

**TRUMPF**



Power Tools

For steel and  
metal construction  
professionals



# Steel and metal construction.

When sheet metals and profiles vary greatly, the number of pieces is small or the components are very large, stationary edge processing solutions are not very practical and often not economical. This is exactly where our hand-guided edge processing tools come in and deliver a high-quality result without any post-processing. Slat cleaner and part separator are perfect additions to laser cutting machines.

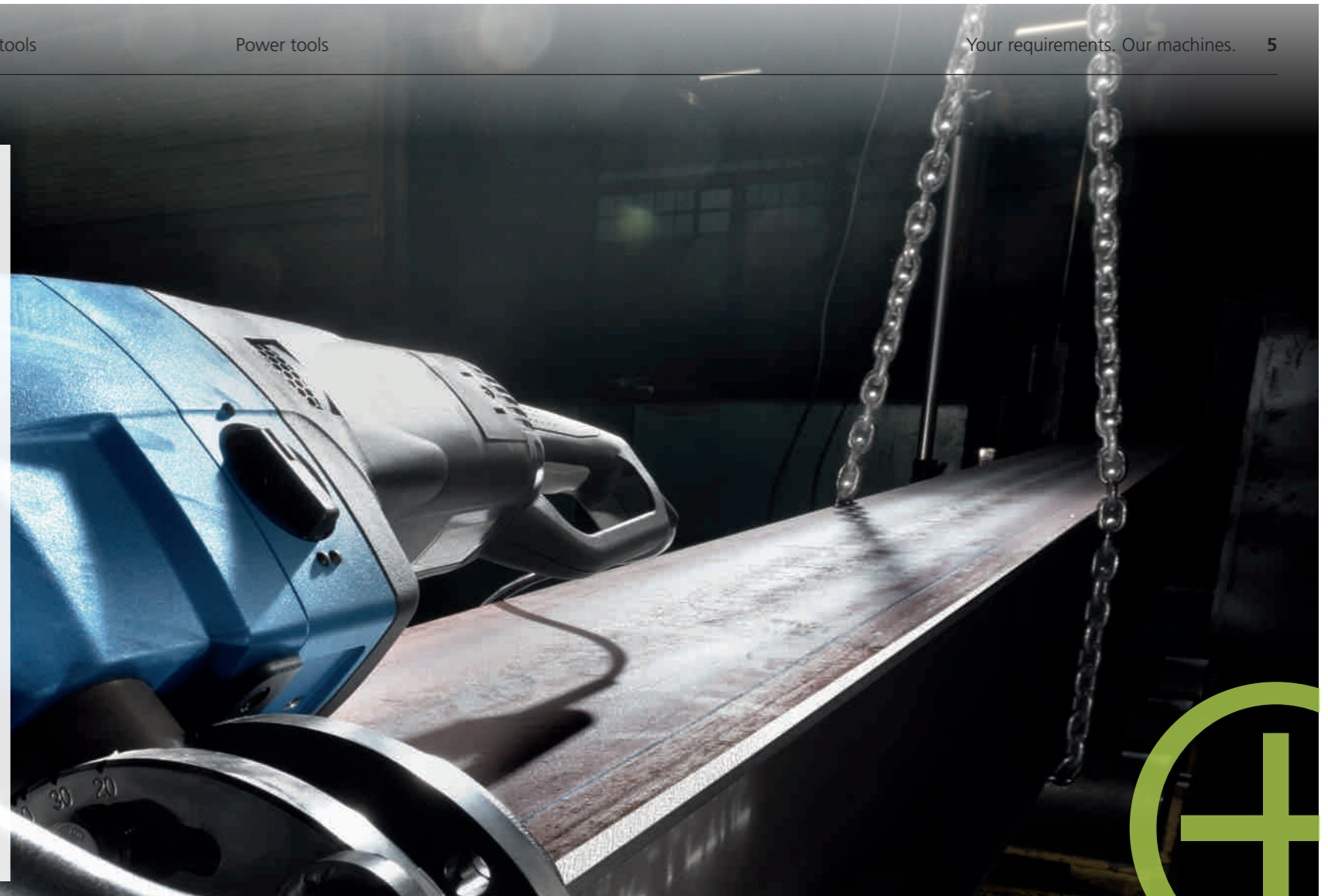
## Equipped for everyday use:

- Our edge trimmers are suitable for deburring end edges, removing cutting burrs or rounding. For example, as work preparation for powder and paint coating. The edge trimmers can also be used to prepare the weld seams.
- Our bevellers create perfect welding edges in one operation. The heat generation is so low that there is no structural change to the metal.
- The slat cleaner allows easy removal of slag from the slats of laser cutting machines. This way, the slats can be used up to four times longer.
- The part separator ensures that small parts connected with nanojoints or microjoints can be easily removed.

# Your requirements. Our machines.

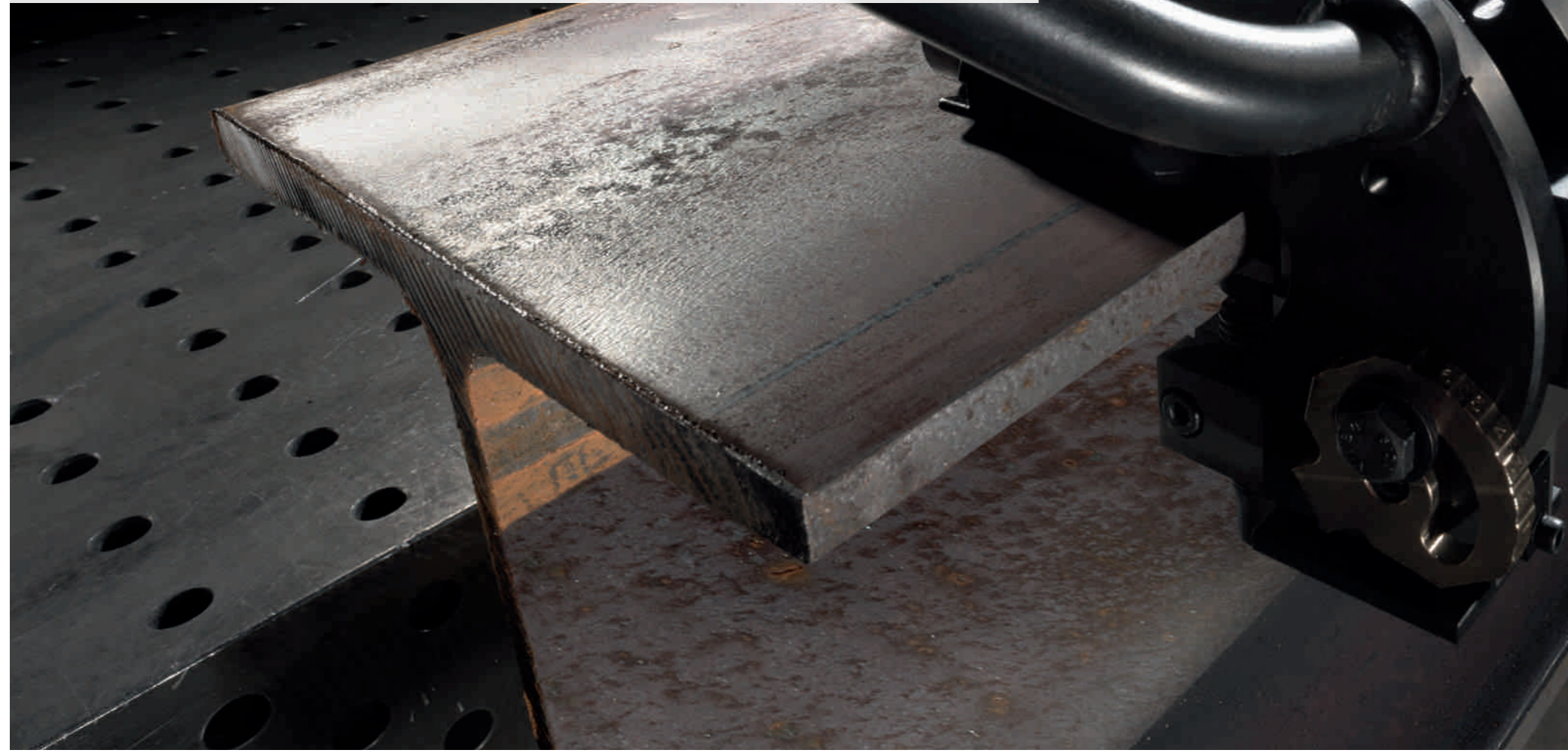
Requirements	TKA 700	TKA 1500	TKF 700	TKF 1500	TSC 100	PS 100
Seam weld preparation	■	■	■	■		
For rounding finished edges / visible edges (radius R2, R3 and R4)	■	■				
Trimming finished edges	■	■				
Removing burrs after the cutting process	■	■				
Chamfering	■	■				
For straight metal sheets	■	■	■	■		
For interior and exterior contours	■	■	■	■		
Pipe processing	■	■	■	■		
Steel beam profile, front side processing	■	■				
Steel beam profile, longitudinal processing	■	■	■	■		
Cleaning support slats					■	
Small part removal from the scrap skeleton						■

TKA= Edge trimmers TKF= Bevellers TSC= Slat cleaner PS= Part separator

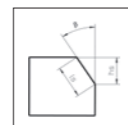


## Solid tool. Solid result.

TRUMPF supports your everyday work by providing uncomplicated solutions to lighten your load. We focus on ergonomics, minimising physical strain and achieving perfect results. Our machines are suitable for continuous operation and have an extremely long tool life.



Edge trimmer TruTool TKA 700



Technical data							
Bevel angles		30°		45°		60°	
Max. bevel length (ls)		ls	hs	ls	hs	ls	hs
Max. bevel height (hs)		ls	hs	ls	hs	ls	hs
Steel 58000	in	0.276	0.240	0.276	0.193	0.276	0.138
Steel 87000	in	0.146	0.122	0.146	0.098	0.146	0.071
Steel 11600	in	0.091	0.071	0.091	0.063	0.091	0.043
Aluminium 36000	in	0.394	0.256	0.394	0.252	0.394	0.197
Min. sheet thickness	in	0.059 + hs					
Smallest inner radius	in	0.709					
Smallest hole diameter Ø	in	1.378					
Working speed (max.)	ft/min	13.1					
Rated input power	W	1700					
Weight	lbs	8.6					
Length / height	in	15.6 / 5.9					

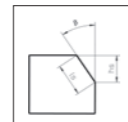
Scope of delivery (for version with 45° integrated blade wheel)

3 cutters CR (integrated), cutter mount 45° with integrated blade wheel, head key wrench, TORX - screwdriver, socket wrench, single head wrench, protective eyewear, box for small parts, TRUMPF Box M3

Product features

- Multi-edge cutter mount available for 0° and 15°-60° in increments of 5°, as well as for R2-R3-R4 radii
- Multi-edge cutters, can be turned 3 times
- Bevel lengths of up to 0.197 inch in one operation; bevel lengths of 0.197–0.276 inch require up to three working steps
- Reduced vibrations due to buffer elements in the gearbox, combined with a perfectly positioned handle
- Extremely compact 1700 watt motor, high power density

Edge trimmer TruTool TKA 1500



Technical data									
Bevel angles		30°		37.5°		45°		60°	
Max. bevel length (ls)		ls	hs	ls	hs	ls	hs	ls	hs
Max. bevel height (hs)		ls	hs	ls	hs	ls	hs	ls	hs
Steel 58000	in	0.591	0.512	0.591	0.476	0.591	0.417	0.591	0.295
Steel 87000	in	0.472	0.409	0.472	0.382	0.472	0.335	0.472	0.236
Steel 116000	in	0.394	0.343	0.394	0.319	0.394	0.280	0.394	0.197
Aluminium 36000	in	0.591	0.512	0.591	0.476	0.591	0.417	0.591	0.295
Min. sheet thickness	in	0.118 + hs							
Smallest inner radius	in	1.181							
Smallest hole diameter Ø	in	2.165							
Working speed (max.)	ft/min	4.9							
Rated input power	W	2600							
Weight	lbs	22							
Length / height	in	26.7 / 7.8							

Scope of delivery (for version with 45° integrated blade wheel)

4 cutters (integrated), cutter mount 45° with integrated blade wheel, hexagon wrench key set, guide fence, grease G3, protective eyewear, box for small parts, insertion aid, carrying case

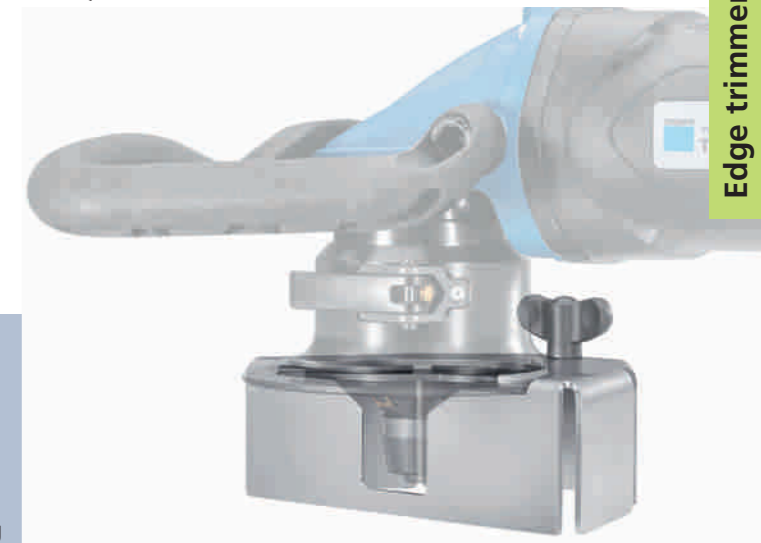
Product features

- Multi-edge cutter mount available for 30°, 37.5°, 45°, 60° and for R2-R3-R4 radii
- Multi-edge cutters, can be turned 4 times. Multi-edge cutter radius, can be turned 3 times
- Bevel lengths of up to 0.433 inch in one operation; bevel lengths of 0.433–0.591 inch require up to three working steps
- Smooth-running motor with high power. For comfortable working combined with high quality work
- Close to the processing surface: with the ergonomic guide and motor handle guidance is unrivalled well
- NEW:** guide fence for processing long, straight sheets. Simultaneously functions as chip protection.

# Simply get started

For our top-of-the-line edge trimmer TruTool TKA 1500, we now offer a guide fence for processing long, straight sheets. This makes the run-in to the sheet metal extraordinarily easy.

**A positive side effect:** the guide fence also serves as a practical protection against chips.



Advantages: edge trimmers

- No post-processing, dimensionally accurate bevel quality and uniform flange height
- No sparks
- Burr-free and oxide-free cutting area, with no emissions. Perfect preparation for subsequent coating
- High working speed
- Quick and tool-free setting of the chamfer length
- No sheet thickness limit
- Low feed force required

Video edge trimmers  
The machines in daily use



# We don't kick up dust



Our edge trimmers are extremely versatile. As with our bevellers, you can work without protective equipment, as flying sparks, smoke and dust are not an issue. Once the machine is set into the sheet metal, the workpiece bears the weight and the machine only has to be guided evenly along the edge by applying light pressure. The ergonomic handles are extremely helpful here.

## Beveller TruTool TKF 700



Technical data							
Bevel angles		30°		37,5°		45°	
Max. bevel length (ls)		ls	hs	ls	hs	ls	hs
Steel 58000	in	0.276	0.240	0.276	0.220	0.276	0.197
Steel 87000	in	0.224	0.193	0.224	0.177	0.224	0.157
Steel 116000	in	0.157	0.138	0.157	0.126	0.157	0.118
Sheet thickness	in	0.039–0.787					
Smallest inner radius	in	1.575					
Working speed (max.)	ft/min	4.9					
Rated input power	W	1700					
Weight	lbs	11.7					
Length / height	in	13.5 / 9.4					

## Scope of delivery:

Cutter standard, roller guide cpl., grip, TORX screwdriver, screwdriver SW 4, hex head wrench SW 5, grease gun G1, TRUMPF Box M3

## Product features

- 3 carriers for angles of bevel of 30°, 37.5° and 45°
- Ideal for working in confined spaces
- The round handle ensures smooth machine guidance
- Bevel height and sheet thickness easily adjustable without tools
- Cutting direction can be rotated 90° to the right or left

## Beveller TruTool TKF 1500/TKF 1500 with 2 speed



Technical data							
TruTool	TKF 1500	TKF 1500 with 2 speed					
Bevel angles	20°–45°	20°–45°		20°–45°		20°–45°	
Bevel angles with special stripper	20°–55°	20°–55°		20°–55°		20°–55°	
		1st gear		2nd gear			
Max. bevel length (ls)		ls	hs	ls	hs	ls	hs
Steel 58000	in	0.591	0.417	0.591	0.417	0.591	0.417
Steel 87000	in	0.354	0.252	0.433	0.307	0.354	0.252
Steel 116000	in	0.236	0.165	0.354	0.252	0.236	0.165
Sheet thickness max.	in	0.157					
Sheet thick. with adjustment set	in	0.157–6.300					
Smallest inner radius	in	2.165		2.165		2.165	
Working speed (max.)	ft/min	6.6		4.1		6.6	
Rated input power	W	2600		2600		2600	
Weight	lbs	36.4		43		43	
Length / height	in	21.8 / 14.2		23.9 / 14.2			

Bevel length (ls) for all bevel angles. Bevel height (hs) for 45°

## Scope of delivery:

Cutting tool standard, roll holder, grip socket, grip pipe, chip box, hexagonal screw M 10 x 20 and M 10 x 25, key AL 17, hex head wrench, punch and nibble oil for steel, tube grease S1, grease gun, setting gauge, carrying case

## Product features

- 1 carrier: angle of bevel continuously adjustable from 20°–55°
- The 2600 W motor ensures outstanding durability
- Very low power requirements for feed
- TKF 1500 with 2-speed gearbox: for customised processing of different materials
- Bevel height and sheet thickness easily adjustable

# Weld seams keep their promise

High-tensile weld seams have an important role to play. So it is important that they are prepared correctly to begin with. The surface of the edge must be oxide-free and geometrically uniform, the flange height and angle of bevel must be consistent throughout, and standard welding technology requirements must be satisfied.




## 10× faster

One operation, no post-processing. The machine often pays for itself after just one large order. The bevellers also save working time because the machines are extremely fast. For example, they are up to 10 times faster than angle grinders.

## Advantages: bevellers

- Weld seam preparation in one operation
- No sparks
- No rework
- Extremely fast working speed
- Emission-free and oxide-free cutting edges achieve bright metallic edges
- Low power requirements for feed
- Chamfer length remains consistent during processing

 Video bevellers  
The machines in daily use



Slat cleaner TruTool TSC 100



Technical data		
Support slat thickness	in	0.079–0.154
Max. slag thickness	in	0.984
Min. spacing between support slats	in	1.319
Working speed up to	ft /min	26.2
Rated input power	W	1700
Weight	lbs	39.7
Length /height	in	82.8/13.5

**Video slat cleaner**  
The machine in daily use



**Scope of delivery:**

Cleaning tool (no. 3 incl. seal), seal PUR 0.059 inch, handle, transport unit, hexagon head screw 0.157 and 0.236 inch, lubricating grease G1 (grease gun)

**Product features**

- Thoroughly removes slag, even on slats that are subject to high loads
- The multiple cleaning feature extends the service life of the slats. Saves up to 75% of costs
- Cleaning the slats regularly increases the process reliability time and the quality of the manufactured parts
- Single-person operation
- Cleaning parallel to production on laser cutting machines with pallet changer
- Independent of the manufacturer of the laser cutting machine; can be used on all common slats



# Expensive slats? Not ours.

Clean regularly - slats can be used up to 4x longer - save up to 75% of the costs. A perfect solution for rising material costs and existing procurement bottlenecks.

„TruTool TSC 100 has already paid for itself after the first use for our two pallet tables.“

Christian, Benjamin and Georg Stiegeler (from left to right)  
Stiegeler Metallbau GmbH (Germany)



# Switching is the best position

We offer maximum working comfort thanks to the vibration-dampening handle. With the large number of holding positions on the machine head and on the handle, you have the option of varying the holding position while working. This provides relief and ensures high efficiency.



Part separator TruTool PS 100



Technical data		
Connecting thread	"	¼
Air consumption at 6 bar	cfm	2–4
Max. operating pressure	psi	87
Scrap skeleton thickness (max.)	in	0.472
Stroke rate (from - to)	1/min	500–1500
Weight (without hose and connector)	lbs	2.6
Length / height	in	3.46 / 8.78

**Video part separator**  
The machine in daily use



**Scope of delivery:**

Compressed air connection ISO (integrated), compressed air connection ARO, hammer insert standard (integrated), allen key DIN 911-5 and DIN 911- 6

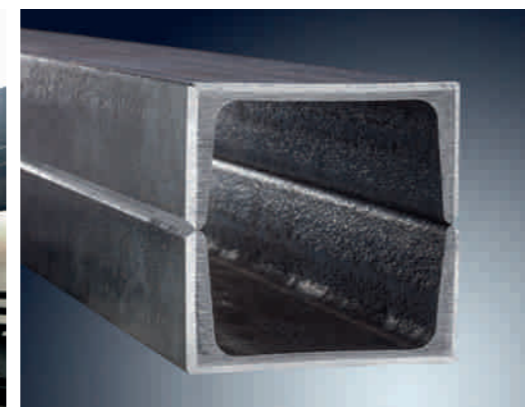
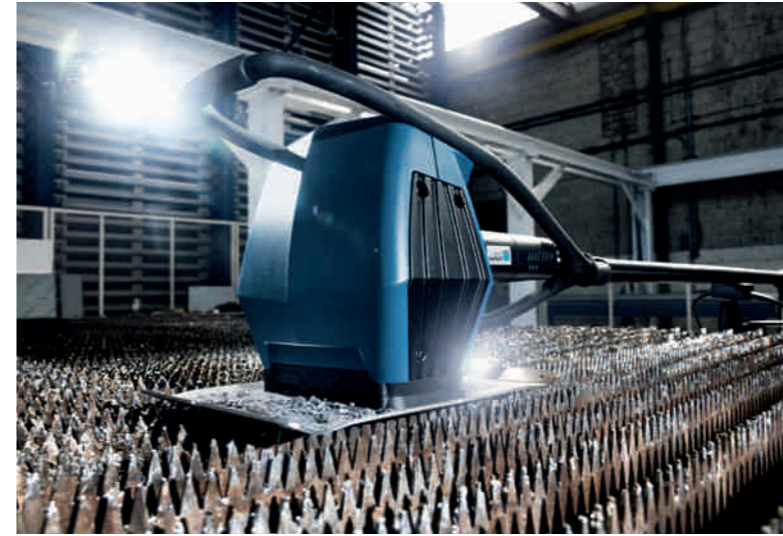
**Product features**

- Removal of laser-cut small parts from the scrap skeleton
- Up to 10x faster than manual removal
- Separates nanojoint and microjoint connections up to 0.472 in
- Ergonomic and user-friendly: The machine can be guided at the machine head and the handle
- Option of changing holding positions; avoids remaining in one position
- With the rubberized hammer tip, there is no tilting or damage during removal

Part separator

# The machines in operation

In machine, railroad car, and ship construction, TRUMPF edge trimmers and bevellers are just as established as in steel construction and job shops. The slat cleaner is our specialist for clean slats and can be used on almost all CO<sub>2</sub> and 2D laser cutting machines, regardless of manufacturer. By using the part separator, you can remove small parts from the scrap skeleton.



# Also of interest:

## Thick sheet nibbler for thicknesses of up to 0.197 in



### Thick sheet Nibbler TruTool N 500

The thick sheet nibbler is unique in its range and offers you the option of cutting in four directions, including backwards. Ideal for work in hard-to-reach areas, for cuts across edges and weld seams. You can even use it to shred scrap skeletons quickly and easily. This makes the disposal of scrap material much easier and ensures optimal use of the disposal containers.

### Order numbers

Here you find all order numbers

Edge trimmers	DE	CH	GB	USA
TruTool TKA 700 with 45° tool	2622918	2622920	2623082	2623084
TruTool TKA 700 without tool	2622919	2623081	2623083	2623085
TruTool TKA 1500 with 45° tool	2743892	2743894	2743895	2744091
TruTool TKA 1500 without tool	2744092	2744096	2744097	2744099
Bevellers	DE	CH	GB	USA
TruTool TKF 700 bevel angel 30°	2574824	2598685	2598686	2598687
TruTool TKF 700 bevel angel 37.5°	2598701	2598702	2598703	2598704
TruTool TKF 700 bevel angel 45°	2598707	2598708	2598709	2598710
TruTool TKF 1500	2606420	2606421	2606422	2606423
TruTool TKF 1500 with 2 speed	2606424	2606425	2606426	2606427
Slat cleaner	DE	CH	GB	USA
TruTool TSC 100	2574740	2598580	2598601	2598602
Part separator	Worldwide			
TruTool PS 100	2782209			
Nibbler	DE	CH	GB	USA
TruTool N 500	2574823	2598625	2598626	2598627

### Legend

You can find the symbols on the machine pages

- Quick & Easy**  
Quick and easy tool change
- Turnable and regrindable several times**  
Cutting tools up to 4-fold turnable and regrindable. For long service
- Low-vibration**  
Minimal vibration values and highest user friendliness
- Safety clutch:** Safe working by decoupling the power unit in case of unexpected tool stop
- Restart protection**  
Prevents unwanted starting after power interruptions

- Overload protection**  
Protects the motor from over-heating
- Softgrip:** Ensures optimum and convenient machine control and minimizes vibration
- Speed governor**  
Adjustable speed for material-specific working and perfect results
- Smooth start**  
Ergonomic work through smooth starting
- Pneumatic drive**  
Compressed air as drive medium

# Our drive: Passion

Whether production and manufacturing technology, laser technology or material processing: We develop highly innovative products and services that are industrial quality and proven absolutely reliable. We give it our all to achieve competitive advantages for you: Know-how and experience.



Visit us on YouTube:  
www.youtube.com/TRUMPFtube



### Lasers for manufacturing technology

Whether macro, micro or nano: We have the right lasers and the right technology that is innovative and at the same time cost-efficient for every production application. Beyond the technology, we provide you with system solutions, application knowledge and consulting.



### Power supplies for high tech processes

From semiconductor manufacturing to solar cell production: With our high and medium frequency generators, power for induction heating and plasma and laser excitation receives a defined form consisting of frequency and power – that is highly reliable and repeatable.



### Machine tools for flexible sheet metal- and tube processing

Laser cutting, punching, bending, laser welding: For all processes in flexible sheet metal production, we offer you precisely tailored machines and automation solutions, including consulting, software and services – so you can reliably produce your products in high quality



### Power tools for metal processing

Cutting, fastening, bevelling: Our power tools offer the most innovative technology and the highest quality. Original accessories and a free 5-year warranty provide extra security. Whether on construction sites or in job shops: High-quality and long-lasting machines are our quality promise.



### Industry4.0

The solutions world TruConnect connects man and machine through information. It covers all steps in the manufacturing process – from quote to the shipment of parts.



TRUMPF is certified according to ISO 9001  
(further informations see: [www.trumpf.com/s/quality](http://www.trumpf.com/s/quality))

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