

## The right innovation for every industry

Professional sheet metal fabricators in many industries around the world rely on user-friendly power and battery tools by TRUMPF. Our products convince not only by their high quality "made in Switzerland", but also by the latest technology. As the world's leading manufacturer of manufacturing technology, TRUMPF stands for innovation on a high level. Benefit from our cross-industry application know-how in the field of power tools.

### Steel and metal construction

Easily achieve true-to-size and visually appealing results in steel and metal construction: With our deburrers and the TRUMPF bevellers you can prepare components with clean visible edges, remove burrs cleanly and thoroughly and prepare materials for painting & galvanizing or prepare weld seams.

## Roof and building envelope

Reduce physical strain when working on the roof and on the facade with ergonomic, optimally balanced tools. With the TRUMPF nibblers, slitting shears, shears and the panel cutter, you can cut easily and accurately.

#### **Automotive plants**

Do you rightly aspire to use products flexibly from batch size one or more and up to process project-specific components? Use the TRUMPF deburrers, e.g. to create weld seams to contours.

## Container and machinery construction

Water tightness is a basic prerequisite in the construction of tanks or containers. With the TRUMPF beveller you can save a lot of time and money, since you get safe, high-quality seams without reworking.

## Heating / ventilation / air conditioning

In the field of heating, air conditioning and ventilation, you can work quickly, precisely and with consistently high quality even in inaccessible places. Thereby use our shears, slitting shears, seam lockers and power fasteners, without the requirements of hot works permits.

#### Tank removal / demolition / disassembly

TRUMPF has developed its demolition nibbler specially for continuous use in dismantling and disassembly works. This allows you to safely and reliably separate sheet metal thicknesses up to 10 mm – without emissions and flying sparks.



#### **Cordless Alliance System**

Benefit from 100% compatibility with machines, CAS rechargeable battery packs and rechargers from various manufacturers work in this one system. CAS provides the most efficient rechargeable battery system in the industry from Metabo and over 30 years of experience in rechargeable batteries which is now also available for TRUMPF Power Tools. How do you benefit from this? Highest degree of reliability, clear cost advantages and top investment security.



Cordless Alliance System

## 26 brands, 280 machines, 1 battery

Cordless Alliance System (CAS) is a group of leading electric power tool brands, offering you a large selection of powerful machines. You can easily combine the 18V rechargeable batteries and chargers together. The comprehensive system emphasises sustainability and makes it possible for you to greatly reduce the number of rechargeable batteries in your company.



#### 100% compatible

Everything works together: 18V battery-powered machines, rechargeable batteries and chargers from any brand. Clear cost advantage thanks to multiple use of existing rechargeable batteries. No matter if it is Li-lon or LiHD technology, 2.0 Ah, 4.0 Ah, 5.2 Ah, 5.5 Ah, 8.0 Ah or 10.0 Ah.



#### Twice the freedom

CAS means you do not have to depend on cables. You can use machines from different manufacturers with one rechargeable battery.



#### Leading rechargeable battery technology

CAS represents a sophisticated rechargeable battery system that you can rely on for standard and special applications.



One batterie, many solutions. 100% compatible.





6 Process and product groups airtoolservices.co.uk Electric- and cordless tools Electric- and cordless tools 5

## Processes and product groups



# Product groups and applications

DUCT GROUPS	С	S	N	PN	TPC	F	TF	TKA	TKF	FCN
Chamfering										
Slat cleaning										
Make notches										
Process containers and tanks										
Trimming										
Cutting fiber composite materials										
C-L-U profile cutting										
Make coils cuts										
Cut flat sheet metal										
Secure flanges										
Interior cutouts										
Close ducts										
Cut ducts										
Deburr edges	_									
Prepare edges for painting / galvanizing			1							
Process plastic materials										
Cut manholes										
Sandwich panels Windows / doors / interior cutouts										
Cut sandwich panels										
Close fan housings										
Cuts over splays, doubled sheet metals and weld seams										
Weld seam preparation	_		1							
Create visible edges	_	-	-							
Front edge milling	-	-	-							
Joining parts	_	-	-							
Cut trapezoidal sheet metal		1								
Cut corrugated sheet metal		-	1							
Cut spiral ducts	1	-	1	1						
Close angle and standing seams	-	-	-							
Container and machinery construction	1		1	1		1		1		1
Roof and building envelope	1		1	1						
Automotive plants	-		-						_	l —
Heating / ventilation / air conditioning	-		-		_	_				
Aerospace										
Machine construction	-		-					_		
Steel and metal construction			-							
Sport industrie	-		-							_

## Product overview

#### PRODUCTS ACCORDING GROUPS C Slitting shears S Shears Cutting TruTool C 200 LiHD battery 12V with chip clipper LiHD battery 12V LiHD battery 12V LiHD battery 12V TruTool C 250 TruTool S 250 TruTool S 250 with chip clipper with chip clipper LiHD battery 18V LiHD battery 12V TruTool S 450 Fastening F Seam lockers TruTool F 125 TruTool F 140 TruTool F 300 TruTool F 300 TruTool F 301 with 1700 W motor Bevelling TKA Deburrers TruTool TKA 700 TruTool TKA 1500

## Product overview





#### Akku









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Electric- and cordless tools

Electric



TruTool C 250 with chip clipper

CAS
40



TruTool C 250 with chip clipper LiHD battery 18V

Technical data									
Slitting shears TruTool		C 160 * with	battey 12V / h chip clipper attey 12V		C 200 ** LiHD battery 18V				
		Cutter straight	Cutter CR	Set Spiro	Set HighSpeed	Set CR			
		1–1.6 mm	0.5-1.2 mm						
Max. sheet thickness									
Steel 400 N/mm²	mm	1,6			1,5 – 2				
Steel 600 N/mm²	mm		1,2			1,5			
Aluminium 250 N/mm²	mm	2			3				
Spiral ducts 400 steel N/mm²	mm		4 x 0,75	4 x 0,9 / 6 x 0,6					
Spiral ducts 600 steel N/mm²	mm			4 x 0,6					
Working speed up to	m/min	10	10	10	15	10			
Min. start hole diameter	mm	15	15	8	20	18			
Smallest radius (L/R)	mm	90/90	160/160	80/110	80/100	80/100			
Tension	V		12		18				
Weight with battery	kg	1	1,5	2,4					
Length / height	mm	357	7/88		394/119				

<sup>\*</sup> More cutters available: Cutter straight up to 1 mm. Curve cutter up to 1 mm \*\* More cutters available: Set HighQuality, set thin sheet, set curves

Technical data									
Slitting shears TruTool		C 250 with chip clipper * / C 250 with chip clipper LiHD battery 18V *							
		Cutter straight	Cutter CR	Cutter SC					
		1.5-2.5 mm	>1.5 mm						
Max. sheet thickness									
Steel 400 N/mm²	mm	2,5							
Steel 600 N/mm²	mm		1,5						
Aluminium 250 N/mm²	mm	3							
Spiral ducts 400 steel N/mm²	mm			4 x 0,9 / 6 x 0,6					
Spiral ducts 600 steel N/mm²	mm			4 x 0,6					
Working speed up to (electric)	m/min	10	10	10					
Min. start hole diameter	mm	22	20	18					
Smallest radius (L / R)	mm	100/130	100 /100	150					
Rated input power	W		550						
Voltage	V		18						
Weight	kg		2,1						
Weight with battery	kg		2,5						
Length / height (electro)	mm		340/82						
Length / height (battery)	mm		398/119						

 $<sup>^{\</sup>star}$  More cutters available: Cutter straight up to 1,5 mm. Curve cutter up to 1,5 mm



Cutting – Nibblers 13



- Chip-free cutting
- Clear view of the work surface and cutting line
- Best possible flexibility in curves
- Fast, precise cutting, even in overhead position
- Minimum force required thanks to optimum cutting geometry



- Cutting without feed force
- Clear view of the work surface

Electric- and cordless tools

- Hollow round punch for the greatest manoeuvrability
- Rectangular punch for the highest level of profile flexibility





TruTool S 250







TruTool S 450

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#### **Battery**





Electric- and cordless tools

TruTool S 114 LiHD battery 12V





TruTool S 250 LiHD battery 18V

Technical data						
Shears TruTool		S 250	S 450	S 114 LiHD battery 12V	S 160 LiHD battery 12V	S 250 LiHD battery 18V
Max. sheet thickness						
Steel 400 N/mm²	mm	2.5	4.5	1.6	1.6	2.5
Steel 600 N/mm²	mm	2	3.5	1	1.2	2
Steel 800 N/mm²	mm	1.5	2.5			1.5
Aluminium 250 N/mm²	mm	3	5	2	2	3
Spiral ducts steel 400 N/mm²	mm			4 x 0.75		
Spiral ducts steel 600 N/mm²	mm			4 x 0.5		
Working speed up to	m / min	7	6	13	9	7
Min. start hole diameter	mm	28	75		28	28
Smallest radius	mm	20	R 35 / L 25	60	16	20
Minimal tube diameter	mm			50		
Throat depths	mm			30		
Rated input power	W	550	1700			
Voltage	V			12	12	18
Weight without cable	kg	2.2	6.2			
Veight with battery	kg			1.8	1.7	2.6
Length / height	mm	279 x 155	334 x 280	380 x 95	295 x 156	337 x 201

#### Electric













TruTool N 350



TruTool N 700

#### **Battery**





TruTool N 160 LiHD battery 12V



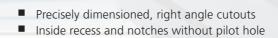
TruTool N 200 LiHD battery 18V

Technical data									
Nibbler		N 200	N 350	N 500	N 700	N 1	1000	N 160	N 200
TruTool						1 <sup>st</sup> gear	2 <sup>nd</sup> gear	LiHD battery 12V	LiHd battery 18V
Max. sheet thickness									
Steel 400 N/mm <sup>2</sup>	mm	2	3.5	5	7	10	8	1.6	2
Steel 600 N/mm <sup>2</sup>	mm	1.5	2.3	3.2	5	7	5	1	1.5
Steel 800 N/mm²	mm	1	1.8	2.5	3.5	5	4	0.7	1
Aluminium 250 N/mm²	mm	2.5	3.5	7	10	12	10	2	2.5
Working speed	m/min	1.7	1.4	1.5	1.3	1.1	1.7	2.2	1.6
Min. start hole diameter	mm	17	30	41	50	75	75	22	17
Smallest radius	mm	4	7	90	140	300	300	24	4
Rated input power	W	550	1700	1700	1600	2600	2600		
Voltage	V							12	18
Weight without cable	kg	1.8	3.7	4	8.3	14	4.7		
Weight with battery	kg							1.6	2.2
Length / height	mm	267 x 155	397 x 227	397 x 235	468 x 319	645	x 301	307 x 170	325 x 201



- Distorsion free cutting process
- High curve and profile flexibility
- Change cutting directions at any time
- No oxide formation on the cutting edge
- Tool-free changing of punches and die carriers

Electric- and cordless tools



- drilling thanks to insertion mechanism ■ Work completed in one operation, without finishing work
- Cuts pre-assembled panels

Electric- and cordless tools

■ Easy to operate without tiring you out



#### Electric



TruTool PN 200



TruTool PN 201



-IO	ctric
LIC	cuic



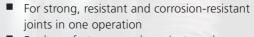
TruTool TPC 165

Technical data						
Profile nibblers TruTool		PN 200	PN 201	N 160 with extension LiHD battery 12V	PN 200 LiHD battery 18V	PN 201 LiHD battery 18V
Max. sheet thickness						
Steel 400 N/mm²	mm	2	2	1.6	2	2
Steel 600 N/mm²	mm	1.5	1.5	1	1.5	1.5
Steel 800 N/mm²	mm	1	1	0.7	1	1
Aluminium 250 N/mm²	mm	3	3	2	3	3
Working speed	m/min	2.1	2.2	1.9	1.9	1.9
Min. start hole diameter	mm	24	24	22	24	24
Smallest radius	mm	50	50	24	50	50
Rated input power	W	550	550			
Voltage	V			12	18	18
Weight without cable	kg	1.8	2			
Weight with battery	kg			1.8	2.3	2.4
Length / height	mm	267 x 147	267 x 317	307 x 280	325 x 194	325 x 363

Panel Cutter		TPC 165
TruTool		
Max. panel thickness	mm	165
Single sheet thickness for steel 400 N / mm <sup>2</sup>	mm	0.9
Isolation material		Polyurethane, polyisocyanurate foam (PUR / PIR)
Smallest possible opening created by piercing	mm	340 x 340
Working speed	m/min	4
Rated input power	W	1700
Cutting width	mm	4
Weight without cable	kg	9.6
Length / height	mm	493 x 231
Length / height with blade	mm	493 x 437



- Closing Pittsburgh seam and automatic adjustement to sheet thickness (except TruTool F 125)
- Cost-effective seam closure, at the installation
- Constant seaming result on straight and curved
- Quick, consistently tight seam closure
- Reduced-noise, vibration-free closing



- Replaces fasteners such as rivets and screws
- Unbeatably fast process
- Joining of different materials, as well as coated and uncoated workpieces
- Minimal setup time



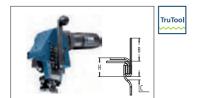
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Electric





TruTool F 300 with 1700 W motor



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Technical data						
Seam lockers TruTool		F 125	F 140	F 300	F 300 with 1700 W motor	F 301
Max. sheet thickness						
Steel 400 N/mm² (min.)	mm			0.75	0.75	0.45
Steel 400 N/mm² (max.)	mm	1.25	1.4	1.25	1.25	1
Steel 600 N/mm² (max.)	mm		0.6			
Max. edge thickness	mm	5				
Edge length (H)	mm	40	10-15			
Flange height (B):						
For sheet thickness 0.75-1	mm			9-11	9-11	
For sheet thickness >1-1.25	mm			11–13	11-13	
For sheet thickness 0.45-1	mm					8-11
For sheet thickness 0.6-1	mm		8-10			
For sheet thickness >1-1.4	mm		10-12			
Clearance (C)	mm		2.5			
Working speed up to	m / min	6	10	7	10.5	4
Smallest inner radius (preformed)	mm		300	150	150	150
Smallest outer radius	mm		500	300	300	300
Rated input power	W	550	550	550	1700	550
Weight without cable	kg	2.8	4.2	5.4	6.5	5.2
Length / height	mm	285 x 356	285 x 391	285 x 406	321 x 257	285 x 358

#### Electric



**Battery** 





TruTool TF 350 LiHD battery 18V

Technical data				
Power fasteners TruTool		TF 350	TF 350 LiHD battery 18\	
Max. sheet thickness				
Steel 400 N/mm²	mm	3.5	3.5	
Steel 600 N/mm²	mm	2.5	2.5	
Aluminium 250 N/mm²	mm	4	4	
Minimum sheet thickness	mm	0.8	0.8	
Maximum locking power	kN	25	25	
Max. stroke power	1/s	2	2	
Edge distance	mm	8-58	8-58	
Straight flange height maximum	mm	36	36	
Rated input power	W	1700		
Voltage	V		18	
Weight without cable	kg	8.3		
Weight with battery	kg		7.8	
Lenath / height	mm	426 x 358	454 x 358	



- Fast, emission-free process
- Clean, oxide-free edge surfaces
- Accurate, constant edge quality in one step

Electric- and cordless tools

- Tool-free and quick adjustment of the bevel
- For chamfers with 0° and 15° 60° (in increments of 5°). Apply round edges with 2, 3 or 4 mm radii.

### ■ Emission- and oxide-free edges for heavy-duty

- Welding seam preparation in a single step, no reworking
- High working speed
- Various angle adjustments
- Tool-free change of cutting tools



#### Electric





#### Electric





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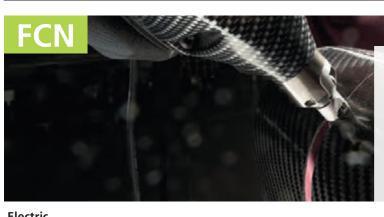
TruTool TKF 1500 with 2 speed

Technical data														
Deburrer TruTool			TKA 700						TKA 1500					
Bevel angles			30°		45°		60°		30°		45°		60°	
Max. bevel length (Is) Max. bevel height (hs)		ls	hs	ls	hs	ls	hs	ls	hs	ls	hs	ls	hs	
Steel 400 N/mm²	mm	7,0	6,1	7,0	4,9	7,0	3,5	15	13	15	10,6	15	7,5	
Steel 600 N/mm²	mm	3,7	3,1	3,7	2,5	3,7	1,8	12	10,4	12	8,5	12	6	
Steel 800 N/mm²	mm	2,3	1,8	2,3	1,6	2,3	1,1	10	8,7	10	7,1	10	5	
Aluminium 250 N/mm²	mm	10	6,5	10	6,4	10	5	15	13	15	10,6	15	7,5	
Min. sheet thickness	mm			1,5	+ hs			3 + hs						
Smallest inner radius	mm			1	8					3	80			
Smallest hole diameter	mm			3	5					5	55		-	
Working speed	m/min			4	4					1	,5			
Rated input power	W	1700					26	500						
Weight without cable	kg	3,9			10									
Length / height	mm			397	x 149			679 x 197						

Technical data																			
Bevellers TruTool		30° 37.5° 45°		TKF 1500 20°-45° *20°-55°		TKF 1500 with 2 speed													
										Bevel angles		20°-45° *20°-55°		20°-45° *20°-55°					
																1 <sup>st</sup> gear		2 <sup>nd</sup> gear	
Max. bevel length (ls)						ls	hs	ls	hs							ls	hs	ls	hs
Max. bevel height (hs)																			
Steel 400 N/mm <sup>2</sup>	mm	7	5,0	15	10,6	15	10,6	15	10,6										
Steel 600 N/mm <sup>2</sup>	mm	5,7	4,0	9	6,4	11	7,8	9	6,4										
Steel 800 N/mm²	mm	4	3,0	6	4,2	9	6,4	6	4,2										
Sheet thickness	mm	1–20		4-160		4-160		4-160											
Smallest inner radius	mm	40		55		55		55											
Working speed	m/min	1,5		2		1,25		2											
Rated input power	W	1700		2600		2600		2600											
Weight without cable	kg	5,3		16,5		19,5		19,5											
Length / height	mm	342 x 240		554 x 361		607 x 361													

<sup>\*</sup> Bevel angles with special stripper



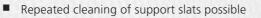


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Low dust and no smoke formation during

Electric- and cordless tools

- Perfect cutting edge, without delamination and fraying
- Precise work, clear view of the cutting line
- Cuts all common fiber composite materials, even aramid



- Suitable for various materials, including stainless
- Simultaneous cleaning on flatbed laser machines with pallet changer
- Can be operated by one person



#### Electric



#### Electric



TruTool TSC 100

Technical data							
Fiber composite nibbler	FCN 250						
TruTool							
Max. material thickness CFRP / GFRP / AFRP	mm	2.5					
Start hole diameter	mm	17					
Smallest radius	mm	4.3					
Working speed up to	m / min	1.9					
Rated input power	W	550					
Weight without cable	kg	1.8					
Length / height	mm	267 x 155					

 $<sup>{\</sup>rm *CFRP = carbon-fiber-reinforced\ plastic\ /\ GFRP = glass-fiber-reinforced\ plastic\ /\ AFRP = aramid-fiber-reinforced\ plastic\ /\ AFRP = aramid-fib$ 

Technical data						
Slat cleaner	TSC 100					
TruTool						
Support slat thickness	mm	2-3,9				
Max. slag thickness	mm	25				
Min. spacing between support slags	mm	33.5				
Working speed up to	m/min	8				
Rated input power	W	1700				
Weight without cable	kg	18				
Length / height	mm	2104 x 342				



Legend

You can find the symbols on the machine pages



#### LiHD Technology

Battery-powered machines with 12V drive.



#### LiHD Technology

Battery-powered machines with 18V drive.



#### Brushless moto

Low-wear and tear motor for maximum longevity.



#### Quick & Easy

Quick and easy tool change.



#### Several times rotatable

The cutters can be turned twice and ensure a long service life.



#### Several times rotatable

The cutters can be turned 4 times and ensure a long service life.



#### Turnable and regrindable several times

Cutting tools up to 2-fold turnable and regrindable. For long service life.



#### Turnable and regrindable several times

Cutting tools up to 4-fold turnable and regrindable. For long service life.



#### Low-vibration

 $\label{thm:model} \mbox{Minimal vibration values and highest user friendliness.}$ 



#### Rotating punch

Ensures regular wear and long service life.



#### Light-weight

Low machine weight for low-fatigue work.



#### Integrated lubrication

For a constant cutting quality and long tool service life.



#### Quick-acting brake

Safe working due to fast tool stop.



#### Softgrip

**Speed governor**Adjustable speed for material-specific working and perfect results.

Ensures optimum and convenient machine control and minimizes vibration.



#### .. . .

Ergonomic work through smooth starting.



#### Overload protection Protects the motor from over-heating.

**Restart protection** 

Prevents unwanted starting after power interruptions.



#### Optimum protection

Avoidance of hazardous dust.



#### Safety clutch

Safe working by decoupling the power unit in case of unexpected tool stop.

Electric- and cordless tools airtoolservices.co.uk

## 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.



Your partner 23



#### 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 shopes: High-quality and long-lasting machines are our quality promise.



#### Industry 4.0

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.

