



2 Industry Electric- and cordless tools

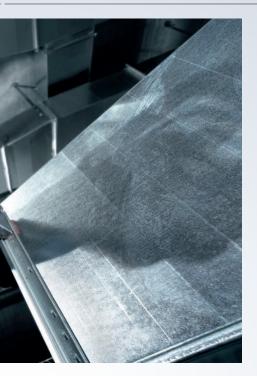




The right innovation for every industry

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.

Electric- and cordless tools Industry 3





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.

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.

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.

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.

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.

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.

Processes and product groups



Electric- and cordless tools Applications

Product groups and applications

PR	ODUCT GROUPS	С	S	N	PN	ТРС	F	TF	TKA	TKF	DD HD ID	FCN	TSC
7	Chamfering												
APPLICATION	Slat cleaning												
AT	Make notches											_	
2	Process containers and tanks												
P	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								$\overline{}$				
	Prepare edges for painting / galvanizing												
	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												
	Screwing & drilling												
	Weld seam preparation												
	Create visible edges												
	Drilling in steel												
	Front edge milling												
	Joining parts												
	Cut trapezoidal sheet metal												
	Cut corrugated sheet metal												
	Cut spiral ducts												
	Close angle and standing seams												
	Container and machinery construction				I				I		1		1
FIELD	Roof and building envelope										$\overline{}$		
뿐	Automotive plants												
	Heating / ventilation / air conditioning										$\overline{}$		
	Aerospace												
	Machine construction												
	Steel and metal construction												
	Sport industrie												
	Tank removal / demolition / disassembly												
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6 Cutting – Slitting shears Electric- and cordless tools

Slitting shears



Electric







TruTool C 160

TruTool C 160 with chip clipper

TruTool C 250 with chip clipper

Technical data								
Slitting shears TruTool			60 / * h chip clipper		C 250 ** with chip clipper			
		Cutter straight	Cutter CR	Cutter straigt	Cutter CR	Cutter SC		
		1–1.6 mm	0.5-1.2 mm	1.5-2.5 mm	0.5-1.5 mm			
Max. sheet thickness								
Steel 400 N/mm²	mm	1.6		2.5				
Steel 600 N/mm²	mm		1.2		1.5			
Aluminium 250 N/mm²	mm	2		3				
Spiral ducts 400 steel N/mm ²	mm		4 x 0.6			4 x 0.9 / 6 x 0.6		
Spiral ducts 600 steel N/mm ²	mm					4 x 0.6		
Working speed	m/min	6-10	6-10	3-10	3-10	3-10		
Min. start hole diameter	mm	15	15	22	20	18		
Smallest radius	mm	90	160	150	120	150		
Rated input power	W	350	350	550	550	550		
Weight without cable	kg	1.4	1.4	2	2	2		

 $^{^{\}star}$ More cutters available: Cutter straight up to 1 mm. Curve cutter up to 1 mm ** More cutters available: Cutter straight 0.5–1.5 mm. Curve cutter up to 1.5 mm







Technical data									
Slitting shears TruTool		C 160 * / C 160 * with chip clipper Li-lon battery 10.8 V		Li	C 200 ** lon battery 1	8 V	C 250 ** with chip clipper Li-lon battery 18 V		
		Cutter straight	Cutter CR	Cutter straight	Cutter CR	Cutter SC	Cutter straight	Cutter CR	Cutter SC
Max. sheet thickness									
Steel 400 N/mm²	mm	1.6		1.5 – 2			2.5		
Steel 600 N/mm²	mm		1.2		1.5			1.5	
Aluminium 250 N/mm²	mm	2		3			3		
Spiral ducts 400 steel N/mm ²	mm		4 x 0.6			4 x 0.9 / 6 x 0.6			4 x 0.9 / 6 x 0.6
Spiral ducts 600 steel N/mm ²	mm					4 x 0.6			4 x 0.6
Working speed	m/min	5 – 9	5 – 9	3-12	3 –10	3 – 12	3 – 10	3 – 10	3 – 10
Min. start hole diameter	mm	15	15	20	18	8	22	20	18
Smallest radius	mm	90	160	150	120	150	150	120	150
Voltage	V	10.8	10.8	18	18	18	18	18	18
Weight (with 2 Ah)	kg	1.4	1.4	2.3	2.3	2.3	2.3	2.3	2.3
Weight (with 4 Ah)	kg	1.6	1.6	2.6	2.6	2.6	2.6	2.6	2.6

^{*} More cutters available: Cutter straight up to 1 mm. Curve cutter up to 1 mm ** More cutters available: Cutter straight 0.5–1.5 mm. Curve cutter up to 1.5 mm

8 Cutting – Shears Electric- and cordless tools



- 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

Electric



TruTool S 160



TruTool S 350



TruTool S 250



TruTool S 450



TruTool S 114 battery 10.8 V



TruTool S 160 battery 10.8 V



TruTool S 250 battery 18 V

Technical data								
Shears TruTool		S 160	S 250	\$ 350	S 450	S 114 Li-lon battery 10.8 V	S 160 Li-lon battery 10.8 V	S 250 Li-lon battery 18 V
Max. sheet thickness								
Steel 400 N/mm²	mm	1.6	2.5	3.5	4.5	1.6	1.6	2.5
Steel 600 N/mm²	mm	1.2	2	3	3.5	1	1.2	2
Steel 800 N/mm²	mm	1	1.5	2	2.5			1.5
Aluminium 250 N/mm²	mm	2	3	4	5	2	2	3
Spiral ducts steel 400 N/mm²	mm					4 x 0.75		
Working speed	m / min	8 –12	4 -7	4-6	4-6	6 –13	5-9	4 – 7
Min. start hole diameter	mm	27	28	50	75		27	28
Smallest radius	mm	15	20	R 30 / L 16	R 35 / L 25	60	15	20
Minimal tube diameter	mm					50		
Throat depths	mm					30		
Rated input power	W	350	550	1400	1400			
Voltage	V					10.8	10.8	18
Weight without cable	kg	1.6	2.2	5.6	6.2			
Weight (with 2 Ah)	kg					1.7	1.6	2.5
Weight (with 4 Ah)	kg					1.9	1.8	2.8



TruTool N 350

TruTool N 700









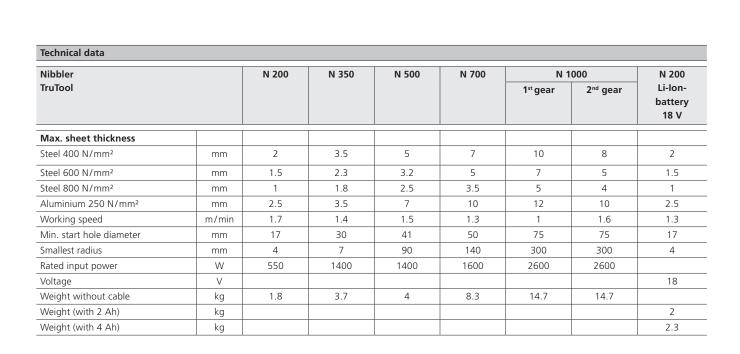
TruTool N 1000



Quick 8 Easy

U/min















TruTool PN 201

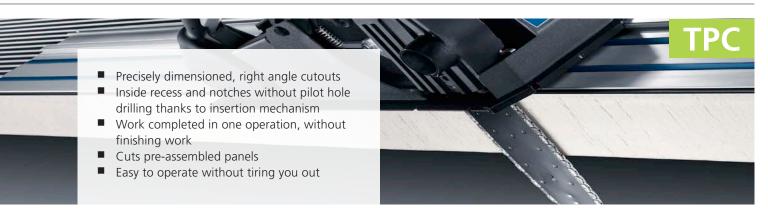


TruTool PN 201 battery 18 V

Motor

Quick & Easy

Technical data Profile nibblers PN 200 PN 201 PN 130 PN 200 PN 201 TruTool Li-Ion battery Li-Ion battery Li-Ion battery 10.8 V 18 V 18 V Max. sheet thickness Steel 400 N/mm² 2 2 1.3 2 2 mm Steel 600 N/mm² 1.5 0.8 1.5 1.5 1.5 mm Steel 800 N/mm² mm 1 1 1 Aluminium 250 N/mm² 3 3 3 3 mm 2.0 Working speed m/min 2.1 2.2 2.5 1.6 1.6 Min. start hole diameter 24 24 15 24 24 mm Smallest radius 50 50 25 50 50 mm Rated input power W 550 550 Voltage V 10.8 18 18 Weight without cable kg 1.8 2 Weight (with 2 Ah) 1.4 2 kg 2.2 Weight (with 4 Ah) 1.6 2.3 2.5 kg



Electric



TruTool TPC 165

Technical data								
Panel Cutter TruTool	TPC 165							
Max. panel thickness	mm	165						
Single sheet thickness for steel 400 N / mm ²	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	1400						
Cutting width	mm	4						
Weight without cable	kg	9.6						

12 Fastening – Seam lockers Electric- and cordless tools





- 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 channels
- Quick, consistently tight seam closure
- Reduced-noise, vibration-free closing

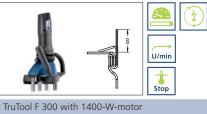
Electric



TruTool F 300







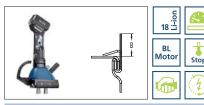




TruTool F 125



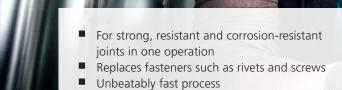
TruTool F 300 battery 18 V



TruTool F 301 battery 18 V

Technical data								
Technical data								
Seam lockers TruTool		F 300	F 300 with 1400 W motor	F 301	F 125 *	F 140 fan blower long	F 300 Li-lon battery 18 V	F 301 Li-lon battery 18 V
Max. sheet thickness								
Steel 400 N/mm² (min.)	mm	0.75	0.75	0.45			0.75	0.45
Steel 400 N/mm² (max.)	mm	1.25	1.25	1	1.25	1.4	1.25	1
Steel 600 N/mm² (max.)	mm					0.6		
Edge length (H)	mm				40	11–16		
Flange height (B):								
For sheet thickness 0.75–1	mm	9-11	9-11				9-11	
For sheet thickness >1-1.25	mm	11–13	11–13				11-13	
For sheet thickness 0.45-1	mm			8-11				8-11
For sheet thickness 0.6-1	mm					10-14		
For sheet thickness >1-1.4	mm					10-14		
Clearance (C)	mm					5.5		
Working speed	m / min	4-7	6.5-10.5	4-7	5-6	6-10	4-7	4-7
Smallest inner radius (preformed)	mm	150	150	150		300	150	150
Smallest outer radius	mm	300	300	300		100	300	300
Rated input power	W	550	1400	550	550	550		
Voltage	V						18	18
Weight without cable	kg	5.4	6.5	5.2	2.8	4.2		
Weight (with 2 Ah)	kg						5.8	5.5
Weight (with 4 Ah)	kg						6.0	5.9

^{*} Max. seam thickness: 5 mm



- Joining of different materials, as well as coated and uncoated workpieces
- Minimal setup time



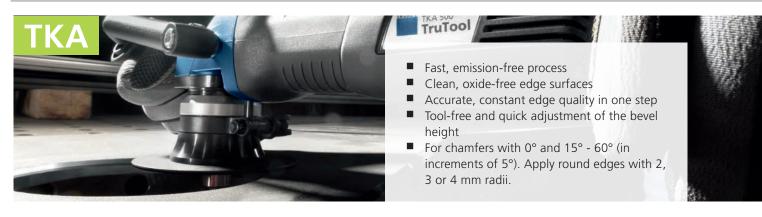
Electric





Technical data			
Power fasteners TruTool		TF 350	TF 350 Li-lon battery 18 V
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 minimum	mm	8	8
Edge distance maximum	mm	58	58
Straight flange height maximum	mm	36	36
Rated input power	W	1400	
Voltage	V		18
Weight without cable	kg	8.3	
Weight (with 2 Ah)	kg		7.8
Weight (with 4 Ah)	kg		8.1

14 Bevelling – Deburrers Electric- and cordless tools



Electric



Technical data								
Deburrer TruTool		TKA 500						
		30°	45°	60°				
Bevel angles								
Steel 400 N/mm²	mm	5	5	5				
Steel 600 N/mm²	mm	2.5	2.5	2.5				
Steel 800 N/mm²	mm	1.5	1.5	1.5				
Aluminium 250 N/mm²	mm	7.5	9.0	10.0				
Min. sheet thickness with blade wheel	mm	0.7	0.7	0.7				
Smallest inner radius	mm	16	12	12				
Working speed	m/min	3-4	3–4	3–4				
Rated input power	W	1400	1400	1400				
Weight without cable	kg	3.5	3.5	3.5				



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



Electric







U/min

TruTool TKF 1500 with 2 speed

	Quick& Stop		stop U/min
TruTool TKF 1100/1101		TruTool TKF 1500	

Technical data											
Bevellers TruTool Bevel angles		TKF	700		1100 <i>/</i> 1101	TKF	1500		TKF 1500 with 2 speed		
		30° 37.5° 45°		30° 37.5° 45°		20°-45° *20°-55°		20°-45° *20°-55°		20°-45° *20°-55°	
								1st (gear	2 nd	gear
Max. bevel length Max. bevel height											
Steel 400 N/mm²	mm	7	4,9	11	9,5	15	10,6	15	10,6	15	10,6
Steel 600 N/mm²	mm	5.7	4,0	9	7,8	9	7,8	11	7,8	9	6,4
Steel 800 N/mm²	mm	4	2,8	6	5,2	6	6,4	9	6,4	6	4,2
Sheet thickness	mm	1-	-20	3-	-25	4-	160	4-	160	4-	160
Smallest inner radius	mm		10		10	5	55	55		55	
Working speed	m/min	1.5			2		2	1.25		2	
Rated input power	W	14	100	16	500	2000		2000		2000	
Weight without cable	kg	5	.4	1	0	16	5.5	19.5		19.5	

^{*} Bevel length (Is) for an Devel all stripper ** Bevel angles with special stripper Bevel length (ls) for all bevel angles. Bevel height (hs) für 45°



18 <u>-</u>1

BL Moto

Cordless tool



TruTool DD 1010 battery 10.8 V



TruTool HD 1813 battery 18 V



TruTool ID 1861 battery 18 V

Technical data									
Drill driver / Hammer drill / Impact driver TruTool	DD 1010 Li-lon battery 10.8 V	DD 1813 Li-lon battery 18 V	HD 1813 Li-lon battery 18 V	ID 1861 Li-Ion battery 18 V					
Gears		2	2	2					
Chuck					hexagon socket 1/4"				
Quick-action drill chuck	mm	10	13	13					
Max. drill performance Ø steel	mm	8	13	13					
Max. drill performance Ø wood	mm	20	32	32					
Max. drill performance Ø masonry	mm			13					
Max. screw-Ø	mm				M 18				
Torque settings		17 + drilling	15 + drilling	21 + drilling + screwing	3				
Max. torque (soft / hard)	Nm	15/30	25 / 56.5	25 / 56.5					
Torque (1st / 2nd / 3rd level)	Nm				50 / 90 / 155				
Idle speed (1st / 2nd gear)	1/min	440/1450	0 - 560 / 0 - 1900	0 - 560 / 0 - 1900					
Idle speed (1st / 2nd / 3rd level)	1/min				0 - 1200 / 0 - 1800 / 0 - 2500				
Voltage	V	10.8	18	18	18				
Weight (with 2 Ah)	kg	1.1	1.6	1.7	1.4				
Weight (with 4 Ah)	kg	1.3							
Weight (with 5 Ah)	kg		1.9	2	1.7				

Fiber composite nibbler



- Low dust and no smoke formation during cutting
- Perfect cutting edge, without delamination and fraying
- Precise work, clear view of the cutting line
- Cuts all common fiber composite materials, even aramid



- Repeated cleaning of support slats possible
- Suitable for various materials, including stainless steel
- 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 TruTool	FCN 250							
Max. material thickness CFRP / GFRP / AFRP	mm	2.5						
Working speed up to	m / min	1.9						
Start hole diameter	mm	17						
Smallest radius	mm	4.3						
Rated input power	W	550						
Weight without cable	kg	1.8						

*	CFRP = carbon-fiber-reinforced plastic / GFRP = glass-fiber-reinforced	plastic /
	AFRP = aramid-fiber-reinforced plastic	

Technical data			
Slat cleaner TruTool		TSC 100	
Support slat thickness	mm	2 - 3.9	
Max. slag thickness	mm	25	
Min. spacing between support slags	mm	33.5	
Working speed	m/min	4 - 8	
Rated input power	W	1400	
Weight without cable	kg	18.4	

18 Product overview Electric- and cordless tools

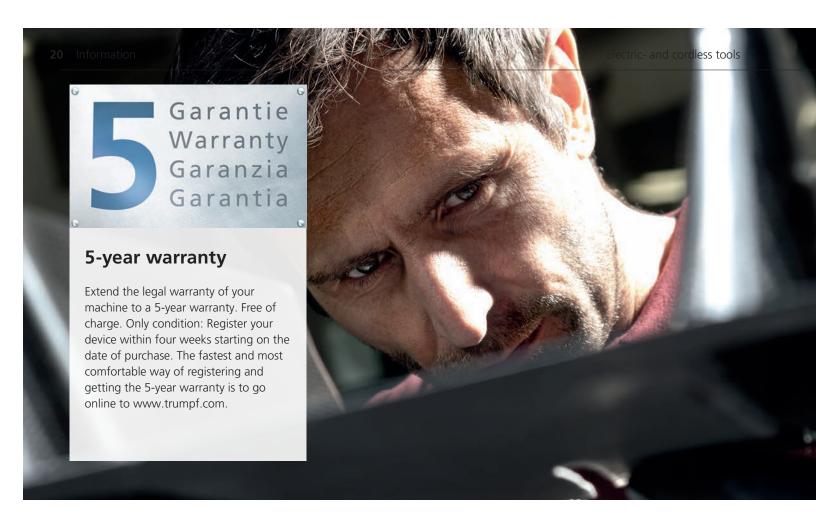
Product overview



Electric- and cordless tools Product overview 19

Product overview





Legend

You can find the symbols on the machine pages



Li-Ion Technologie

Battery-powered machines with 10.8 V drive.



Li-Ion Technologie

Battery-powered machines with 18 V drive.



Brushless motor

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



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.



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.



oftgrip

Ensures optimum and convenient machine control and minimizes vibration.



Speed governor

Adjustable speed for material-specific working and perfect results (only for



Smooth start

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.

Electric- and cordless tools Your partner 21

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.

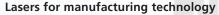


Visit us on YouTube: www.youtube.com/ TRUMPFtube

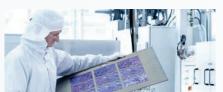








Whether macro, micro or nano: We have the right lasers and the right technology that is innovative and at the same time cost-efficient for every production application. Beyond the technology, we provide you with system solutions, application knowledge and consulting.



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.

