

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 cleaners and part separator are perfect additions to laser cutting machines.

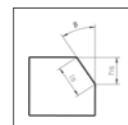
Your requirements. Our machines.

Requirements	TKA 700	TKA 1500	TKF 700	TKF 1500	TSC 100 TSC 200	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 cleaners PS = Part separator



Edge trimmer TruTool TKA 700



Technical data							
Bevel angles		30°		45°		60°	
Max. bevel length (ls)		ls	hs	ls	hs	ls	hs
Steel 400 N/mm ²	mm	7	6.1	7	4.9	7	3.5
Steel 600 N/mm ²	mm	3.7	3.1	3.7	2.5	3.7	1.8
Steel 800 N/mm ²	mm	2.3	1.8	2.3	1.6	2.3	1.1
Aluminium 250 N/mm ²	mm	10	6.5	10	6.4	10	5
Min. sheet thickness	mm	1.5 + hs					
Smallest inner radius	mm	18					
Smallest hole diameter Ø	mm	35					
Working speed (max.)	m/min	4					
Rated input power	W	1700					
Weight	kg	3.9					
Length / height	mm	397/149					

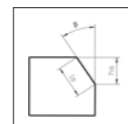
Scope of delivery (for version with 45° integrated blade wheel)

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 5 mm in one operation; bevel lengths of 7 mm require a second operation
- 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
Steel 400 N/mm ²	mm	15	13	15	12.1	15	10.6	15	7.5
Steel 600 N/mm ²	mm	12	10.4	12	9.7	12	8.5	12	6
Steel 800 N/mm ²	mm	10	8.7	10	8.1	10	7.1	10	5
Aluminium 250 N/mm ²	mm	15	13	15	12.1	15	10.6	15	7.5
Min. sheet thickness	mm	3 + hs							
Smallest inner radius	mm	30							
Smallest hole diameter Ø	mm	55							
Working speed (max.)	m/min	1.5							
Rated input power	W	2600							
Weight	kg	10							
Length / height	mm	679/197							

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

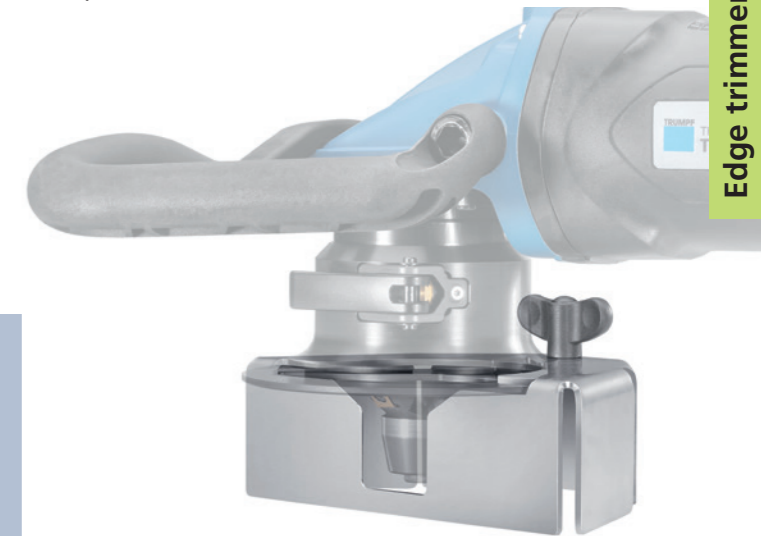
Product features

- 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 11 mm in one operation; bevel lengths of 15 mm require a second operation
- 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
- 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- 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 400 N/mm ²	mm	7.0	6.1	7.0	5.6	7.0	5.0
Steel 600 N/mm ²	mm	5.7	4.9	5.7	4.5	5.7	4.0
Steel 800 N/mm ²	mm	4.0	3.5	4.0	3.2	4.0	3.0
Sheet thickness	mm	1 - 20					
Smallest inner radius	mm	40					
Working speed (max.)	m/min	1.5					
Rated input power	W	1700					
Weight	kg	5.3					
Length/height	mm	342 / 240					

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°	
Bevel angles with special stripper		20°-55°		20°-55°		20°-55°	
				1st gear		2nd gear	
Max. bevel length (ls)		ls	hs	ls	hs	ls	hs
Steel 400 N/mm ²	mm	15	10.6	15	10.6	15	10.6
Steel 600 N/mm ²	mm	9	6.4	11	7.8	9	6.4
Steel 800 N/mm ²	mm	6	4.2	9	6.4	6	4.2
Sheet thickness	mm	4 - 40		4 - 40		4 - 40	
Sheet thick. with adjustment set	mm	40 - 160		40 - 160		40 - 160	
Smallest inner radius	mm	55		55		55	
Working speed (max.)	m/min	2		1,25		2	
Rated input power	W	2600		2600		2600	
Weight	kg	16.5		19.5		19.5	
Length / height	mm	554 x 360		607 x 361			

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 6 mm, 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: 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.




10x 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

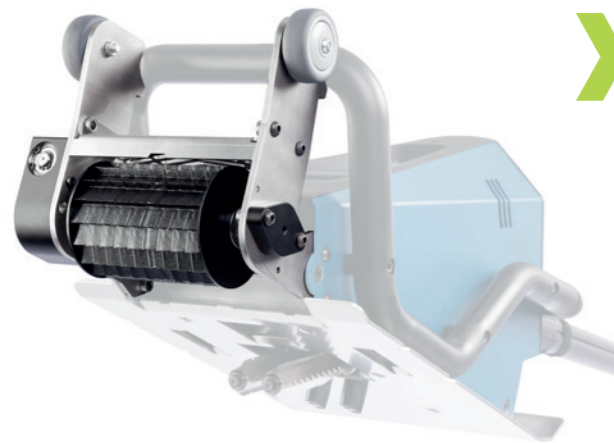
- Weld seam preparation in one operation
- No sparks
- No rework
- Extremely fast working speed
- Emission- and oxide-free cutting edges achieve bright metallic edges
- Low power requirements for feed
- Chamfer length remains consistent during processing

 Video bevellers
The machines in daily use



The powerful new tool against hard slag

Discover the TruTool TSC 200 – your must-have helper for fiber lasers with high power and hard slag. You can of course also easily clean CO₂ laser slats with it. The innovative slat cleaner effortlessly deals with slag thicknesses of up to 25 mm, independent of the composition and slat layout of the pallet table. An integrated roller serves as a means of transportation to the laser machine. Moreover, it does not have to be removed for cleaning. The highly effective cleaning tool ensures optimal cleaning results and increases the feed rate. Prepare your laser machine for peak power with the TruTool TSC 200.



UNIQUE: The feed drive

- Comfortable work without exertion. Use the optional feed drive when you are cleaning particularly thick slag over 15 mm or a tough material mixture.
- Assembly takes place directly on the TruTool TSC 200 and is driven via the motor.
- This means that no additional fixtures need to be attached to the laser and the machine can simply be guided via the slats.

Cleaning tools

- Perfect for hard slag: it first performs a coarse cleaning followed by fine cleaning
- High durability: if wear marks are no longer visible, the cleaning tool can be rotated once by 180° and used again
- Quick&Easy: tool-free, quick tool change



Work comfortably

The slide plate of the TruTool TSC 200 ensures smooth machine guidance and also prevents the slats and machine from being tilted, which protects the motor and slats. The electronic box informs the operator of maintenance intervals, such as upcoming tool changes or necessary maintenance. The TruTool TSC 200 is also a leader in its class when it comes to reducing noise and vibration emissions. Work more comfortably and efficiently with the TruTool TSC 200.

TRUTOOL TSC 200 AT A GLANCE

1. For fiber lasers with high laser power and hard slag (up to 25 mm)
2. Newly designed cleaning tool with roughing and finishing function
3. Simple machine operation: ergonomic, secure and quick work
4. High durability of the cleaning tool, rotates 180° for longer life
5. Feed drive for cleaning slag thicknesses over 15 mm

Real savings

Clean regularly – slats last up 4x longer on average - if not more - work sustainably and save up to 75% of costs.

Nice and quick

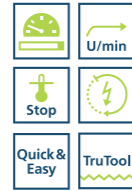
To clean a standard pallet (1500 x 3000 mm) with partial loading, it requires 15 minutes on average.



Slat cleaner TruTool TSC 200



NEW



Technical data		
For laser power	W	> 6000
Support slat thickness	mm	2 - 4
Max. slag thickness	mm	25*
Min. spacing between support slats	mm	33,5
Working speed up to	m/min	8
Rated input power	W	1700
Service indicator		yes
Weight	kg	19,8
Length / height	mm	2002/430

* for > 15 mm slag: work with the optional feed drive

Video slat cleaner
The machine in daily use

Scope of delivery

3 mm tool (for slat thickness 3 - 4 mm), slide plate, handle bar, lubricating grease G1 250 g, lubricating grease G1 (grease gun)

Product features

- Can be used on CO₂ and SSL 2D laser cutting machines > 6000 W
- Especially suitable for hard slag and mixed slag
- Cleaning process: rotating 2-stage cleaning with roughing and finishing blades
- Electronic box for active support of tool change and service intervals
- Integrated roller for simple transportation to/from the laser cutting machine. Disassembly not required for cleaning. Also increases the feed rate.

Slat cleaner TruTool TSC 100



Technical data		
For laser power	W	< 10000
Support slat thickness	mm	2 - 6,9
Max. slag thickness	mm	25
Min. spacing between support slats	mm	33,5
Working speed up to	m/min	8
Rated input power	W	1700
Service indicator		yes
Weight	kg	18
Length / height	mm	2104/342

Video slat cleaner
The machine in daily use

Scope of delivery:

Cleaning tool no. 3 incl. seal, seal with function monitoring (1x installed, 1x supplied), slide plate, spacer plate (installed), transport device, allen key 4 mm and 6 mm, lubricating grease G1 (grease gun)

Product features

- Can be used on CO₂ and SSL 2D laser cutting machines < 10000 W
- Cleaning process: the slag is scraped off in an even upward motion
- Intelligent monitoring system for exchanging the seal
- The transport device facilitates simple transportation to/from the laser cutting machine. And is very easy to remove for cleaning

General advantages of the TruTool TSC 100 and TSC 200 slat cleaner

- The multiple cleaning feature extends the service life of the slats. Save up to 75% of costs
- Slats that are cleaned regularly increase process reliability and the quality of the parts produced
- Automatically adapts to different slag thicknesses up to 25 mm
- No removal of the slats required and cleaning can be done parallel to production
- The long machine handle facilitates effortless and economic 1-man operation
- Can be used universally on all straight slats, regardless of the manufacturer of the laser cutting machine



Part separator TruTool PS 100



Technical data		
Connecting thread	"	¼
Air consumption at 6 bar	m ³ /min	0.06 - 0.12
Max. operating pressure	bar	6
Scrap skeleton thickness (max.)	mm	12
Stroke rate (from - to)	1/min	500 - 1500
Weight (without hose and connector)	kg	1.2
Length / height	mm	88 x 223

Video part separator
The machine in daily use

Scope of delivery:

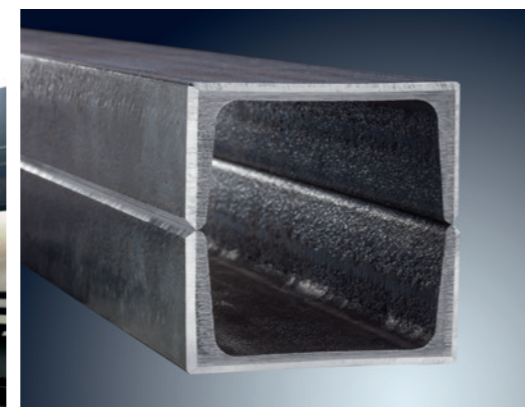
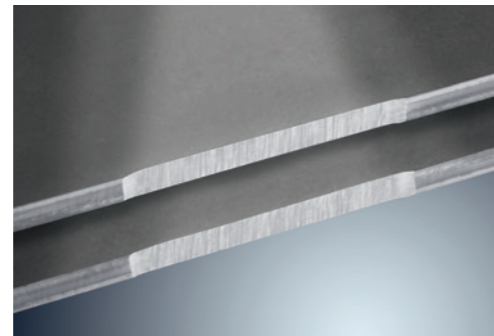
Compressed air connection ISO (integrated), compressed air connection ARO, hammer insert standard (integrated), allen key DIN 911-5 mm and 6 mm

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 12 mm
- 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

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 cleaners are our specialists for clean slats and can be used on almost all CO₂ 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 5 mm



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 trimmer	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
Beveller	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
TruTool TSC 200 (without feed drive)	2816095	2843397	2843399	2843398
Part separator	Worldwide			
TruTool PS 100	2782209			
Nibbler	DE	CH	GB	USA

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.

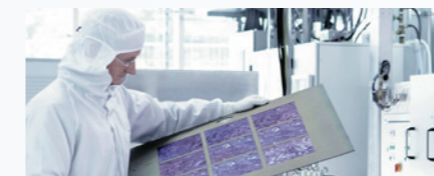


Visit us on YouTube:
www.youtube.com/TRUMPFtube



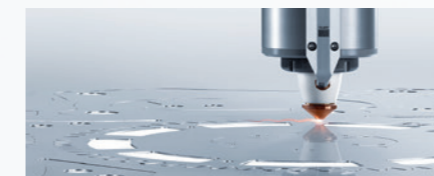
Lasers for manufacturing technology

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.



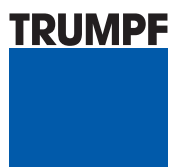
Industry4.0

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.

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