024
Spiral duct, 85,000 tensile	in.		n/a	n/a	n/a	n/a	4 x .024
Smallest radius	in.		6.0	3.15	L 2.0 / R 3.15	4.75	6.0
Minimum start hole diameter	in.		1.20	1.00	1.00	1.00	1.20
Working speed	ft. / min.		10 - 32	10 - 32	10 - 32	10 - 32	10 - 32
Rated input power	W		500	500	500	500	500
Strokes at nominal load	per min.		2400	2400	2400	2400	2400
Weight without cable	lbs.		4.5	4.5	4.5	4.5	4.5



Accessories C 250-0 PLUS	Order No.
<b>Center Cutter Selection</b>	
Large straight cutter .063" - .098"	1273341
Small straight cutter .020" - .063"	1258006
Curve cutter .020" - .063"	1260101
Cr (HSS) cutter .020" - .063"	1278387
SC (spiral duct) cutter, max. 4 x .035" or 6 x .024"	1260102
<b>Other Wearing Parts</b>	
Fixed cutter set (2 blades w/screws)	1275275
Cutting plate (nose plate #51 on parts brkdwn)	1267770
Set of 2 carbon brushes	0138649

Your local distributor:



TRUMPF Inc.  
Power Tools Division  
Farmington Industrial Park  
Farmington, CT 06032

Phone: 860-674-8226  
Fax: 860-255-6433  
E-mail: handpo@us.trumpf.com  
Internet: <http://www.us.trumpf.com>



Portable  
Fastening  
Tools



*Fast, precise closing of standing seams*

## F 125-4 / F 125-3 Standing Seam Locker



-  Locks seams securely even into corners and angles
-  One-handed operation
-  Adjusts for a variety of material thicknesses
-  Simple, precise adjustment of working distance between hammer and anvil
-  Spring-loaded hammer protects the tool over uneven thicknesses and contours

The electric F 125-4 and pneumatic F 125-3 standing seam lockers close both simple and angular seams to a total material thickness of .147 in.

Featuring a fast 15-18 feet per minute working speed along with one-handed operation, the F 125 is a compact and durable tool for the professional working with standing seams.

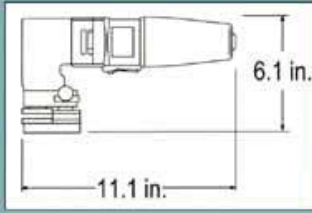
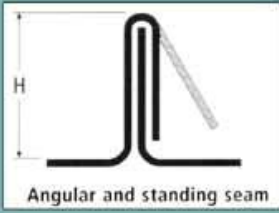
**TRUMPF**



Electric and pneumatic power tools



# Technical Data



F 125-4 / F 125-3	u/m	Technical Data
Maximum sheet thickness	in.	.147
Minimum sheet thickness	in.	.049
Maximum seam height	in.	1.5
Maximum material strength	tensile	57,000
Approx. working speed	ft. / min.	15 - 18
Strokes under nominal load	per min.	1800
Motor rating, F 125-4	Amps	4.3
Air consumption at 90 psi, F125-3	cfm	13
Weight, F 125-4	lbs.	5.5
Weight, F 125-3	lbs.	4.9



Original Accessories and Wearing Parts	Qty	Order No.
Upper Hammer	ea.	0102964
Lower Hammer	ea.	0105448
Plastic Buffer	ea.	0105449
Operators Manual	ea.	
Safety Instructions	ea.	

Plastic Buffer

p/n 0105449

Upper Hammer

p/n 0102964

Lower Hammer (Anvil)

p/n 0105446



Your local TRUMPF PPT Distributor:

**TRUMPF**

TRUMPF Inc.  
Power Tools Division  
Farmington Industrial Park  
Farmington, CT 06032

Phone: 860-674-8226  
Fax: 860-255-6433  
E-mail: handpo@us.trumpf.com  
Internet: <http://www.us.trumpf.com>

# F 140-4 Pittsburgh Seam Locker



- Fast, tight closing of Pittsburgh seams
- Continuous roller principle enables vibration-free locking
- Consistent, high seam quality for straight and curved applications
- Automatic feed- no additional force needs to be exerted
- Electronic speed controller

*recommended for locking galvanized duct from 16 to 18 gauge.*



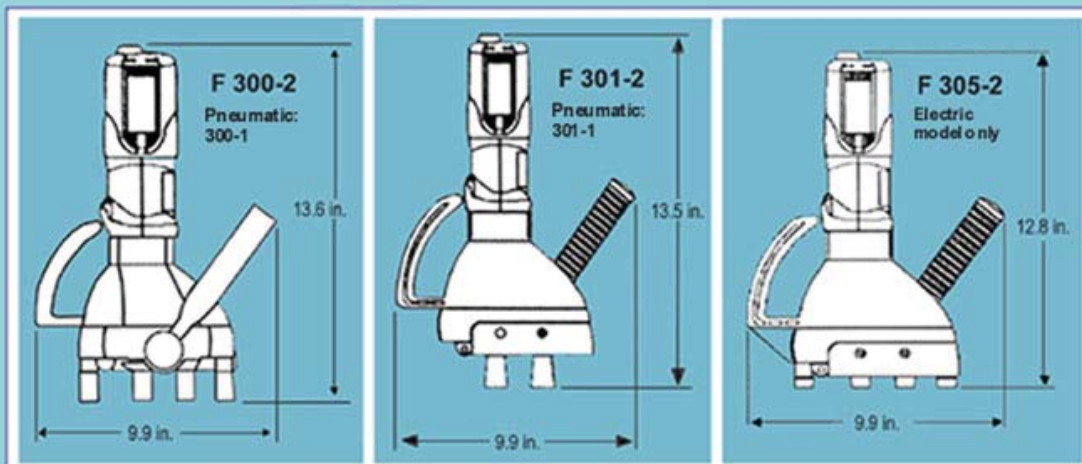
## F 140-4: Technical Data

### Max. Sheet Thickness

Mild steel, minimum	inch	.024
Mild steel, maximum	inch	.048
Seam height	inch	.394 - .590
Flange height	inch	.315 - .472
Working speed	ft/min	24 - 30
Smallest inner radius	inch	6.0
Smallest outside radius	inch	19.7
Motor rating	W	500
Weight (without cable)	lbs.	



# TRUMPF F 300 Series Pittsburgh Seam Lockers



TRUMPF Pittsburgh Seam Locker		F 300 series		
		F 300-2*	F 301-2*	F 305-2
Max. sheet thickness	ga. / in.	18 / .048	19 / .040	22 / .030
Min. sheet thickness	ga. / in.	22 / .030	26 / .018	26 / .018
Minimum seam height	in.	5/16	1/4	3/16
Smallest inner radius	in.	6.0	6.0	n/a
Smallest outer radius	in.	12.0	12.0	n/a
Automatic feed	Y / N	Yes	Yes	No
Working speed	ft. / min.	13 - 20	13 -- 20	13 - 20
Motor rating	W	500	500	500
Weight	lbs.	12.0	11.5	11.5
Protective insulation	Class	II	II	II

*\*also available in a pneumatic version*

*Fast...Clean...Quiet*

TRUMPF F 300 series seam lockers:  
the tools for HVAC professionals.

TRUMPF, Inc.  
Portable Power Tools  
111 Hyde Road  
Farmington, CT 06032  
Phone: (860) 674-8226  
Fax: (860) 255-6433  
E-mail: handpo@us.trumpf.com  
www.us.trumpf.com

**TRUMPF**



**TRUMPF**



18 to 22 gauge

*Fast...Clean...Quiet!*



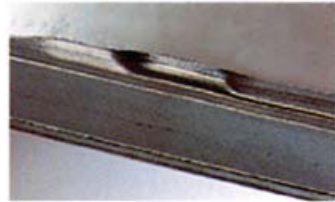
## TRUMPF Pittsburgh Seam Locker F 300-2 Electric / F 300-1 Pneumatic

In the HVAC industry time-consuming and noisy hammering operations are often needed to close prepared Pittsburgh seams.

With the TRUMPF F 300-2 (electric) and F 300-1 (pneumatic) Seam Lockers, these operations are fast, clean and quiet, with no presetting.

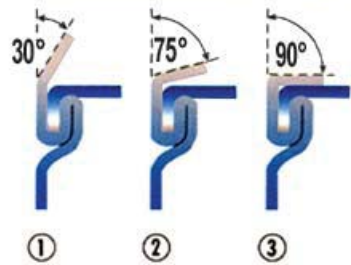
The F 300 easily locks onto the seam to be folded, then closes it in an automatic rolling operation. The automatic feed control of the machine guarantees tight, high-quality seams without damaging the surface of the duct. The upright profile is flanged over the mating port.

Quickly locking the seam in one operation, the F 300 reduces production time to a minimum.



A special bonus is the machine's on-site assembly capacity. Bulky unit assemblies can be transported in sections, then locked together in place.

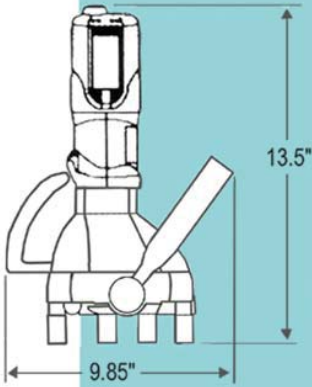
The TRUMPF F 300 Seam Locker: an investment that really pays.



Three steps of the seam closure are performed in one smooth pass of the F 300

# F 300-2 (Electric)

## F 300-1 (Pneumatic)



- Automatic feed produces a consistent, high-quality seam
- Minimal noise emission
- Easy to use, thanks to modern, ergonomic machine design
- No resetting needed when changing from straight to curved applications
- Automatically adjusts to the sheet thickness
- Also available in a pneumatic version



The F 300-1 Pneumatic Pittsburgh Seam Locker

TRUMPF Pittsburgh Seam Locker	F 300-2 (Electric)	F 300-1 (Pneumatic)
Maximum sheet thickness	ga. / in.	18 / .048
Minimum sheet thickness	ga. / in.	22 / .030
Minimum seam height (H)*	in.	5/16 - 3/8
Smallest inner radius	in.	6.0
Smallest outer radius	in.	12.0
Working speed	ft. / min.	13 -20
Motor rating	Amps/Watts	4.3
Air consumption (F 300-1)	cfm**	13
Weight	lbs.	12.0
Protective insulation	Class	II

\*largest possible seam height is recommended (3/8 in.)  
\*\*with 90 psi at gauge

Noise and Vibration	Measured value in accordance with EN 50144
A-weighted sound level	84 dB (A)
A-weighted noise level	85 dB (A)
Hand-arm vibration	2.5 m/s <sup>2</sup>



**F 300 or F 301?** Order the F 300 when:

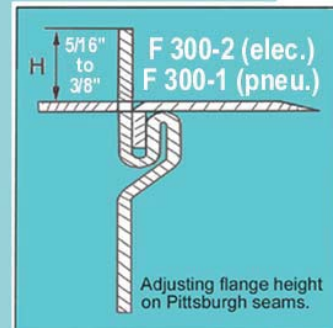
- You need to close 18 gauge duct
- You do not need 24-26 gauge duct

### Please Note!

The F 300 Seam Locker requires a bare minimum flange height (H) of 5/16 in.

In the smaller 22 gauge, performance is improved when the seam height approaches 3/8 in.

The flange height is usually a simple adjustment on your duct-forming equipment.



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Portable Power Tools  
111 Hyde Road  
Farmington, CT 06032  
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www.us.trumpf.com

**TRUMPF**



19 to 26 gauge



*Fast... Clean... Quiet!*



## TRUMPF Pittsburgh Seam Locker F 301-2 Electric / F 301-1 Pneumatic

In the HVAC industry time-consuming and noisy hammering operations are often needed to close prepared Pittsburgh seams.

With the TRUMPF F 301-2 (electric) and F301-1 (pneumatic) Seam Lockers, these operations are fast, clean and quiet, with no pre-setting.

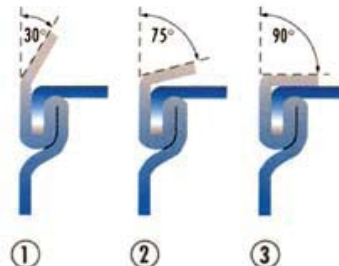
The F 301 easily locks on the seam to be folded, then closes it in an automatic rolling process. The automatic feed control of the machine guarantees tight, high-quality seams without damaging the surface of the duct. The upright profile is flanged over the mating port.

Quickly locking the seam in one operation, the F 301 reduces production time to a minimum.



A special bonus is the machine's on-site assembly capacity. Bulky unit assemblies can be transported in sections and locked together in place.

The TRUMPF F 301 Seam Locker: an investment that really pays.

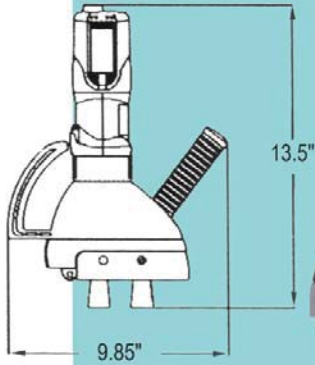


Three steps of the seam closure are performed in one smooth pass of the F 301

# F 301-2 (Electric)



## F 301-1 (Pneumatic)



- Automatic feed produces a consistent, high-quality seam
- Minimal noise emission
- Easy to use, thanks to modern, ergonomic machine design
- No resetting needed when changing from straight to curved applications
- Automatically adjusts to the sheet thickness
- Also available in a pneumatic version



### The F 301-1 Pneumatic Pittsburgh Seam Locker

TRUMPF Pittsburgh Seam Locker	F 301-2 (Electric)	F 301-1 (Pneumatic)
Maximum sheet thickness	ga. / in.	19 / .040
Minimum sheet thickness	ga. / in.	26 / .018
Minimum seam height (H)*	in.	.250 - .312
Smallest inner radius	in.	6.0
Smallest outer radius	in.	12.0
Working speed	ft. / min.	13 -20
Motor rating	Amps/Watts	4.3
Air consumption (F 301-1)	cfm**	13
Weight	lbs.	12.0
Protective insulation	Class	II

\*largest possible seam height is recommended (5/16")

\*\*with 90 psi at gauge

#### Noise and Vibration

Measured value in accordance with EN 50144

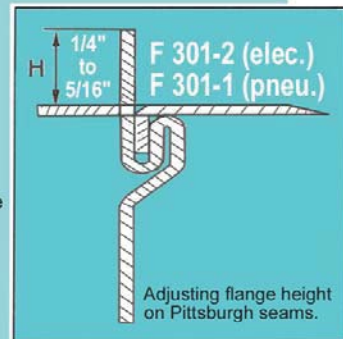
A-weighted sound level	84 dB (A)
A-weighted noise level	85 dB (A)
Hand-arm vibration	2.5 m/s <sup>2</sup>

#### Please Note!

The F 301 Seam Locker requires a bare minimum flange height of 1/4 in.

In the smaller 24 and 26 gauges, performance is improved when the flange height approaches 5/16 in.

The flange height is usually a simple adjustment on your duct-forming equipment.



#### TRUMPF, Inc.

Portable Power Tools  
111 Hyde Road  
Farmington, CT 06032  
Phone: (860) 674-8226  
Fax: (860) 255-6433  
E-mail: handpo@us.trumpf.com  
www.us.trumpf.com

# TRUMPF



*Fast... Clean... Quiet*



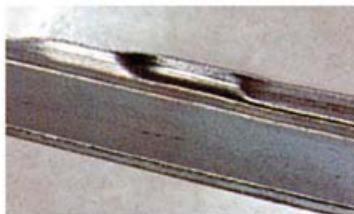
## TRUMPF Pittsburgh Seam Locker F 305-2

In the HVAC industry time-consuming and noisy hammering operations are often employed to close preformed Pittsburgh seams.

With the TRUMPF F 305-2 Seam Locker, these operations are clean and quiet with no pre-setting. Seam heights from 3/16" to 1/4" (the small Pittsburgh) on material thicknesses from 22 to 26 gauge can be processed.

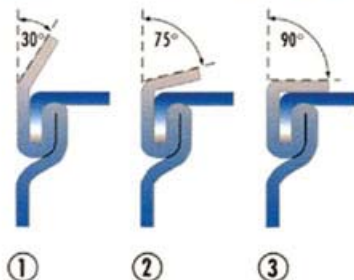
The F 305-2 easily locks onto the seam to be folded, then closes it in an automatic rolling process. The semi-automatic feed produces tight, high-quality seams without damaging the surface of the duct. The upright profile is flanged over the mating port, automatically adjusting for sheet thickness.

Quickly locking the seam in one operation, the F 305-2 reduces production time to a minimum.



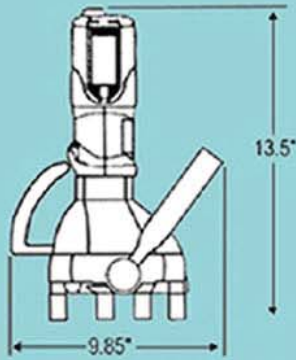
A special bonus is the machine's on-site assembly capability. Bulky unit assemblies can be transported in sections and locked together at the job-site.

The TRUMPF F 305-2 Seam Locker: it's an investment that really pays.



The three steps of the seam closure are performed in one smooth pass of the F 305-2

**F 305-2** Pittsburgh Seam Locker



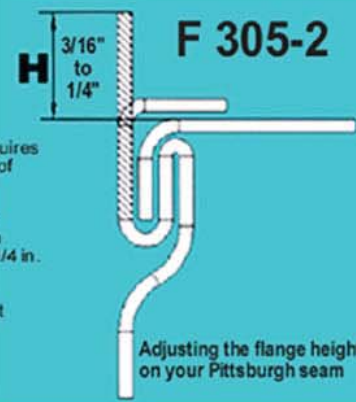
- Consistent, high quality seam is closed on flanges between 3/16" and 1/4"
- Minimal noise emission
- Easy to use, thanks to modern, ergonomic machine design
- Operates on straight sections only, unsuited for curved duct sections
- Automatically adjusts to the sheet thickness
- Perfect for closing "small Pittsburgh" seams

TRUMPF Pittsburgh Seam Locker		F 305-2
Maximum sheet thickness	ga. / in.	22 / .030
Minimum sheet thickness	ga. / in.	26 / .018
Minimum seam height (H)*	in.	3/16-1/4
Smallest inner radius	in.	n/a
Smallest outer radius	in.	n/a
Working speed	ft. / min.	13 -20
Motor rating	Amps/Watts	4.3/500
Weight	lbs.	12.0
Protective insulation	Class	II

\*largest possible seam height is recommended (.250 in.)

Noise and Vibration	Measured values, in accordance with EN 50144
A-weighted sound level	84 dB (A)
A-weighted noise level	85 dB (A)
Hand-arm vibration	2.5 m/s <sup>2</sup>

Wearing Parts & Accessories	Order No.	
	Original	Wearing Part
Guide rail		920881
Drive roller, 30°		145769
Drive roller, 75°		135478
Horizontal roller (X 2)		135791
4mm Allen key	067849	
Universal oil, 100ml	138648	
Suspension eyelet	107666	
Carrying case	982582	
Operating manual		
Safety instructions		



**Please Note!**

The F 305-2 Seam Locker requires a bare minimum flange height of 3/16 in.

In the smaller 24 & 26 gauges performance is improved when the flange height approaches 1/4 in.

The flange height is usually a simple adjustment on your duct forming equipment.

Adjusting the flange height on your Pittsburgh seam

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Farmington, CT 06032  
Phone: (860) 674-8226  
Fax: (860) 255-6433  
E-mail: handpo@us.trumpf.com  
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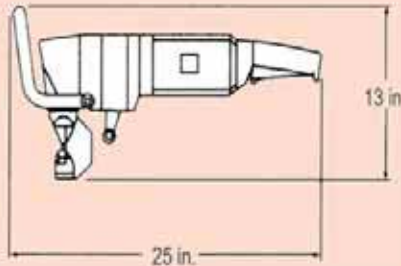
# Heavy metal? You can really rock with this nibbler...up to 3/8" mild steel!

- portable, powerful nibbler
- high cutting power with perfect cut quality
- cuts through welds and double sheets
- rotating tool system allows cutting in 4 directions
- clear view of the work area and along line of cut
- fast, safe cutting of any material that can be punched, including steel, stainless, non-ferrous metals and many plastics
- superior, emission-free operating principle
- 2-way adjustable handle provides optimal handling
- multi-regrindable punches are easy to change
- long tool life
- ability to cut along a scribed line or with template
- 2-speed motor allows slow cutting speed for high-tensile or corroded materials.

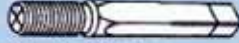
## N 1000-0 Electric Nibbler




## N 1000-1 Pneumatic Nibbler





### N 1000-0 / N 1000-1 Wearing Parts


 Standard Punch 112900

 HSS Punch 120244

 Material to .197" 130651

 from .197" to .276" 112899

 from .276" to .394" 112898

 for bends up to 90° & aluminum 112897

Punch guide 112901

Wear plate 112922

### N 1000-0 / N 1000-1 Accessories

Chip bag 115215

Carry/storage case 121585

TRUMPF Portable Nibbler		Model	
		115 v. 50/60 Hz	
		Pneumatic	N1000-0
			N1000-1
Max. sheet thickness	U / M	 1st gear	 2nd gear
Steel 57,000 tensile	in.	.375	.312
Steel 85,000 tensile	in.	.276	.196
S/S 114,000 tensile	in.	.196	.157
Alum. 35,000 tensile	in.	.500	.375
Working Speed	ft./min	3.25	5.25
Start Hole Diameter	in.	3.0	
Smallest Radius	in.	16.0	
Motor Rating, Elec.	W.	2000	
Motor Rating, Air	cfm	100 (w/90 lbs.@gauge)	
Strokes @ nominal load	per min.	230	370
Weight	lbs.	32.0	
Cord Type, Elec.		14 ga. double insulated	



## N 1000-0 / -1 Nibbler from TRUMPF

At 32 lbs. TRUMPF's N1000 nibbler is unique in both capacity and weight. Available in electric (N1000-0) and pneumatic (N1000-1) models, it is also unique in its standard 2-speed motor. Operating at a slower speed increases cutting quality and extends tooling life when cutting thicker (1/4" to 3/8") or high tensile (such as stainless steel) materials.

Incorporating TRUMPF's proven development technology, the N1000 nibbler offers many operating advantages. The gearhead rotates to permit cutting in any of 4 directions. The handle position can be adjusted for comfort in any application.

A special profile die permits use over uneven and corrugated surfaces, with the ability to cut around bends of up to 90 degrees.

A high tensile punch is available for stainless steel or other high tensile applications.

The N1000 is the ideal tool for demolition and recovery operations, dismantling and removal of storage tanks, and for heavy construction projects.

The N1000 is now being used in a number of robotic applications, especially in dismantling and reclamation at nuclear facilities, where the tool is operated and serviced remotely on a robotic arm.

The N1000 nibbler will cut any material that is capable of being punched, up to a maximum thickness of .394".



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Farmington, CT 06032  
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## TRUMPF Nibblers

The TRUMPF N160-E Nibbler is designed for quick, easy cutting of both flat and corrugated sheet up to a maximum material thickness of .060" (16 gauge).

Safe, dependable and user-friendly, the N160-E offers an optimum blend of price and performance.

Comfortable handling combined with extreme maneuverability make this the ideal cutting tool for any sheetmetal application.

Typical applications include:

- roofing and siding
- recesses and fitting work
- gutter installations
- facings and covers
- car body work
- coil cut-off

Durable, industrial-grade construction but easy to hold and light in weight. The N160-E is the clear choice of professional roof and siding installers.



# N 160-E

## Corrugated Roofing & Siding



### Features

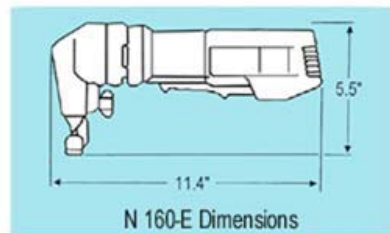
- high cutting capacity with perfect, burr-free cutting quality
- long tool life on punches and dies
- no extra tools needed to exchange wearing parts
- rotating tool system allows cutting in 3 directions

#### N 160-E standard with new tool

Punch 117676  
Standard Die 141714  
(for material from .040" to .063")  
Operator's manual

#### N 160-E optional tooling\*

Die for mat. Up to .040" 931'611  
\*will be installed in new tool upon request at no charge



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**N 160-E Nibbler**

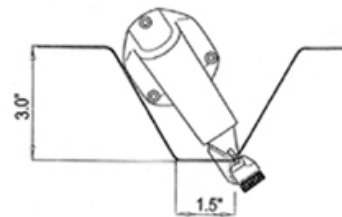
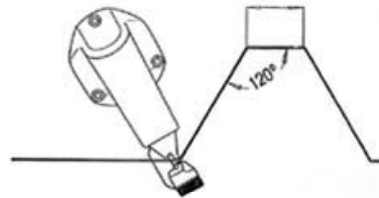
for flat & corrugated sheet

TRUMPF Nibbler N 160-E 115 v. 50/60 Hz		
<b>Maximum sheet thickness</b>	U/M	
Mild steel	(ga.) in.	(16) .063
Stainless steel	(ga.) in.	(19) .040
Aluminum	(ga.) in.	.075
<b>Approx. working speed</b>	ft. / min.	5
<b>Width of cut</b>	in.	3/16
<b>Smallest radius</b>	in.	1.5
<b>Smallest starting hole</b>	in.	.875
<b>Strokes at nominal load</b>	per min.	1600
<b>Motor capacity</b>	Amps	3.1
<b>Weight without cord</b>	lbs.	3.75



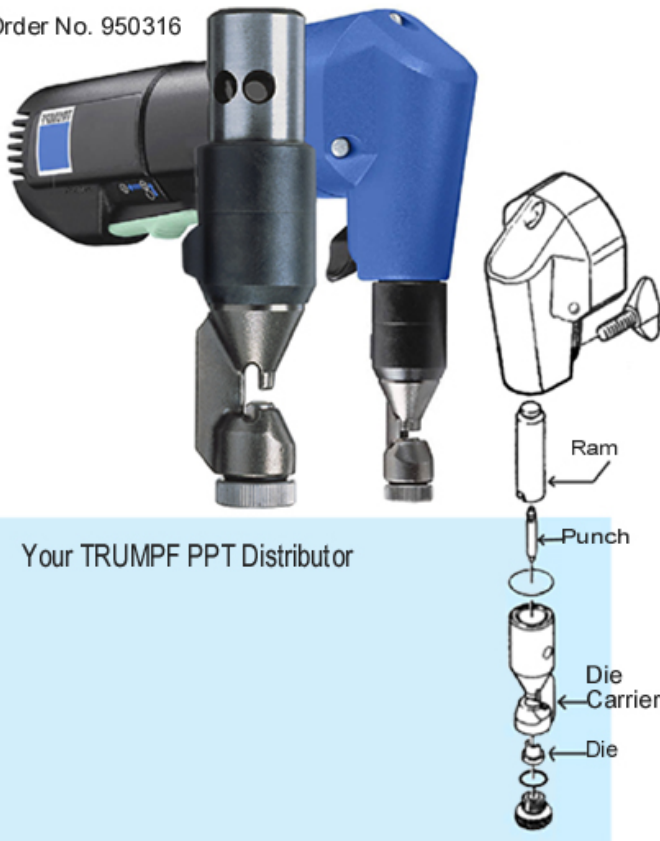
**Cutting Corrugated Sheet**

- Maximum interior angle: 60°
- Minimum interior flat: 1.5 in.
- Maximum gutter depth: 3.0 in.



Deep Corrugation?  
The N160-E Extension Set increase  
the cutting reach by 1-1/2 inches.

Order No. 950316



Your TRUMPF PPT Distributor

<b>Standard tooling installed</b>	<b>N 160-E</b>
Punch 117676, Standard Die for material .040" to .063"	
Operating instructions	
<b>Wearing Parts</b>	<b>Order No.</b>
Punch	117676
Die for material .040" (19 ga.) to .063" (16 Ga.)	141714
Die for material up to .040"	931611
Ram	141715
Set, (2) 117676, (1) 141714	141723
Carbon brush, Set of 2	122589
<b>Optional</b>	
Die Carrier Extension	950316



**Rugged...Versatile...Precise**

## **TRUMPF N 200-4 Electric Nibbler** **TRUMPF N 200-5 Pneumatic Nibbler**



- Flexible** 72 adjustable positions for changing cutting direction
- Convenient** compact ergonomic design, punch changes in seconds, no adjustments necessary
- Adaptable** special die for bends, corrugation and seams. Light weight for easy maneuverability
- Economical** heavy duty motor and long-life punch and die provide fast, durable operation
- Precise** circular punch provides excellent cutting quality and burr-free edges

Here's the ideal portable tool for cutting mild steel up to 14 gauge, stainless steel up to 19 gauge or aluminum up to .100 inch. The N 200-4 can also cut many plastics and non-ferrous metals.

The multi-regrindable round punch permits burr-free, deformation-free cutting quality, while punch and die replacement is simple and quick.

With trouble-free cutting of tight radii, the N 200-4 nibbler is perfect for interior cutouts and notching. Cutting along a scribed line or from a template is simplified, while the optional die for corrugated materials offers even greater versatility.

**TRUMPF**



Electric and pneumatic power tools



# Technical Data

## Electric



**N 200-4**

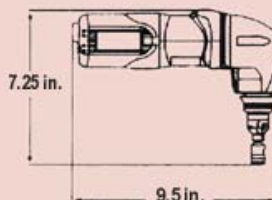
120 v. 50 / 60 Hz

## Pneumatic



**N 200-5**

13 cfm @ 90 psi



## Technical data

### TRUMPF Nibbler N 200-4 (elec) N 200-5 (pneu)

	u/m	spec.
<b>Maximum sheet thickness</b>		
Steel, 57,000 tensile	ga. / in.	14 / .079
Steel, 85,000 tensile	ga. / in.	16 / .063
S/S, 114,000 tensile	ga. / in.	19 / .040
Aluminum, 35,000 tensile	in.	0.1
<b>Working speed</b>	ft. / min.	3.5 - 4.5
<b>Smallest radius</b>	in.	.16
<b>Smallest template radius</b>	in.	2.6
<b>Minimum start hole diameter</b>	in.	.630
<b>Kerf (cutting track width)</b>	in.	.320
<b>Power consumption</b>	w.	500
<b>Strokes @ no load</b>	per min.	2000
<b>Air consumption (N 200-5)*</b>	cfm	13
<b>Weight (without cord)</b>	lbs.	4.9
<b>Double insulation</b>	Type	Class II

\* cfm with 90 psi @ gauge

### Wearing Parts & Accessories N 200-4 / -5

Accessories included	Order no.
Standard tool set (punch and die) installed	
Tube, lubricating grease "G1"	344969
Carry / storage case	345243
Operators manual	
Safety instructions	

### Wearing parts

Punch	944506
Standard die	980335
Die for corrugated sheet	088495
Part set: (2-944506, 1-088508, 1-Pin 966729, 1-Cover ring 966453)	961961

### Optional

Chip bag	088622
Punch & nibbling oil for steel	5 liter 103387
Punch & nibbling oil for aluminum	1 liter 125874

## Applications

- Cutting plate of any punch-able material
- Includes mild steel, stainless, aluminum, non-ferrous metals and many plastics
- Cut-off tool for coil stock
- Nibbling from scribed lines or templates
- Straight or curved inside cutouts

Your TRUMPF PPT Distributor:

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TRUMPF  
Portable  
Cutting  
Tools



*Unsurpassed  
maneuverability  
in a 10-gauge  
nibbler*

## **N 350-4 Electric Nibbler** **N 350-3 Pneumatic Nibbler**



- Perfect nibbling for straight or curved cutouts.
- Multi-directional cutting for hard-to-reach jobs
- Variable speed motor offers control of cut quality and extended punch life
- Spring loaded lock permits punch change in just seconds
- High tensile tooling for stainless applications

With its patented hollow round punches, the TRUMPF N350-4 (and N 350-3) nibblers offer 360° maneuverability. Any punch-able materials can be processed, including stainless steel, aluminum, other non-ferrous metals and many plastics.

These durable, multi-regrindable punches make the N350 the perfect tool for straight or curved inside cutouts, notching, or cutting along a scribed line or template.

**TRUMPF**



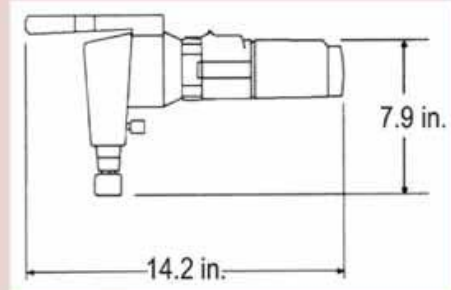
Electric and pneumatic power tools

# Technical Data





## N 350-4 electric



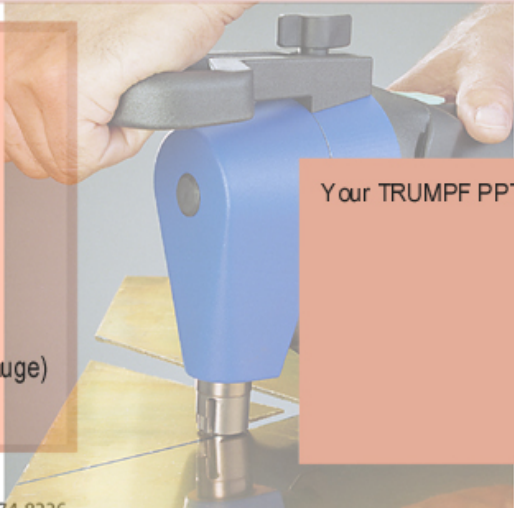
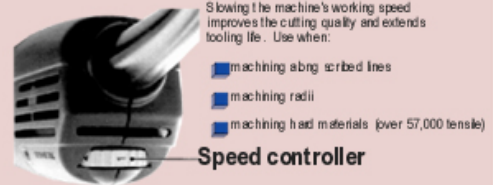
## N 350-3 pneumatic



### N 350 Tooling

Material	Mild Steel	Chrome Steel
Type of Punch	Standard	High-Tensile
Order No.	093538	103545
Distinctive Punch Features		
Type of Die	Standard	Chrome Steel
Order No.	093536	103546
Distinctive Die Features		

N 350-4 / N 350-3 Nibbler	u/m	N 350-4 Electric	N 350-3 Pneumatic
<b>Material thickness</b>			
Mild steel up to 57,000 tensile	ga. / in.	10 / .135	
Steel to 85,000 tensile	ga. / in.	13 / .090	
Stainless steel to 114,000 tensile	ga. / in.	15 / .070	
Aluminum, 35,000 tensile	in.	0.135	
<b>Approx. working speed</b>	ft. / min.	<b>4.0</b>	<b>4.6</b>
<b>Smallest radius</b>	in.	<b>.280</b>	
<b>Smallest starting hole</b>	in.	<b>1.25</b>	
<b>Strokes @ nominal load</b>	per min.	<b>635</b>	<b>530</b>
<b>Rated input power</b>	W	<b>1400</b>	
<b>Required air volume @ 90 psi</b>	cfm		<b>54</b>
<b>Weight</b>		<b>4.8</b>	<b>10.6</b>



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# The N 500-6 Nibbler- for more than just flat sheets!

- Improved cut quality on bended or corrugated materials- as well as flat sheet
- For steel up to 3/16" thick, aluminum to 1/4", or stainless steel to 1/8"
- Easily cuts welded seams and double sheets...at any angle
- A new, more powerful motor- built-in regulator lets operator adjust speed to any application
- New simplified system eliminates special tooling for stainless applications
- Minimal scoring of die on underside of sheet
- Fast tool-free change of punch & die- with longer tool life
- Quick, tool-free change of cutting direction
- Improved visibility of the working area and cutting line
- Perfect ergonomic handling... also mounts for stationary use
- Noticeably less cutting burr and longer tool life- even on stainless steel



TRUMPF Portable Nibbler	Machine Specifications	N 500-6 (Electric) N 500-5 (Pneumatic)
<b>Max. Sheet Thickness</b>		
Steel 57,000 tensile	ga. (in.)	6 (.194)
Steel 85,000 tensile	ga. (in.)	10 (.135)
Steel 114,000 tensile	ga. (in.)	12 (.105)
Aluminum 35,000 tensile	in.	.276
<b>Approx. working speed</b>	ft. / min.	<b>4.5</b>
<b>Smallest radius</b>	in.	<b>3.12</b>
<b>Smallest starting hole</b>	in.	<b>1.25</b>
<b>No. strokes under full load</b>	per min.	<b>600</b>
<b>Nominal power consumption</b>	Watts, 120 V.	<b>1400</b>
<b>Air requirements (N 500-5)</b>	cfm*	<b>54</b>
<b>Weight</b>	lbs.	<b>8.5</b>

\* with 90 psi at gauge



# N 500-6 (Electric)

## N 500-5 (Pneumatic)





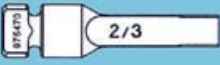



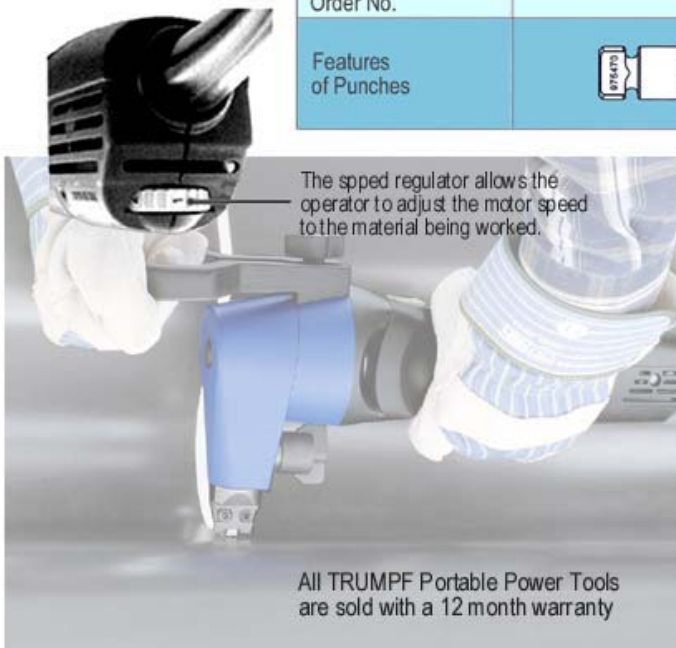
The TRUMPF N 500 nibbler is the perfect tool for cutting steel, stainless steel, aluminum, and assorted metals and plastics. Applications include metal processing of all types, construction, container fabrication, recycling processes, demolition and dismantling of storage tanks. The N 500 has been adapted for remote operation with robotic manipulators in the deactivation and dismantling of spent fuel reprocessing plants in the U.S. and Europe.

Air requirement for the pneumatic version, the N 500-5, is 54 cfm with 90 psi at gauge.

The N500-6's new powerful, 1400 watt, high-performance motor is protected by an electronic overload guard to ensure long life of the machine and tooling.

It's the only nibbler in its performance class that can nibble corrugated profiles and bends up to ninety degrees.

Type of Material	Material Thickness (ga.) in.			
Flat single rolled sheet	(19) .039 - (14) .079	(14) .079 - (11) .126	(12) .118 - (6) .197	.197 - .276
Sectional sheet (corrugation or bends up to 90°)	> (19) .039	(19) .039 - (14) .079	(14) .079 - (11) .118	(11) .118 - (6) .197
<b>Die type</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>P5</b>
Order No.	975468	975466	975464	975462
Features of Dies				
<b>Punch type</b>	<b>2/3</b>		<b>5/P5</b>	
Order No.				
Features of Punches				



The speed regulator allows the operator to adjust the motor speed to the material being worked.

All TRUMPF Portable Power Tools are sold with a 12 month warranty

INCLUDED ACCESSORIES	
Description	Order No.
Tool set, installed	975586
Punch Guide, installed	975460
Handle, complete	974659
Alan Key, 4mm	067849
"G1" Lubricating Grease, 25 gr. tube	344969
Carry / Storage Case	982540
Operator Manual	
Safety Instructions	

OPTIONAL	
Description	Order No.
Chip bag	103557
Part Set (1-Die 975464, 1-Punch 975469)	975586
Profile Parts Set (1-Die 975462, 1-Punch 975469)	975585
Punch & Nibbling Oil for steel, 5 liter	103387
Punch & Nibbling Oil for aluminum, 1.0 liter	125874
Suspension eyelet	097206

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## The Lightest in its Class The TRUMPF N700-2 Nibbler

The TRUMPF Nibbler N700-2 is an absolute lightweight in the heavy-duty class. A complete new planetary gear contributes to the compact design, while the new 1,500 watt motor provides plenty of power.

Designed with ergonomics in mind, the N 700-2 comes standard with two different handles that can be quickly exchanged. This allows for comfortable weight distribution when working in horizontal or vertical positions, or in cramped work areas.



Punch changes are simple, requiring no tools. Just as easy is the adjustment of the gear head for cutting in 4 directions.

For more information on the N700-2 Nibbler, contact us at TRUMPF Inc., Power Tool Division, Farmington, CT, (860) 674-8226, or visit us on the web at [www.us.trumpf.com](http://www.us.trumpf.com).

### Applications

- Tank and container construction
- Dismantling nuclear power facilities
- Plumbing
- Sheet metal fabrication
- Coil applications
- Elevator manufacturing
- Commercial vehicle and ship construction
- Building maintenance
- Underground wiring repair

**TRUMPF**



# Technical Data






N700-2		110 V 50 - 60Hz	
<b>Maximum sheet thickness</b>			
Mild Steel	57,000 tensile	in.	.276
Stainless	85,000 tensile	in.	.197
Stainless	114,000 tensile	in.	.138
Aluminum	35,000 tensile	in.	.394
<b>Est. Working speed</b>		ft./min.	4.3
<b>Smallest radius</b>		in.	5.5
<b>Minimum start hole diameter</b>		in.	2.4
<b>Motor rating</b>	Amps		17.4
<b>Rated input power</b>	W		1500
<b>Strokes at nominal load</b>			260
<b>Weight without cable</b>	lbs.		18.3

Accessories	Order No.
<b>Included with machine</b>	
Standard punch (installed)	104589
Die 7 (installed)	0098722
Bow handle	1279590
Compact handle	1279618
Allen wrench	0067857
Tube "G1" lubricant	0344969
Carrying case	1279611
Operator's manual	
<b>Wearing parts</b>	
Standard punch	0104589
HSS Punch (Cr)	0104590
Die 5, sheet to .197"	0098723
Die 7, sheet .197" - .276"	0112898
Die P7, 90° bends & alum.	0112897
Wear plate	0112922
Punch guide	1274571
Carbon brush, 120 V	0360183
<b>Accessories</b>	
Chip bag	0109275
Punch & nibbling oil, steel	0103387 500 ml
Punch & nibbling oil, alum.	0125874 1-liter

- Fast, effortless cutting of sheet metal up to .276"
- World's smallest and lightest Nibbler in the heavy-duty class
- Two different, easy-to-adjust handles included for ideal weight distribution in any application
- The rotary motor handle adjusts to 3 positions to provide better clearance and improved mobility
- Outstanding performance on profiles up to 90°



## N 700-2 tooling selection

<p><b>Punch 104589</b> Mild Steel up to .276 in. Aluminum up to .394 in.</p> 	<p><b>Punch 104590</b> Stainless Steel up to .197 in. Use with #5 Die only</p> 	 <p><b>Die 7: 098722</b> .197 in. to .276 in.</p>	 <p><b>Die 5: 098723</b> .118 in. to .197 in.</p>	 <p><b>Die 7: 098721</b> .197 in. to .276 in. Profiles up to 90° Aluminum to .394 in.</p>
--	--	--	--	--

Punches are grindable

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**TRUMPF**  
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Tools

*Power, Precision and Portability  
for the Work Site*

## **PN 200-4 Electric Profile Nibbler**

### **PN 200-5 Pneumatic Profile Nibbler**



-  Rotating die carrier is instantly adjustable to 72 cutting directions.
-  Cuts U-shaped steel profiles up to 14 gauge, as well as flat and corrugated sheets.
-  Die carrier extension permits cutting of corrugated profiles up to a 6-3/4 in. beading depth.
-  Punches and dies are made with traditional TRUMPF quality, providing exceptional durability.
-  Round punch and die are available for exceptionally clean finish.

The PN 200 Profile Nibbler is a truly multi-functional portable power tool with the ability to cut flat or corrugated sheet... even metal studs... up to a total thickness of .075 in. mild steel.

The cutting head is adjustable to 72 positions in 5° increments to allow for optimal cutting even in hard to reach places. For the exceptionally clean edges required in decorative or ornamental work, a special round punch and die are available.




The extended die carrier of the PN 161-4 is interchangeable with the standard die carrier, adapting the tool for work with deep corrugation.

A cordless version of the PN 200 Profile Nibbler provides the flexibility required when a power source is not readily available.

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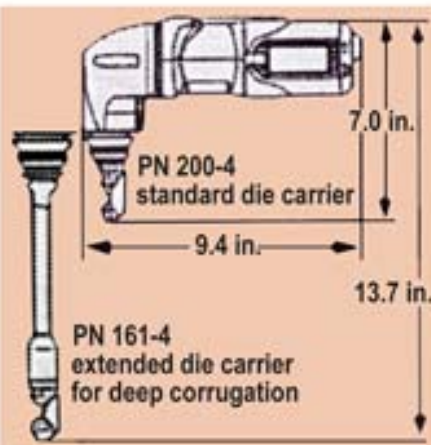
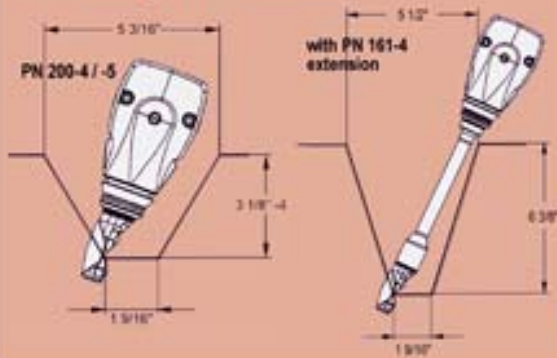
## Technical Data

PN 200-4 / -5 Tooling	Standard tool	Round tool
		for machining corrugated materials, bends up to 90 degrees
Identification		Yellow-coated
Punch		
	Standard Punch Order 945691	
	Round Punch Order 945696	
	Round Set with punch, punch guide, die Order 961960	
Punch guide		
	Standard Punch Guide Order 945697	
Dies		
	Standard Die Order 946711	
	Round Die Order 956443	



PN 200-4, -5 and Cordless	u/m	Values with std punch	Values with round punch
Material thickness			
Mild steel up to 57,000 tensile	ga. / in.	14 / .079	16 / .063
Steel to 85,000 tensile	ga. / in.	16 / .063	n/a
Stainless steel to 114,000 tensile	ga. / in.	19 / .040	n/a
Aluminum, 35,000 tensile	in.	.126	.079
Approx. working speed	ft. / min.	6.5	
Smallest radius	in.	2.0	
Smallest starting hole	in.	.94	
Width of cutting track (kerf)	in.	.20	
Nominal power consumption	W	500	
PN 200-5 air consumption	cfm	13 (@ 90 psi)	
PN 200-4 Cordless	Battery	12 v. / 2.0 Ah	
Strokes @ no load	per min.	2040	
Weight, PN 200-4	lbs.	5.1	
Weight with PN 161-4 extension	lbs.	5.1	
Protective insulation		Class II	

### Cutting corrugated sheet with the profile nibbler



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## S 114-0 / S 114-0 Cordless Trimming Shears



- Precise, easy trimming of tubes that are placed close to wall or ceiling
- Minimum tube diameter of 2.0 in.
- Each cutter has two cutting edges
- Top and bottom cutters are interchangeable...double the cutter life
- Clean cutting quality, even across spiral duct seams
- Machine is compact and highly maneuverable

For trimming duct or tube projections in confined spaces, or where there is minimal clearance, the new S114-0 and S 114-0 Cordless Trimming Shears offer a solution.

This lightweight, highly maneuverable shear cuts materials up to 16 gauge (.063 in.). Trimming can be parallel to, and nearly flush with, the surface from which the tube is projecting. Minimum diameter for round tube is 2.0 in.

Up to now this sort of cutting had to be done with simple hand shears, requiring a lot of work and greater clearances, with poor cutting quality.

Cutter life for these S 114 models can be doubled by simply reversing and swapping the positions of the upper and lower cutters when their first edges become dull.

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Electric and pneumatic power tools



**S 114-0 and  
S 114-0 Cordless  
Trimming Shears**



		Electric	Cordless
steel, 57,000 tensile	in.	.059	.059
steel, 85,000 tensile	in.	.039	.039
alum, 35,000 tensile	in.	.075	.075
spiral duct to 57,000 tensile	in.	4 X .030	4 X .030
spiral duct to 85,000 tensile	in.	4 X .020	4 X .020
<b>Operating speed</b>	ft. / min.	<b>3.5 - 6.5</b>	<b>3.5 - 6.5</b>
Smallest radius	in.	2.36	2.36
<b>Minimum tube diameter</b>	in.	<b>2.0</b>	<b>2.0</b>
Maximum throat depth	in.	1.18	1.18
<b>Voltage</b>	v.	<b>120</b>	<b>12</b>
Stroke rate @ idle	per min.	6600	3700
<b>Weight</b>	lbs.	<b>4.2</b>	<b>5.3</b>



Accessing the projecting duct



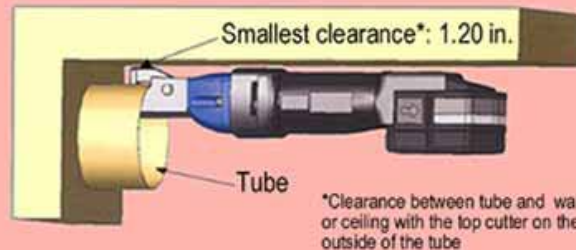
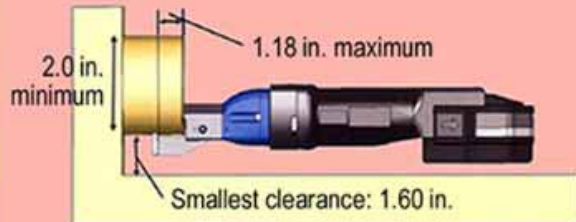
Trimming the duct

**Parts & accessories  
included with new tool**

S 114-0 / S 114-0 Cordless	Order No.
Upper & Lower Cutter (set of 2)	installed
Torx TX210 screwdriver	0359907
Carrying case	0345243
Operators manual	
S 114-0 Cordless	
2- 12v. rechargeable batteries	0133863
Battery charger, 36 min.	0133865

**Wearing parts  
& accessories**

S 114-0 / S 114-0 Cordless	Order No.
Cutter, set of 2	1376494
S 114-0	
Carbon brush, set of 2	0144861
S 114-0 Cordless	
Battery, replacement	0133863



A carry / storage case  
is supplied with the  
S 114-0 and  
S 114-0 Cordless



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## TRUMPF Shears S 160-6 The smallest in its class!

Compact and maneuverable, with a small but powerful motor, the TRUMPF S 160-6 shears is an outstanding tool in its class.

It is suitable for cutting steel, stainless steel, and non-ferrous metals as well as other materials such as plastics and PVC.

The fixed blade carrier, made from high tensile steel, along with the exact positioning of the cutters make this durable tool easy to use, with excellent edge finish on straight or curved cutting lines.

Rotation or changing of the four-edged cutters is easy. The top and bottom cutters for the S 160-6 are identical.

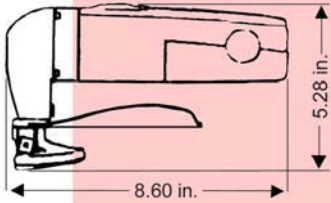
Apart from the standard cutters for mild steel, TRUMPF offers specially manufactured chrome cutters for high tensile materials.

Typical applications for the S 160-6 include trimming of cover plates, notching, and cutting parts to size.

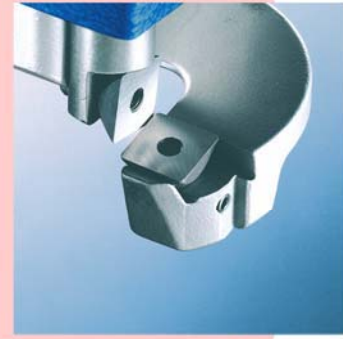
TRUMPF Shears S 160-6: a new milestone in TRUMPF's industry-leading product line of portable power tools.

### Areas of application:

- Ventilation/Plumbing
- Elevator construction
- Shop installations
- Repair shops
- Recycling
- Locksmiths



- Well designed fixed blade carrier ensures easy, effortless handling
- Very maneuverable- the compact design minimizes interference when cutting on contours
- Durability of both machine and cutting tools reduces operating expense
- Four-edge cutters for mild or stainless steel



**TRUMPF Shears**

**S 160-6**

**Max. sheet thickness**

Steel 57000 tensile	ga. / in.	16 / .063
Steel 85000 tensile	ga. / in.	18 / .048
Stainless steel, 14000 tensile	ga. / in.	19 / .040
Aluminum, 35000 tensile	in.	.075
<b>Working speed</b>	ft. / min.	<b>24 - 30</b>
<b>Smallest radius</b>	in.	<b>1.1</b>
<b>Motor rating</b>	W	<b>350</b>
<b>Strokes at nominal load (.063")</b>	strokes/min.	<b>6400</b>
<b>Weight</b>	lbs.	<b>4.0</b>
<b>Protective insulation</b>	Class	<b>II</b>

**Standard equipment with new tool**

Order No.

2 four-edged cutters, installed	126471
2mm Allen wrench	002946
3mm Allen wrench	094840
Carry / storage case	135280
Operators manual and Safety instructions	

**Wearing parts**

Four-edged cutter, mild steel	044502
Four-edged cutter, stainless steel	144155
Parts set for mild steel (2 x 144502 with screws)	126471
Parts set for stainless steel (2 x 144155 with screws)	919760

Subject to technical change

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**Optimum  
price / performance  
ratio in a  
16 gauge shears**

## **S 160-E Shears**



- Simple to operate: clearance is pre-set for all thicknesses
- Easy to hold: small tool circumference offers a high degree of control
- Four sided cutters are easy to rotate or change out
- Excellent price / performance ratio

**The S 160-E shear is the ideal tool for cutting thinner sheets...up to a maximum of 16 gauge steel. The 4-sided, interchangeable cutters are rotated to ensure optimal performance and maximum tooling life.**

**Clearance is preset for all material thicknesses in the S160-E range.**

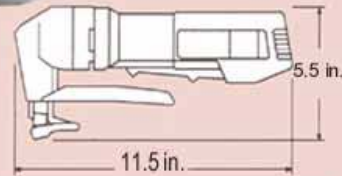
**TRUMPF**



Electric and pneumatic power tools



## Technical Data



### TRUMPF Shears u/m S 160-E

#### Maximum Sheet Thickness

Mild Steel, 57,000 tensile	ga. / in.	16 / .063
Steel, 85,000 tensile	ga. / in.	19 / .040
Stainless Steel, 114,000 tensile	ga. / in.	23 / .028
Aluminum	in.	.075

**Approx. Working Speed** ft. / min. **6 - 20**

**Smallest Radius** in. **.787**

**Smallest Starting Hole** in. **.905**

**Strokes @ Nominal Load** per min. **1600**

**Motor Capacity** Amps **3.15**

**Weight** lbs. **4.0**

**Protective Double Insulation** Class **II**



TRUMPF  
patented  
4-sided  
rotatable cutters

Mild steel cutters: order 126471

Cr Steel cutters: order 919760

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# It's back!

## S 214-3, S 214-4 Trimming Shears

Particularly suitable for trimming off the tabs that are attached in production for the painting, transporting and storage of the workpiece, the S 214 shear is the perfect trimming tool for automotive stamping and assembly.

Capable of trimming up to 14 gauge (.084 in.) sheet up to a width of 2.95 in., the S 214 offers an excellent view of the cutting line and easy guidance over narrow or radius edges.

At 5.5 lbs. (6.4 lbs. for the electric model), the S 214 is easy to handle in all kinds of trimming applications.



- Precise, burr-free trimming/shearing of flanged sheets and deep-drawn parts up to 14 ga. thick
- Trims a minimum width of 1/4 1/2 inches, to a maximum width of 2.95 in.
- Trims straight or radius edges, with an excellent view of the cutting line
- Easy change and adjustment of the long-lived regrindable cutters
- The perfect trimming tool for the auto manufacturing and stamping industries

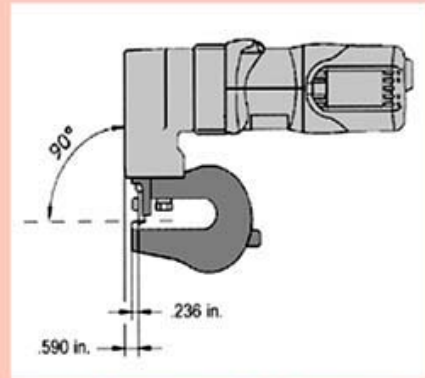
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Electric and pneumatic power tools



# TRUMPF S 214-3 / -4 Shears

S 214 Trimming Shear		Electric model	Pneumatic model
Technical data	u / m	S 214-4	S 214-3
Material thickness			
Steel, 57,000 tensile	ga. / in.	14 / .079	14 / .079
Steel, 85,000 tensile	ga. / in.	16 / .063	16 / .063
Steel, 114,000 tensile	ga. / in.	17 / .055	17 / .055
Aluminum, 35,000 tensile	in.	12 / .098	12 / .098
Working speed	ft. per min.	16 - 23	16 - 23
Smallest inside radius	in.	.787	.787
Maximum throat depth	in.	3.0	3.0
Rated input	W	500	~
Strokes @ nominal load	per min.	1820	1500
Required air volume @ 90psi	cfm	~	13
Hose connector	in.	~	3/8
Weight without cable	lbs.	6.4	5.5



The S 214 shear is operated at an angle of 90° to the sheet surface. The distance from the cut edge to the front of the tool is .590 in. With many applications the distance can be reduced to .236 in.

Wearing Parts & Accessories		Part No.
Included with new tool		
Moving cutter blade*		0003860
Fixed cutter blade*		0003871
Grinding gauge		0039380
Locking pin, 2.5mm		0023172
Locking pin, 4.0mm		0023182
Allen wrench		0067849
Carbon brush, set of 2		0358020
Carry/storage case		0971396
Operators manual & safety instructions		

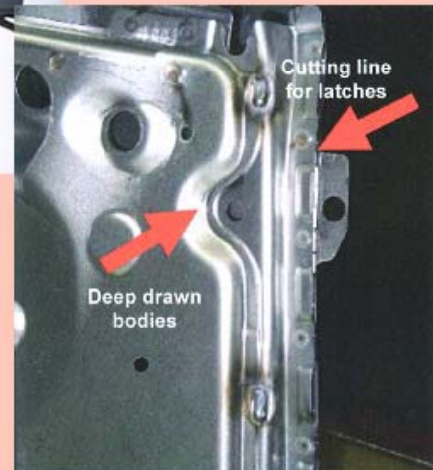
\* Cutters for right-hand operation are installed if not specified

Cutter replacement		Part No.
for right hand operation:		
Moving cutter blade		0003860
Fixed blade		0003871
Cutter set, 1x0003860, 1x0003871 with screws		1293867
for left hand operation:		
Moving cutter blade		0003821
Fixed blade		0003858
Cutter set, 1x0003821, 1x0003858 with screws		1293868



## Regrinding the cutters

The cutters for the S 214 Shear can be reground times. 3/16 in. can be removed from the moving cutter, and .079 in. from the fixed cutter.



Door cutout for car body assembly

Your local distributor:


**TRUMPF**


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Power Tools Division  
Farmington Industrial Park  
Farmington, CT 06032


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Fax: 860-255-6433  
E-mail: [handpo@us.trumpf.com](mailto:handpo@us.trumpf.com)  
Internet: <http://www.us.trumpf.com>




A compact, lightweight and maneuverable tool for cutting up to 12 gauge steel

 Powerful motor and excellent cutter design mean minimum force is required

 Provides burr- and chip-free cutting

 Minimal noise emission

 Each durable, easy-to-change cutter rotates to provide four cutting edges

## S 250-6 Electric Shears S 250-5 Pneumatic Shears

S 250-6 Electric Shear S 250-5 Pneumatic Shear		
Maximum Material Thickness	u/m	value
Mild steel to 57,000 tensile	ga. / in.	12 / .100
Steel to 85,000 tensile	ga. / in.	14 / .080
S.S. to 114,000 tensile	ga. / in.	16 / .060
Aluminum, 35,000 tensile	in.	0.12
Working speed	ft. / min.	13 - 23
Smallest start hole diameter	in.	1.1
Smallest inner radius	in.	.787
Strokes @ nominal load	per min.	2000
Nominal power consumption	W	500
Weight	lbs.	5.1
Protective insulation	Class II	

S 250-5/6 Wearing Parts & Accessories	
Original Accessories	Order No.
Set of 2 cutters (upper & lower, multi-edge blades for mild steel)	003946 (X2)
4mm Allen Key	023065
2.5mm Allen Key	067822
Carry/storage case	135280
Operator manual & safety instructions	
Wearing Parts*	Order No.
Set of mild steel cutters (4 X 003946)	127911
Set of HSSW cutters (2X)	919751
Carbon brushes, ea. (2 required)	358020

\*The moving & fixed blades are identical & interchangeable. Each can be rotated with 4 cutting edges. They are non-regrindable.



Electric and pneumatic power tools

**TRUMPF**  
S 250-6 Shears



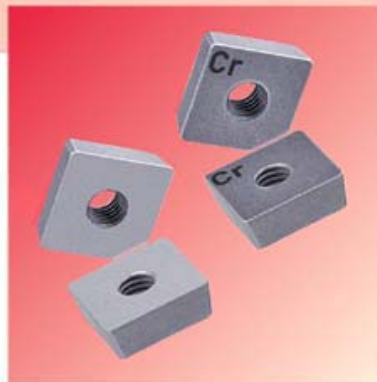
- Trim workpieces of any punchable materials: stainless, aluminum, plastics, etc.
- Cut straight or curved inner cutouts
- Trim straight or curved outer edges
- Cut along a scribed line or template



Patented long-life cutters can be rotated to use all four cutting edges. The moving and fixed blade cutters are identical.

Two types of cutter are offered:

1. Cutter for mild steel, aluminum (order # 127911, set of 4)
2. Cutter for stainless, other high tensile materials (919760, set of 2)



Your local distributor

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**Heavy-duty  
shearing  
with minimal  
feed force**

## **TRUMPF S 350 and S 450 Shears**



S 350-4 (Electric)



S 350-3 (Pneumatic)



S 450-4 (Electric)

- Minimal feed force is required due to optimum adjustment of the moving cutter to the material and thickness
- Cutter clearance adjusts in seconds... even during operation
- Unrivalled cutter longevity for mild steel and high tensile materials
- Unsurpassed maneuverability...even around corners
- Clear, unimpeded view of the work surface for accurate cutting along scribe lines

TRUMPF's heavy-duty trimming shears offer the quick trimming capability of the universal shear while permitting optimal cutter adjustment for any application. The external dial permits easy control of the cutter height clearance...even during operation.

The identical fixed and moving cutters are double edged, and can be turned and exchanged to extend cutter life and minimize set-up times. The ergonomic handle permits operation with one or both hands, while the integrated chip guard, for hand and motor protection, assures safe operation.

The workstation, available for both the S 350 and S 450 models, permits semi-stationary operation.

**TRUMPF**



Electric and pneumatic power tools

**TRUMPF Shears**  
**S 350-4, S 450-4**



Height adjustment



Technical Data	u/m	S 350-4 / S 350-3		S450-4	
Maximum Material Thickness		Flat Sheet	Coil	Flat Sheet	Coil
Steel up to 57,000 tensile	ga. / in.	10 / .138	11 / .118	7 / .177	9 / .157
Steel up to 85,000 tensile	ga. / in.	11 / .118	12 / .098	10 / .138	11 / .118
Stainless up to 114,000 tensile	ga. / in.	14 / .079	16 / .059	12 / .098	14 / .079
Aluminum, 35,000 tensile	in.	.157		.197	
Smallest Radius	in.	1.0		1.0	
Smallest Starting Hole	in.	2.0		3.0	
Strokes at Nominal Load	per min.	1600 / 1350		1600	
S350-4 Motor Capacity	amps	12.0		12.0	
S350-3 Air Consumption @ 90 psi	cfm	54			
Weight	lbs.	12.4 / 13.9		13.7	

**S 350 / S 450 Shears**  
**Accessories & Wearing Parts**

Cutter, Upper or Lower	139871
Set of 2 cutters with screws	140451
HSS Cutter, Upper or Lower	140417
Set of 2 HSS cutters with screws	140452
2mm Allen Key	002946
5mm Allen Key	067857
Feeler Gauge	056856
"G1" Lubricating Grease, tube	344969
Grease Gun	068624
Carry / Storage Case	982541

**Optional Accessory**

Stationary Workstation	979371
------------------------	--------



The standard cutter is used for mild steel, and can also be used for materials of up to 85,000 tensile for sheet thicknesses of .060" (16 ga.) or smaller.

The chrome steel cutter is designated with a "Cr" marking. It is used for materials between 57,000 and 114,000 tensile with material thicknesses over .060". Maximum thickness decreases with higher tensile values.

Standard cutter  
139871



Cr cutter  
140417

Your local distributor

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**TRUMPF**

# Spot for spot: the TRUMPF Power Fastener is superior

- handy machine for portable and stationary applications
- fast, efficient pressure joining guarantees consistent connection quality
- long lasting connection of same or different materials
- form locked, corrosion resistant cross compression process (cold forming)
- no set-up or finishing work required
- aesthetic, strong connections
- excellent portability and economy
- minimal connection costs without additional costs for fasteners such as rivets or screws
- practical maneuverability (can also be used in upside-down position)
- long tool life
- swivel arms can be easily changed
- no adjustments required for punch and die
- environmentally safe, clean operation

## TF 350-2 Power Fastener with Tipping Arm

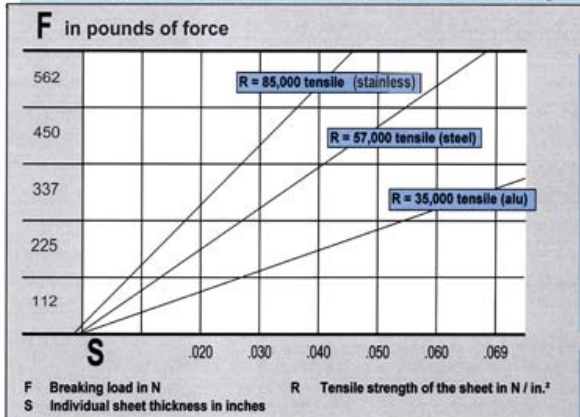


120 v.  
50 / 60 Hz



TRUMPF Power Fastener	Machine specifications	TF 350-2
Max. sheet thickness (all sheets)	mild steel in.	.138
	stainless steel in.	.079
	aluminum in.	.158
Minimum total sheet thickness	in.	.031
Maximum distance from edge	in.	2.30
Minimum distance from edge	in.	.31
Maximum joining force	lbs.	5,620
Motor rating	amps / w @ 110 v.	8 / 1400
Protective insulation		double
Weight	lbs.	17.0

Transferable force in relation to sheet thickness and tensile strength



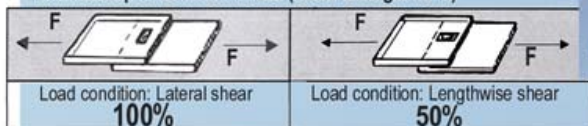
### Tool and workpiece arrangement



- 1 Punch
- 2 Sheet on punch side
- 3 Sheet on die side
- 4 Cutting segment
- 5 Die anvil



### Relationship of retention forces (shear strength as %)



### TF 350-2 tooling

#### Fixed die arm, with die



No. 3	use with die No. 3 (material .121" to .138")	118130
No. 3	use with die No. 3- (material .106" to .120")	118131
No. 2	use with die No. 2+ (material .081" to .105")	129763
No. 2	use with die No. 2 (material .061" to .080")	129764
No. 1	use with die No. 1 (material .031" to .060")	118132

#### Die, complete



No. 3	Total material thickness, .121" to .138"	111969
No. 3-	Total material thickness, .106" to .120"	111968
No. 2+	Total material thickness, .081" to .105"	122272
No. 2	Total material thickness, .061" to .080"	053875
No. 1	Total material thickness, .031" to .060"	111967

#### Stripper



Stripper for straight sheets	053649
Stripper for duct	112929

#### Punch



Punch	110335
Swivel arm with punch, complete	128748
Fixed arm with punch, complete	118129

### TF 350-2 standard equipment

- 1 set tooling, installed
- 2 allen keys
- 1 stripper operator's manual



## TF 350-2 Power Fastener with Tipping Arm



The Ring Mount suspends the weight of the tool at the best adjustable angle for any fastening application.  
p/n 0976671



### TF 350-2

The unique TRUMPF power tool for distortion-free and corrosion resistant connection using a unique cold forming technology. This spot forming process can be used on all formable and cuttable materials, such as steel, stainless steel and non-ferrous metals.

Cleanly and economically, the TF 350-2 provides tight, long-lasting connections of attractive appearance. With up to 8000 hits for each set of cutting segments, the cost of fastening is less than one cent per hit. Quietly, with low consumption of energy and totally free of polluting waste products, the TF 350-2 joins two or more sheets, up to a total of .138 inch, of coated or uncoated parts.

By forming the fastening element directly from the material being worked, this spot fastening technology eliminates the need for rivets, spot welds, bolts and other non-integral fasteners. By matching the correct die and die arm for the total material thickness, the need for further adjustments is eliminated. Spot fastening is simple and fast.

For applications where the spot needs to be placed over a flange or other obstruction, the tilting arm swings the punch (or die or both) to the side for access, then swings the tooling back for exact placement. The TF 350-2 is normally delivered with the punch mounted on top in the tilting arm, and the die mounted on bottom in a fixed die arm.

Any combination, however, of tilting or fixed arm for the punch, and tilting or fixed arm for the die mounted top or bottom, may be specified. The TRUMPF power fastener is used wherever box-shaped subassemblies are composed of individual elements or strips.

Typical applications include tank construction, HVAC duct assembly, electrical and chemical appliances, and cabinet assembly. An optional ring mount that can be suspended from a balancer permits 360° maneuverability of the tool for speedy precise jointing in assembly line operations.

Another option is the TF 350-2 foot-activated Workstation that fast, precise and comfortable positioning of work pieces to be joined, leaving both hands free for accurate guidance.



The foot-activated Workstation frees the hands for better guidance - perfect for assembly line applications.  
p/n 1224803

TRUMPF, Inc.  
Portable Power Tools  
111 Hyde Road  
Farmington, CT 06032  
Phone: (860) 674-8226  
Fax: (860) 255-6433  
E-mail: handpo@us.trumpf.com  
www.us.trumpf.com

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# Tooling Options for the TF 350-2 Fastener

### Tilting Arm Punch Assembly

### Complete Tilting Arm Assemblies

Tilting Arm with punch, compl.	128748
Tilting Arm with Die No.1, compl.	128792
Tilting Arm with Die No.2, compl.	128793
Tilting Arm with Die No.2+, compl.	129723
Tilting Arm with Die No.3-, compl.	129724
Tilting Arm with Die No.3, compl.	128794

### Fixed Die Arm Assembly

Die No. 1	111969	Fixed Die Arm No.1	118133
Die No. 2	111968	Fixed Die Arm No.2	118138
Die No. 2+	122272		
Die No. 3-	053875	Fixed Die Arm No.3	118139
Die No. 3	111967		

### Complete Fixed Arm Assemblies

Fixed Punch Arm, complete	118129
Fixed Die Arm No.1, complete	118130
Fixed Die Arm No.2, complete	118131
Fixed Die Arm No.2+, complete	129763
Fixed Die Arm No.3-, complete	129764
Fixed Die Arm No.3, complete	118132

### Die Selection

Total Material Thickness			Use Die No.	with Die Arm No.
Mild steel	Chrome steel	Aluminum		
.032" - .059"	.032" - .059"	.032" - .080"	111969	118133
.060" - .080"	.060" - .080"	.081" - .158"	111968	118138
.081" - .099"	.081" - .099"		122272	
.100" - .118"			53875	118139
.119" - .138"			111967	

Worn cutting segments can be replaced (with new o-ring) as long as the die anvil is in good condition

1. Punch, p/n 110335
2. Cutting segment, 053881
3. Die anvil
4. O-ring, 056636



## TF 350-2 Fastener Mounting Options



### Ring Mount

Order No. 117846

For ease of operation in production-type settings, the Ring Mount makes it easy to maneuver the tool at any angle required by the application.

### Workstation

Order No. 1224803

Fastening is activated by the foot switch, freeing both hands for quick, accurate guidance of the workpiece. Combines fast, easy set-up with superior stability.

10-1/2" w X 12-1/2" d X 58-1/4" h

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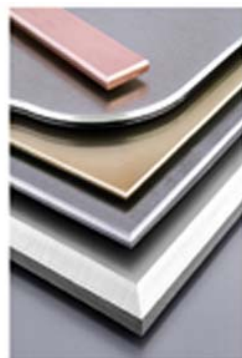
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## TRUMPF bevel & deburring machines

Perfect edges for modern machining



**TKA 300-0**  
**TKA 500-0**



Copper  
Steel  
Bronze  
Stainless Steel  
PVC & Plexiglass



Perfect edges...straight or round. The TKA 300-0 and TKA 500-0 bevel & deburring machines from TRUMPF set new standards for processing fine edges. Whether you want visibly perfect edges with straight chamfer or radius, or you just need to quickly deburr, these are the ideal tools.

The innovative tooling system features integrated tool holders for 30°, 45° or 60° chamfers, or R2 and R3 radii. Each of the 3-sided cutting inserts can be rotated for maximum tool life. Inserts are available for mild steel (standard), stainless steel or for aluminum.

Compact and durable, the TKA 300-0 and TKA 500-0 is suitable for quick, efficient edge processing on a variety of materials, including many plastics.



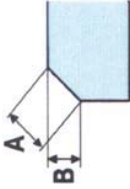
**TRUMPF Power Tools**

**TRUMPF**





## Bevel and Deburring Machine



Maximum bevel height (B) / bevel length (A)	U / M
Steel, 57,000 tensile	in.
Steel, 85,000 tensile	in.
S/S, 114,000 tensile	in.
Aluminum, 35,000 tensile	in.
Plastic (PA6)	in.
Minimum sheet thickness*	in.
Smallest inner radius	in.
Working speed	in.
Motor rating	in.
Weight (without cable)	in.



Integrated Multi-Edged Tool Holder



Chip Collector



### Options

Description	Quantity	Part No.
Plate for Deburring	1	1236998
Wheel for thin sheet metal	1	1237451
Lamination sheets for scratch-free processing	5	1234851
Chip box	1	1236997
Cutting Oil (steel) .5 lit.	1	0103387
Cutting Oil (alum.) 1-liter	1	0126874

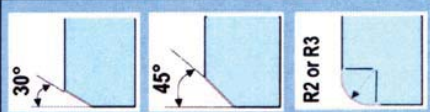
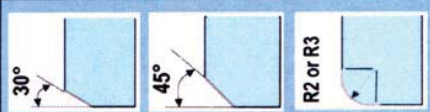
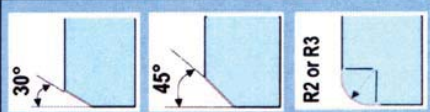
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July 2005, pwr



## TKA 300-0



Straight chamfer		Radius chamfer	
45°	30°	R2 (.078")	R3 (.118")
.067 / .095	.087 / .095	X	X
.028 / .043	.035 / .039	X	X
.020 / .028	.028 / .028	X	X
.118 / .177	.177 / .197	X	X
.118 / .177	.177 / .197	X	X
.020		.020	
.433		.433	
13 - 19		13 - 19	
670		670	
6.4		6.4	

## TKA 300-0

Standard tool includes 45° milling holder with 2 standard inserts, accessories, carry/storage case and operators manual

### Tooling

Description	Quantity	Part No.
45° tool holder for 2 inserts	1	1223697
30° tool holder for 2 inserts	1	1237000
Radius tool holder for 2 inserts	1	1227952
Standard Inserts	2 / 10	1209676 / 1232627
Radius inserts R2	2 / 10	1232672 / 1232676
Radius inserts R3	2 / 10	1232630 / 1232671
Cr inserts, 30°-45°	2 / 10	1214188 / 1232628
Cr inserts R2	2 / 10	1232680 / 1232691
Alum. inserts 30°-45°	2 / 10	1214189 / 1232629



## TKA 500-0



Straight chamfer		Radius chamfer	
45°	30°	R2 (.078")	R3 (.118")
.110 / .157	.138 / .157	X	X
.059 / .087	.079 / .087	X	X
.035 / .051	.047 / .051	X	X
.240 / .335	.177 / .197	X	X
.240 / .335	.177 / .197	X	X
.020		.020	
.433		.433	
9 - 13		9 - 13	
1200		1200	
7.8		7.8	

## TKA 500-0

Standard tool includes 45° milling holder with 2 standard inserts, accessories, carry/storage case and operators manual

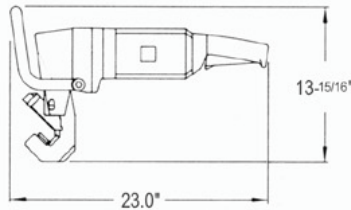
### Tooling

Description	Quantity	Part No.
45° tool holder for 3 inserts	1	1227954
30° tool holder for 3 inserts	1	1237683
60° tool holder for 3 inserts	1	1257861
Radius tool holder for 2 inserts	1	1227952
Standard Inserts	3 / 10	1241780 / 1232627
Radius inserts R2	2 / 10	1232672 / 1232676
Radius inserts R3	2 / 10	1232630 / 1232671
Cr inserts, 30°-45°	3 / 10	1241851 / 1232628
Cr inserts R2	2 / 10	1232680 / 1232691
Alum. inserts 30°-45°	3 / 10	1241852 / 1232629

# TRUMPF Beveller - perfect handling

- compact machine for portable and stationary weld preparation
- fast and simple bevelling of all standard welding joints
- consistent and clean bevelled edges
- quickly and easily adjustable to various plate thicknesses and lengths of bevel
- individual guide brackets for angles of bevel 30, 37.5 and 45 degrees
- ease of operation even on concave or convex edges
- good curve accessibility
- can start and stop at any point on edge being beveled
- rotating guide bracket allows cutting in three directions
- application oriented maneuverability in vertical, horizontal or inverted positions
- multi-regrindable cutters
- new geometry and guidance of cutting tool ensure extremely long tool life
- special cutters
- minimized set-up times because of tool quick-release catch
- roller guide ensures ease of handling
- all-around grip handle provides improved ergonomics

## TKF 104-0



TKF 104-0 110 v.		TRUMPF Beveller	
30, 35.7, 45 Degree (please specify)			
Machine Specifications		Mild Steel	
Sheet Thicknesses	in.	3/16 - 1.00	
Bevel Angle	deg.	30-37.5-45	
Max. Bevel Length (at 45 deg.)	in.	7/16	
Approx. Working Speed	ft. / min.	8.0	
Smallest Inner Radius	in.	2.0	
Strokes Under Full Load	per min.	400	
Motor Capacity	amps	15	
Weight	lbs.	30.5	

TKF 104-1 Pneumatic		TRUMPF Beveller	
30, 35.7, 45 Degree (please specify)			
Machine Specifications		Mild Steel	
Motor Rating	hp	4	
Strokes @ Nnominal Load	per minute	340	
Air Consumption	cfm	100	
Weight	lbs.	31.5	

### TKF 104-0 accessories

Standard cutting tool	088503
Cutter for aluminum	005014
Cutter for high tensile steel	089335
Heavy-duty cutting tool (use only with speed controller)	110399
Guide bracket 30 degrees complete with stripper	104308
Guide bracket 37.5 degrees complete with stripper	104309
Guide bracket 45 degrees complete with stripper	104310

### TKF 104-0 standard equipment

- 1 set tooling (installed)
- 2 handles
- 2 Allen keys
- Roller guide
- Operator's manual

Also available  
in pneumatic  
model

## TKF 104-1





## TKF 104-0

Increased reliability, ease of handling, long tool life, and minimum set-up times are all well-known features of TRUMPF's TKF 104-0 portable machine for bevelling materials of up to 1.00 inch thickness.

Specific guide brackets for bevel angles of 30, 37.5, and 45 degrees permit fast, complete and simple conversion. Complicated and time-consuming adjustments, set-up time and down-time are all reduced to a minimum. Bevelling in three directions is possible by simply rotating the guide bracket.

The TKF 104's maneuverability, ergonomic design and special handling features (like the all-around grip and sliding handles, or the roller guide for the bracket) allow you to adjust the tool's handling for any application.

Special cutting tools are available for optimizing service life when bevelling materials from aluminum to high-tensile steel. Each blade has four regrindable cutting edges, improving performance and longevity on any material.

Fumes, gases, sparks- they're all eliminated with the bevelling process used by the TKF 104-0. Precise bevelled edges are made quickly, safely, and with consistent quality. Bevelling at up to 8 feet per minute the TKF 104-0 delivers both quality and speed.



**TRUMPF TKF 104-0: the unrivalled portable beveller in its performance category, with the most satisfactory results... flexible, fast, and precise!**

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Farmington, CT 06032  
Phone: (860) 674-8226  
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**TRUMPF**

**NEW**

**Technology, power, speed**



Bevelling

## Beveller TKF 1100-0

Working speed of 6 to 7 feet / min. with minimum amount of force

Maximum bevel height of .375 in.

For straight and radius edges as well as pipe and K-, V-, X-, and Y-joints with 30°, 37.5°, or 45°

No extra tools are needed to adjust to sheet thickness or to exchange the cutters

The new TKF 1100-0 beveller unites flexibility and economy to provide precise and emission-free bevelling. The result is meticulously clean K-, V-, X-, and Y-edges, even when processing stainless steel. Thanks to the specially developed cutting process from TRUMPF, the edges remain oxide-free. No refinishing required.



all customary joints can easily be prepared at any point along the workpiece



Bevel Geometry

The TKF1100-0 is distinguished by its easy setup and variable bevel height. In addition, no extra tools are required for changing the cutter mounts with 30°, 37.5° and 45° bevel angles. The light weight and compact, ergonomic design makes handling easy and efficient, even with continuous use.



**TRUMPF**



Electric power tools

# Bevelling

## TKF1100-0 Tech data

Angle of Bevel	u/m	30°	37.5°	45°
<b>Maximum bevel height</b>				
Mild steel, to 57000 tensile	in.	.374	.343	.307
= max. bevel length of	in.	.433	.433	.433
Steel, to 85000 tensile	in.	.307	.280	.252
= max. bevel length of	in.	.354	.354	.354
HSS steel, to 114,000 tensile	in.	.205	.190	.165
= max. bevel length of	in.	.236	.236	.236
<b>Sheet thickness range</b>				
Sheet thickness range	in.	.118 - 1.00	.118 - 1.00	.118 - 1.00
Minimum inner radius	in.	1.6	1.6	1.6
Smallest tube I.D.	in.	3.15	3.15	3.15
Working speed	ft. / min.	6-7	6-7	6-7
Nominal power consumption	W	1600	1600	1600
Strokes under nominal load	per min.	340	340	340
Weight without cord	lbs.	22.0	22.0	22.0

TKF 1100-0 pedestal for stationary mount: p/n 1300382



## Applications

- Steelwork
- Steel fabricators
- Railroad cars
- Ship building
- Machine industry
- Boiler construction

rights reserved for technical changes



## TKF 1100-0

### Wearing parts and accessories

#### Included accessories

Standard cutter	installed	0088503
Roller holder		1299028
Bow handle		1279590
Round handle		0131063
5mm Hex head wrench		0067857
Tube "G1" lubricant	25 gr	0344969
Punch & nibbling oil for steel	500 ml bottle	0103387
Grease gun		0068624
Carrying case		1279611
Operators manual		

#### Available accessories

Standard cutter (mild steel)	0088503
Cr cutter	0089335
Aluminum cutter	0005014
Cr high-performance cutter	0110399
Stripper, 30°	1299027
Stripper, 37.5°	1299026
Stripper, 45°	1299025
Cutter guide	1297406
Mount plate	0130881
Mount holder	1297327
Wearing plate	1297370
Carbon brush, set of 2	0360183

#### Further options

Punch & nibbling oil, steel	500 ml	0103387
Punch & nibbling oil, aluminum	1-liter	0125874
Pedestal for stationary mount		1300382



Your local distributor:

TRUMPF, Inc.  
Portable Power Tools  
111 Hyde Road  
Farmington, CT 06032  
Phone: (860) 674-8226  
Fax: (860) 255-6433  
E-mail: handpo@us.trumpf.com  
www.us.trumpf.com

**TRUMPF**



## Perfect Edge Preparation for Today's Welding The TRUMPF TKF1500-0 Beveller

The unique nibbling-style bevellers from TRUMPF offer fast, easy, consistent bevelling of all standard welding joints. The compact TKF 1500-0, used either as a portable or stationary tool, quickly prepares clean bevelled edges for steel, stainless steel, aluminum and most other fabricating metals. Bevel angles can be adjusted to between 20° and 50°, with a maximum material thickness of 1.5 inches.

The unique long-life threaded cutting tools permit bevelling in two directions. Each cutter has four regrindable cutting edges.

The 2-speed PLUS version of the TKF1500-0 is recommended for work in stainless and other high tensile materials. By slowing the machine's speed, the finished quality of the bevel is improved, while extending the life of the tooling.

Whether bevelling plate, pipe, tubing, structural beams or any welding application, the TKF1500-0 does the job better and faster...all in one operation.

Contact us at TRUMPF Inc., Power Tool Division, Farmington, CT (860) 674-8226 or visit us on the web at [www.us.trumpf.com](http://www.us.trumpf.com)





# Technical Data

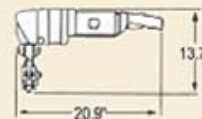
<i>Preparation is Everything</i> TRUMPF Bevellers		TKF 1500-0 elec. TKF 1500-1 pneu.	TKF 1500-0 PLUS elec. TKF 1500-1 PLUS pneu.	
Angle of bevel		20° - 45°		
Maximum bevel size		1-speed      2-speed		
Mild steel	57,000 tensile in.	.600	.600	.600
Stainless steel	85,000 tensile in.	.354	.433	.354
Stainless steel	114,000 tensile in.	.236	.354	.236
Sheet thickness		.157 - 1.5		
Smallest inner radius		2.17		
Approx. working speed		6.0	4.0	6.0
Motor rating, 120 v.		17.4		
Air consumption @ 90 psi		100		
Strokes at nominal load		2000		
Weight		36.0	43.0	
Protective insulation		Class II		



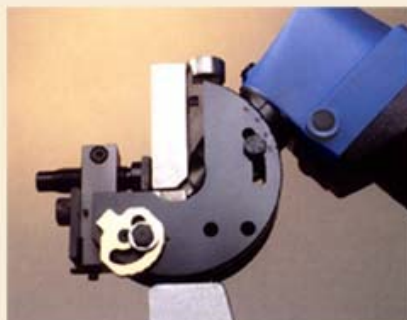
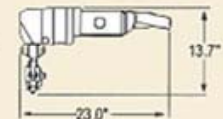
**TKF 1500-1 / -1 PLUS  
pneumatic beveller**

- Bevel angle adjusts easily from 20 to 45 degrees
- Each cutter has 2 cutting edges which can be resharpened multiple times
- Suitable for portable or stationary preparation of welded seams
- Long wearing cutters are available for mild steel, stainless and aluminum
- Bevells pipe of 5-1/2 inch inside diameter or greater
- 2-speed PLUS model slows beveller for stainless and other high tensile materials

TKF 1500-0



TKF 1500-0 PLUS



Mounting pedestal  
for TKF 1500 bevellers

- A single bolt mounts the beveller for fast, precise benchtop operation

Order No. 005080

Your TRUMPF PPT Distributor:

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TRUMPF Inc.  
Power Tools Division  
Farmington Industrial Park  
Farmington, CT 06032

Phone: 860-674-8226  
Fax: 860-255-6433  
E-Mail: handpo@us.trumpf.com  
Internet: http://www.us.trumpf.com



# The TKF 700-2 beveller

for fast, clean weld preparation and deburring

- fast and easy bevelling of all standard welding joints on materials up to 3/4 in. thick
- uniform, oxide-free, ready-to-weld bevelled edges for steel, aluminum, stainless steel and similar high tensile materials
- special patented cutters for roughing and finishing in one operation
- easy-to-set, tool-free adjustments for material thickness and length of bevel
- practical maneuverability in horizontal, vertical or inverted position
- optional workstation secures the beveller for applications with small workpieces
- perfect for pipe with inside radius of 2-1/4 in. or more
- bevels interior holes and cutouts with 3-1/2 in. diameter or more

■ powerful 1400 watt motor assures bevelling comfort and extended tool life

■ speed controller maximizes finish quality and cutter life on high tensile materials

## TKF 700-2 electric nibbler

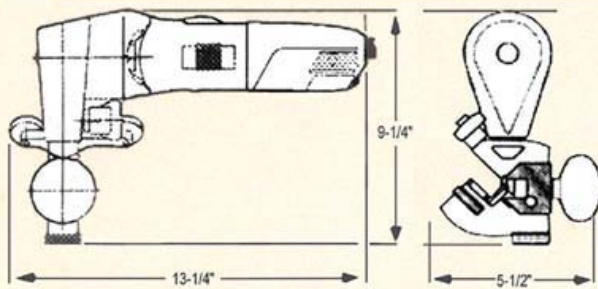
specify 30°, 45°, or 37.5°



**TKF 700-3**  
pneumatic nibbler

TKF 700-2* Electric Beveller	Specify Angle		
Angle of bevel	30°	37.5°	45°
Max. bevel size			
Steel 57,000 tensile	in. .276	.276	.276
85,000 tensile	in. .225	.225	.225
S/S 114,000 tensile	in. .157	.157	.157
Sheet thickness	in. .040 - .750		
Smallest inner radius	in. 1.5		
Working speed	ft./min. 4.0		
Motor rating	Amps 12		
Strokes at nominal load	per min. 600		
Weight	lbs. 12.0		
Protective insulation	Class II		

\*also available in pneumatic model, TKF 700-3 (54 cfm w/90 psi @ gauge)



**TKF 700-2**  
Electric Beveller



1. Bevelling pipe with an i.d. of 2-1/4" or greater is a breeze with the TKF 700-2. Optional roller guide (131559) helps maneuver the tool around the pipe circumference.
2. Whether concave or convex, any internal radius of 1-1/2" or greater can be bevelled...or cutouts of 3-1/2" or greater.
3. Optional workstation (133949) makes quick work of bevelling small workpieces or short lengths of pipe.

The TKF 700-2's new powerful, 1400 watt, high-performance motor is protected by an electronic overload guard to ensure long life of the machine and tooling.

Cutters for the TKF700-2 are available for mild steel or for stainless steel. Each has two cutting edges.

Bevelling can start at any point on the workpiece, and continue in either direction



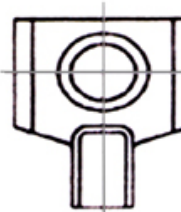
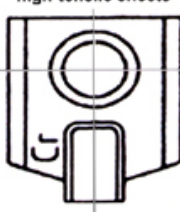
Speed control on TKF 700-2 beveller

The speed regulator allows the operator to adjust the beveller's speed to the material being worked on. By reducing the number of strokes, the quality of the work is improved,

particularly when machining radii, tubing, pipe and, especially, stainless steel and other high-tensile materials (greater than 57,000 tensile).

**Cutter selection**

Two different cutters are used to machine sheets with various tensile strengths

Tensile strength of the material to be machined	Material up to 57,000 tensile	Material over 57,000 tensile
	for mild steel, aluminum	for stainless steel
Type of cutter	Standard Cutter 	Cutter for high-tensile sheets 
Order No.	130879	130880

ACCESSORIES INCLUDED	
Description	Order No.
Cutter (mild steel), installed	130879
Handle	131063
T25 Torx key	131549
Tube, "G1" grease	344969
Grease gun	068624
Carry/storage case	982540
Roller holder	130868
4mm Allan key	065849
5mm Allan key	067857
Operator manual	
Safety instructions	

OPTIONAL	
Description	Order No.
30" bracket, complete	977770
37.5" bracket, complete	977769
45" bracket, complete	977767
Workstation	133949
Roller guide for pipe & tubing	131559
Punch & nibbling oil for steel, 500ml	103387
Punch & nibbling oil for aluminum, 1 liter	125874
"G1" lubricating grease, 4 oz.	344969
"G1" lubricating grease, 2.2 lb.	139440

WEARING PARTS	
Description	Order No.
Standard cutter	130879
High tensile cutter	130880
Spare parts kit for mild steel & aluminum (2-130879 with fixing screw)	132371
Spare parts kit for high-tensile materials (2-130880 with fixing screw)	132740

TRUMPF, Inc.  
Portable Power Tools  
111 Hyde Road  
Farmington, CT 06032  
Phone: (860) 674-8226  
Fax: (860) 255-6433  
E-mail: handpo@us.trumpf.com  
www.us.trumpf.com





## The TPC 150-2 Sandwich Panel Cutter from TRUMPF

The TPC 150-2 Panel Cutter from TRUMPF is the essential professional tool for cutting poly-foam insulated panels. Two models, for up to 3 inch and up to 6 inch panels, are available. With the TPC 150-2, burr-free inner and outer cuts are made quickly and precisely. Start holes and retro-work are eliminated.

An integrated lubrication system ensures high performance and long tool life. An integral speed reducer lets you adjust the motor speed to your application. And a standard connection port allows you to attach a vacuum cleaner to extract particles and dust during operation.



The unique saw chain is designed for piercing, cutting and trimming... all in a single pass. Clearly marked scales permit exact adjustment of piercing depth and blade position. Inside cutouts... even one-sided cutouts... are made quickly and accurately.

For more information on the TPC 150-2 Panel Cutter, contact us at TRUMPF, Inc., Power Tool Division, Farmington, CT. (860) 674-8226, or visit us on the web at [www.us.trumpf.com](http://www.us.trumpf.com)

### Areas of Application

-  Industrial buildings
-  Hall construction
-  Garages
-  Cold storage buildings
-  Exhibition halls
-  Cooling / Air conditioning technology
-  Container construction

**TRUMPF**





## Technical Data



### Efficient Cutting - Made Easy!

#### TPC 150-2 V80 & V150 Panel Cutter

Insulation material	Polyurethane foam	
	TPC 150-2 V-3	TPC 150-2 V-6
Maximum panel thickness	in. 3.15	6.0
Maximum single sheet thickness @ 57,000 tensile	in. .035	.035
Working Speed	ft./min. 6.5	6.5
Smallest possible opening by piercing	in. 10.25	13.5
Motor Rating	W. 1400	1400
Weight (without cable)	lbs. 22.5	23.0



#### Economy

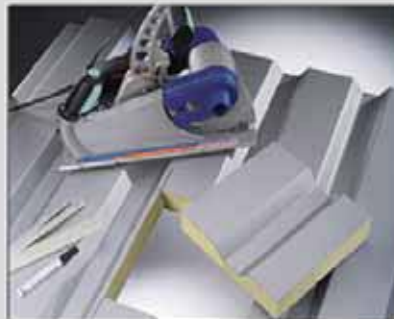
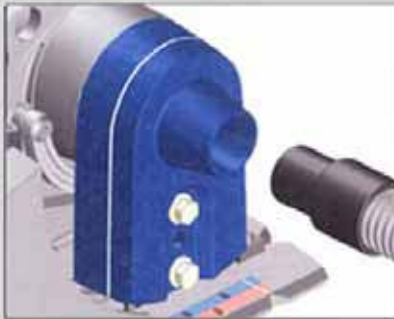
- All cutting accomplished in one pass
- Trimming is quick, accurate & burr-free
- Plunge-cut: inside cutouts in one step
- No starting hole

#### Safety

- 2-handed operation, with metal guard over chain
- Fully automated chain stop in less than a second
- Dust extractor protects from harmful particles
- Chip brush prevents chips from falling out

#### Reliability

- Engineered for continuous industrial use
- Full 12-month warranty applies
- Integrated lubrication system maximizes machine and tooling life



Tool change: quick & easy



3-inch saw chain p/n 1205453  
3- inch blade p/n 0987998  
6-inch saw chain p/n 0994971  
6- inch blade p/n 0987999

Your TRUMPF PPT Distributor:

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TRUMPF Inc.  
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Farmington Industrial Park  
Farmington, CT 06032

Telephone (860) 674-8226  
Fax (860) 676-2606  
email info@us.trumpf.com  
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## **TRUMPF Slat Cleaner TSC 1**

**Innovative, Economical, High Performance**

-  **Automatic feed makes handling simple and easy**
-  **High operating speed means time-saving cleaning**
-  **Safe and quiet operation**
-  **Economical- high cost savings compared to conventional manual cleaning methods or replacement**

The TSC 1 Slat Cleaner



The cleaning process



Using the suspension cable

The process stability of a laser cutting machine depends on the condition of its support slats. With the slag build-up not only does the process become less stable, but the quality of the parts also suffers.

The new TSC 1 Slat Cleaner lets you clean the slats on practically all conventional flatbed laser machines quickly and reliably...and save money as well. Now you can clean the slats 4 to 5 times before they need to be replaced.

With a powerful 1200 Watt motor and automatic forward feed, the TRUMPF TSC 1 Slat Cleaner has a working speed of 26-33 ft./min. Not only do the rollers crush the slag, but they even straighten the twisted spikes. The cleaner automatically adjusts to different slat and slag thicknesses. On flatbed laser machines with a pallet changer, cleaning takes place while production is running. The TSC 1 cleans both steel and copper slats...even stainless where the proportion of stainless slag is less than 30%.

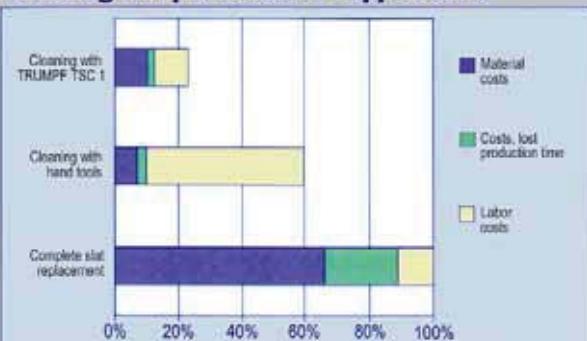
### Slag buildup on slats



### After cleaning with the TSC 1



### Cost comparison: Cleaning & replacement of support slats



Calculation example: TRUMATIC L 30X0, 2 pallets with 50 slats each



### Technical data TSC 1 Slat Cleaner

Slat material thickness	in.	.098 - .138
Max. thickness slag build-up	in.	1
Min. distance between slats	in.	1.32
Working speed	ft. / min.	26 - 33
Nominal power consumption	W	1200
Weight	lbs.	28.7

\* Subject to change

### TSC 1 Wearing Parts & Accessories

#### Included with new tool

Roughing rollers, 2 ea.	installed
Finishing rollers, 2 ea.	installed
Locking front grip, complete	1359159
Locking rear grip, complete	1359355
Grease gun, with "G1" grease	1369906
Hex spanner, 4mm	0067849
Operators Manual	
Carry / Storage Case	0351942

#### Optional accessories

Roughing rollers	set of 2
Finishing rollers	set of 2
Protective plate set (1-ea. left / right shield)	1374878
Stripping plates	set of 4 1372907
Tools set (2-1369900, 2-1369901, left & right shield, 4-stripping plates)	1369902
Can "G1" grease	32 oz. 0139440
Carbon brushes	set of 2 0138649

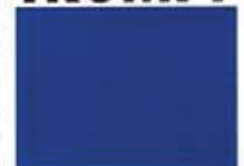
#### Additional options

Workstation	on request
-------------	------------

Your TRUMPF PPT Distributor

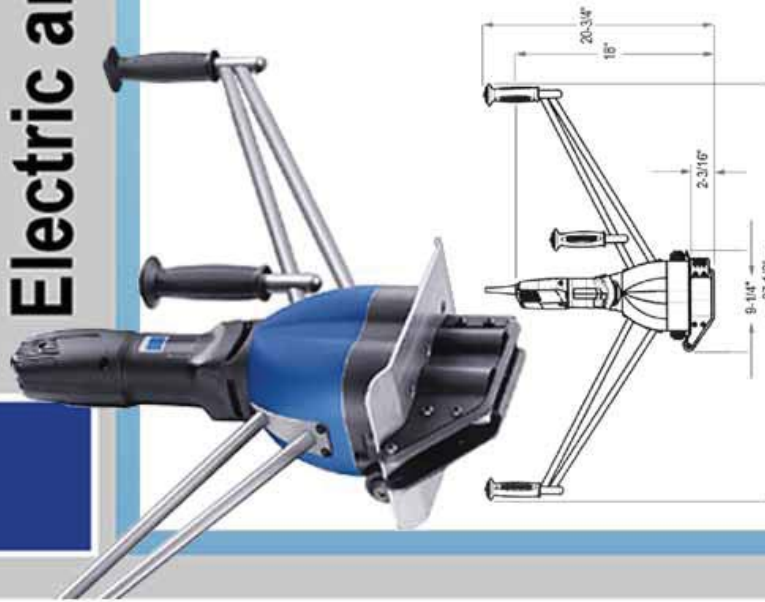
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Farmington, CT 06032  
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# Electric and Pneumatic Power Tools



**Slag buildup on slats**



**After cleaning with the TSC 1**



## TSC 1 Slat Cleaner

- ✓ Cleans the slag build-up on the support slats of practically all conventional flatbed laser machines and plasma cutting systems
- ✓ Great cost savings when compared to manual methods or complete replacement
- ✓ Slats can be cleaned 4 to 5 times before they need to be replaced
- ✓ Rollers crush the slag...and even straighten twisted spikes... at 26 to 33 ft./min.
- ✓ Cleans steel and copper slats...even stainless, where proportion of stainless slag is less than 30%
- ✓ Quiet and safe 2-man operation, with automatic adjustment to different slat and slag thicknesses
- ✓ On flatbed laser machines with a pallet changer, cleaning takes place while production is running.

# Electric and Pneumatic Power Tools

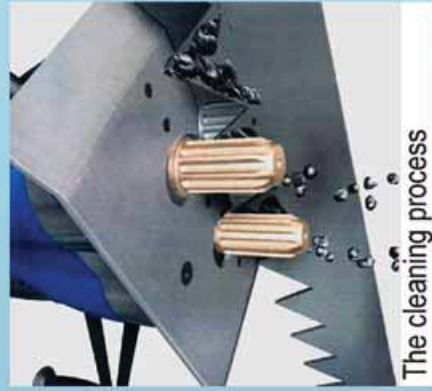


## TSC 1 Slat Cleaner - Overview

### TSC 1 Slat Cleaner 120 v.

Slat material thickness	in.	.098 - .138
Max. thickness slag build-up	in.	1
Min. distance between slats	in.	1.32
Working speed	ft. / min.	26 -33
Nominal power consumption	W	1200
Weight	lbs.	28.7

### Cost Comparison: Cleaning / Change-out of Slats



The cleaning process



Using the suspension cable

**News**

**For our slat cleaner TSC 1**



**NEW : Finishing rollers No. 2**

Most TSC 1 customers use support slats in the thickness range of .118" to .154". For the few who use smaller slats (.080" to .118") we now offer "Finishing Roller No. 2"

**Recommendation**

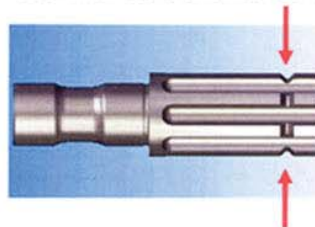
The new "Finishing Roller No. 2" should be used for all support slats with a thickness under .118 in. This will both offer better cleaning results and optimize the the machine's automatic feed. Otherwise, the standard "Finishing roller No. 3", which is normally supplied with the new machine, should be used.

Description	Support Slat	Order No.
<b>Finishing Roller No. 2</b> Set of 2	.079" - .118"	<b>1383498</b>
<b>Finishing Roller No. 3</b> (standard), Set of 2	.118" - .154"	<b>1369901</b>
<b>Tool Set No. 2 (.079" - .118")</b> 2- Roughing Rollers, 2- No. 2 Finishing Rollers, Left / right Shields, 4-Stripping plates		<b>1382843</b>
<b>Tool Set No. 3 (.118" - .154")</b> Standard set: 2- Roughing Rollers, 2-No.3 Finishing Rollers, Left / Right Shields, 4-Stripping plates		<b>1369902</b>

*\*All prices are subject to change*

**How can you distinguish between the two different finishing rollers?**

The new Finishing Roller No. 2, for support slat thickness of .079" to .118", has a groove. This can be seen when even when the roller is installed in the machine.



**Finishing Roller No. 2**  
2 - 2.9 mm (.079" - .118")  
Simple distinction by the groove



**Standard Finishing Roller No. 3**  
3 - 3.9 mm (.118" - .154")



**Worldwide**

TRUMPF Grösch AG  
Electric Power Tools  
Ausserfeld  
CH-7214 Grösch  
Phone: +41 81 307 61 61  
Fax: +41 81 307 64 02  
sales@ew.trumpf.com  
www.ew.trumpf.com

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