



Product overview:

The complete product line



Machine Tools/Power Tools
Laser Technology/Electronics
Medical Technology

TRUMPF



Everything
you need.

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The products in this brochure are not available in all countries.



The TRUMPF Group ranks among the world's leading manufacturers of production technology and industrial lasers. Technical solutions for our customers have been our focus since 1923. Our innovations in machine tools and power tools as well as in laser and medical technology are impressive. Our enthusiasm for top technical performance and our customers' success leads us to develop even more productive machines.

Our corporate image is characterized by the highest demands in quality and reliable customer care. You can count on us for every project. Our comprehensive services range from planning your production facility to optimizing your workflow. Even if you just want information about a new tool – we speak your language.

TruLaser:

Cost-effective
cutting through
thick and thin.

TruLaser machines give you the decisive advantage in 2D laser processing. You can use them to produce any contour in thin and thick sheets – and with excellent quality.



TruLaser Series 1000



Low-cost, compact and operator-friendly machines.

- Low investment and operating costs
- Very easy to operate
- Small footprint of only 25 m²
- Quick and easy installation
- Affordable entry into laser welding

	TruLaser 1030	TruLaser 1030 fiber
Working range	3,000 x 1,500 mm	3,000 x 1,500 mm
Max. speed simultaneous	85 m/min	85 m/min
Available lasers	TruCoax 2500	TruDisk 2001
Max. laser power	2,500 W	2,000 W
Max. thickness:		
Mild steel	16 mm	12 mm
Stainless steel	8 mm	6 mm
Aluminium	6 mm	5 mm
Copper		3 mm
Brass		3 mm

TruLaser Series 3000



Standard universal machines.

- First-class processing flexibility
- High cutting speeds and minimal downtime
- Easy maintenance with little effort
- Simple to operate
- Various automation options

	TruLaser 3030 Lean Edition ^[1]	TruLaser 3030 ^[2]
Working range	3,000 x 1,500 mm	3,000 x 1,500 mm
Max. speed simultaneous	140 m/min	140 m/min
Available lasers	TruFlow 2000	TruFlow 2700
Max. laser power	2,000 W	2,700 W
Max. thickness:		
Mild steel	12 mm	15 mm
Stainless steel	4 mm	6 mm
Aluminium	3 mm	5 mm
Copper		
Brass		

^[1] Only available with TruFlow 3200.

^[2] Only available with TruFlow 3200/4000/5000/6000.

TruLaser 3040^[2]

4,000 x 2,000 mm
140 m/min

TruLaser 3060^[3]

6,000 x 2,000 mm
85 m/min

TruLaser 3030 fiber^[4]

3,000 x 1,500 mm
140 m/min

**TruFlow
3200**

3,200 W

20 mm
12 mm
8 mm

**TruFlow
4000**

4,000 W

20 mm
15 mm
10 mm

**TruFlow
5000**

5,000 W

25 mm
20 mm
12 mm

**TruFlow
6000**

6,000 W

25 mm
25 mm
15 mm

**TruDisk
3001**

3,000 W

20 mm
15 mm
15 mm
6 mm
6 mm

^[3] Only available with TruFlow 2000/2700/3200/4000.

^[4] Only available with TruDisk 3001.

TruLaser Series 5000



Productive universal machines.

- Highest productivity for thin sheet metal or universal cutting
- High axis speed and positioning dynamics
- Minimal downtime
- Great material variety
- Various automation options

	TruLaser 5030 ^[1]	TruLaser 5040 ^[1]	TruLaser 5060 ^[1]
Working range	3,000 x 1,500 mm	4,000 x 2,000 mm	6,000 x 2,000 mm
Max. speed simultaneous	300 m/min	300 m/min	300 m/min
Available lasers	TruFlow 5000	TruFlow 6000	TruFlow 8000
Max. laser power	5,000 W	6,000 W	8,000 W
Max. thickness:			
Mild steel	25 mm	25 mm	25 mm
Stainless steel	20 mm	25 mm	50 mm
Aluminum	12 mm	15 mm	25 mm

^[1] Only available with TruFlow Laser.

^[2] Only available with TruDisk Laser.



	TruLaser 5030 fiber	TruLaser 5040 fiber^[2]
Working range	3,000 x 1,500 mm	4,000 x 2,000 mm
Max. speed simultaneous	260 m/min	235 m/min
Available lasers		
	TruDisk 3001	TruDisk 5001
Max. laser power	3,000 W	5,000 W
Max. thickness:		
Mild steel	20 mm	25 mm
Stainless steel	15 mm	20 mm
Aluminium	15 mm	20 mm
Copper	6 mm	10 mm
Brass	6 mm	10 mm

TruLaser Series 7000



High-precision machines for mass production.

- Maximum productivity with second cutting head
- Highest dynamics through motion unit made of carbon fiber
- Outstanding accuracy and part quality
- Great material variety

	TruLaser 7025 ^[1]	TruLaser 7040 ^[2]	
Working range	2,500 x 1,250 mm	2,500 x 4,000 mm	
Max. speed simultaneous	304 m/min	304 m/min	
Available lasers	2 x TruFlow 3200	2 x TruFlow 4000	2x TruFlow 6000
Max. laser power	2 x 3,200 W	2 x 4,000 W	2 x 6,000 W
Max. thickness:			
Mild steel	20 mm	20 mm	25 mm
Stainless steel	12 mm	15 mm	25 mm
Aluminum	8 mm	10 mm	15 mm

^[1] Only available with TruFlow 3200/4000.

^[2] Only available with TruFlow Laser.

	TruLaser 7025 fiber ^[3]	TruLaser 7040 fiber ^[3]
Working range	2,500 x 1,250 mm	2,500 x 4,000 mm
Max. speed simultaneous	304 m/min	304 m/min
Available lasers	TruDisk 6001	
Max. laser power	6,000 W	
Max. thickness:		
Mild steel	20 mm	
Stainless steel	20 mm	
Aluminum	20 mm	
Copper	6 mm	
Brass	6 mm	

^[3] Only available with TruDisk laser.

TruLaser Series 8000



Flexible oversized format machines.

- Sheets up to 16 m in length
- Flexible selection of the pallet concept
- Smooth, seamless cutting of repositioned sheets
- Option: doubled productivity with a second cutting head

TruLaser 8000

Working range	2,500 x 4,000 mm
Max. speed simultaneous	304 m/min
Max. processing format	16,000 x 2,500 mm

Available lasers

	TruFlow 4000	TruFlow 6000
Max. laser power	4,000 W	6,000 W
Max. thickness:		
Mild steel	20 mm	25 mm
Stainless steel	15 mm	25 mm
Aluminium	10 mm	15 mm



Automation for 2D laser machines.

Components that pay off – economic and efficient production.

- LoadMaster – entry-level solution for the loading of the pallet changer
- LiftMaster – universal loading and unloading
- LiftMaster Sort – loading and unloading with separation of large parts
- LiftMaster Compact – compact and quick loading and unloading
- PartMaster – quick and ergonomic part removal as an option of LiftMaster Compact
- LiftMaster Linear – loading and unloading of up to three machines
- LiftMaster Store – loading and unloading with direct storage connection
- LiftMaster Store Linear – loading and unloading of up to three machines with direct storage connection
- SortMaster – separation and sorting of small parts. Requires a loading and unloading solution
- TruStore – modular, expandable rack and storage system
- Customized storage – individual storage solution for special requirements

TruMatic:

The perfect
combination.



With a TruMatic machine, you enjoy the advantages of punching and laser processing. You can cut complicated outlines with the laser and process standard contours and forms economically with the punching head.

TruMatic 3000 fiber



TruMatic 3000 fiber with solid state laser –
triple combination.

- Laser cutting, laser welding and punching in a single system
- Helps cut costs by making optimum use of the TruDisk laser
- Energy-efficient solid state laser
- Compact and flexible incorporation within the LaserNetwork
- High part quality and economical thin sheet processing

TruMatic 3000 fiber

Working range	
Combined punch/laser operation	2,175 x 1,250 mm ^[1]
Punching operation	2,500 x 1,250 mm
Laser operation	2,500 x 1,250 mm
Max. sheet thickness	4 mm
Max. stroke rate (punching)	600 1/min
Max. numbers of tools	18–180
Tool changing time	2.2–4.4 s
Available laser	TruDisk 3001

^[1] Without repositioning.



TruMatic 6000

Rugged, all-around machine –
proven multi-talent.

- Versatile processing of sheets up to 8 mm thickness
- Available in medium- and large-format versions
- A highly productive powerhouse
- Parts chute for unloading
- Comprehensive automation concept

	Medium format	Large format
Working range		
Comb. punching/laser operation	2,500 x 1,250 mm	3,050 x 1,550 mm ^[1]
Punching operation	2,500 x 1,250 mm	3,050 x 1,600 mm
Laser operation	2,500 x 1,250 mm	3,050 x 1,600 mm
Max. sheet thickness	8 mm	8 mm
Max. stroke rate (punching)	900 1/min	900 1/min
Max. number of tools	19–190	18–180
Tool change time	0.7–6.5 s	0.7–6.5 s
Available lasers	TruFlow 2000/2700/3200	

^[1] With repositioning.

TruMatic 7000



Productive high-end machine –
the leader in combination technology.

- Highly dynamic solution
- Scratch-free punching and laser processing
- Unique forming capabilities
- Fast-action parts chute for unloading combination parts
- Efficient and powerful automation

	Medium format	Large format
Working range		
Comb. punching/laser operation	2,500 x 1,250 mm	3,050 x 1,550 mm ^[1]
Punching operation	2,500 x 1,250 mm	3,050 x 1,550 mm
Laser operation	2,500 x 1,250 mm	3,050 x 1,550 mm
Max. sheet thickness	8 mm	8 mm
Max. stroke rate (punching)	1,200 1/min	1,200 1/min
Max. number of tools	22–220	21–210
Tool change time	0.3–2.8 s	0.3–2.8 s
Available lasers	TruFlow 2700/3200/4000	

^[1] With repositioning.



Automation for combination machines.

Components that pay off – economic and efficient production.

- SheetMaster – fast and reliable loading and unloading, stacking and sorting
- Cart systems – double your loading and unloading capacity by deploying versatile storage and sorting solutions for raw materials and finished parts. Solutions with tracks and belt drives are available
- SortMaster Pallet – sort and stack finished parts on up to 6 Europallets
- SortMaster Box – sort finished parts into four standardized, stackable containers
- GripMaster – fast and reliable removal and stacking of sheet skeletons parallel to the loading process
- ShearMaster – shredding of sheet skeletons during machining operations minimizes process costs in the manufacturing environment
- ToolMaster – changes tools in less than nine seconds and increases capacity, making up to 70 tools available at once
- TruStore – modular and upgradeable storage and shelving system provides a well-organized, space-saving storage solution
- Storage solutions from Stopa – for special requirements we also offer highly customizable storage solutions in cooperation with our partner, Stopa

TruPunch:

A new standard
in punching
efficiency.

TruPunch punching machines can process a flexible range of parts. They run from simple to complex with a variety of form and superior surface and edge quality. You produce most economically and resource efficient.



TruPunch 1000



Economical entry-level machine – simply punch well.

- The most versatile machine in its class
- Intuitive user interface
- Low operating costs, even at low capacity
- Simple online programming
- Minimal footprint

	Small format	Medium format	Compact Edition
Working range	2,050 x 1,250 mm	2,500 x 1,250 mm	1,250 x 1,250 mm
Max. sheet thickness	6.4 mm	6.4 mm	6.4 mm
Max. punching force	165 kN	165 kN	165 kN
Max. stroke rate (punching)	600 1/min	600 1/min	600 1/min
Max. number of tools	15–150	18–180	10
Tool change time	2.2–4.4 s	2.2–4.4 s	2.4 s



TruPunch 3000

Resource-efficient universal machine –
punching without limits.

- High resource efficiency
- Skeleton-free processing
- Scratch-free material handling
- Universal automation
- Small machine footprint

	Medium format	Large format
Working range	2,500 x 1,250 mm	3,000 x 1,500 mm ^[1]
Max. sheet thickness	6.4 mm	6.4 mm
Max. punching force	180 kN	180 kN
Max. stroke rate (punching)	1,000 1/min	900 1/min
Max. number of tools	18–180	17–170
Tool change time	0.3–3.0 s	0.3–3.0 s

^[1] With repositioning.

TruPunch 5000



Productive high-end machine –
the fastest punching machine in the world.

- Unbeatable productivity
- Skeleton-free processing
- Scratch-free material handling
- Custom automation
- Maximum range of forming operations

	Medium format	Large format
Working range	2,500 x 1,250 mm	3,050 x 1,550 mm
Max. sheet thickness	8 mm	8 mm
Max. punching force	220 kN	220 kN
Max. stroke rate (punching)	1,400 1/min	1,200 1/min
Max. number of tools	18–180	21–210
Tool change time	0.7–3 s	0.7–3 s



Automation for punching machines.

Components that pay off – efficient, economical production.

- SheetMaster – fast and reliable loading and unloading, stacking and sorting
- SheetMaster Compact – compact loading and unloading for microjoint processing, only available for TruPunch 3000
- Cart systems – double your loading and unloading capacity by deploying versatile storage and sorting solutions for raw materials and finished parts. Solutions with tracks and belt drives are available
- SortMaster Pallet – sort and stack finished parts on up to 6 Europallets
- SortMaster Box – sort finished parts into 4 standardized, stackable containers
- SortMaster Box Linear – virtually scratch-free sorting of finished parts into containers traveling on horizontal rails
- GripMaster – fast and reliable removal and stacking of sheet skeletons parallel to the loading process
- ShearMaster – Shredding of sheet skeletons during machining operations minimizes process costs in the manufacturing environment
- ToolMaster – changes tools in less than 9 seconds and increases capacity, making up to 70 tools available at once
- DisposeMaster – conveniently sorts shredded sheet skeletons and stubs according material type
- TruStore – modular and upgradeable storage and shelving system provides a well-organized, space-saving storage solution
- Stopa storage solutions – for special requirements we also offer highly customizable storage solutions in cooperation with our partner, Stopa



TruBend:

More bending
freedom.



TruBend machines incorporate a wealth of experience in press brake technology coupled with pioneering innovations. They enable you to fabricate parts in any format economically and with high-quality results, on demand and automatically.

TruBend Series 3000



Economical basic machine –
well positioned.

- Cost-efficient, even when operated at low capacity
- Configurable to your specific requirements
- Simple-to-operate, well-designed controls
- High-positioning accuracy due to 4-cylinder drive
- Choice of tool clamping system

	TruBend 3066	TruBend 3120	TruBend 3180
Press force	660 kN	1,200 kN	1,800 kN
Bending length	2,080 mm	3,110 mm	4,140 mm
Effective installation height	347 mm	347 mm	347 mm
Max. installation height	420 mm	420 mm	420 mm
Y-rapid traverse	200 mm/s	200 mm/s	200 mm/s
Y-working speed	10–20 mm/s ^[1]	10–18 mm/s ^[1]	10–15 mm/s ^[1]
Control	T3000, 3D graphics		

^[1] Depending on the selected lower tool opening and application.
May vary in accordance with local regulations.



TruBend Series 5000

Productive jack of all trades –
built for maximum precision.

- Handles the widest range of parts in its class
- Maximum precision
- Dynamic axis positioning
- ACB: precise angles from the very first part
- Intuitive programming and machine controls

	TruBend 5050	TruBend 5085	TruBend 5130
Press force	500 kN	850 kN	1,300 kN
Bending length	1,275 mm	2,210/2,720 mm ^[1]	3,230 mm
Effective installation height	385 mm	385/615 mm ^[1]	385/615 mm ^[1]
Max. installation height	420 mm	420 mm	420 mm
Y-rapid traverse	220 mm/s	220 mm/s	220 mm/s
Y-working speed	10–20 mm/s ^[2]	10–20 mm/s ^[2]	10–20 mm/s ^[2]
Control	TASC 6000, 3D graphics, touchscreen		

^[1] Optional

^[2] Depending on the selected lower tool opening and application.

May vary in accordance with local regulations.

TruBend Series 5000



	TruBend 5170	TruBend 5230	TruBend 5320
Press force	1,700 kN	2,300 kN	3,200 kN
Bending length	3,230/4,250 mm ^[1]	3,230/4,250 mm ^[1]	4,420 mm
Effective installation height	615 mm	615 mm	615 mm
Max. installation height	420 mm	420 mm	420 mm
Y-rapid traverse	220 mm/s	220 mm/s	220 mm/s
Y-working speed	10–15 mm/s ^[2]	10–15 mm/s ^[2]	10–15 mm/s ^[2]
Control	TASC 6000, 3D graphics, touchscreen		

^[1] Optional

^[2] Depending on the selected lower tool opening and application.

May vary in accordance with local regulations.



TruBend Series 7000

Ergonomic high-speed machine –
certified quality.

- Outstanding productivity
- Maximized, multi-axis dynamics
- Engineered for maximum comfort
- Low energy consumption
- Reduced footprint

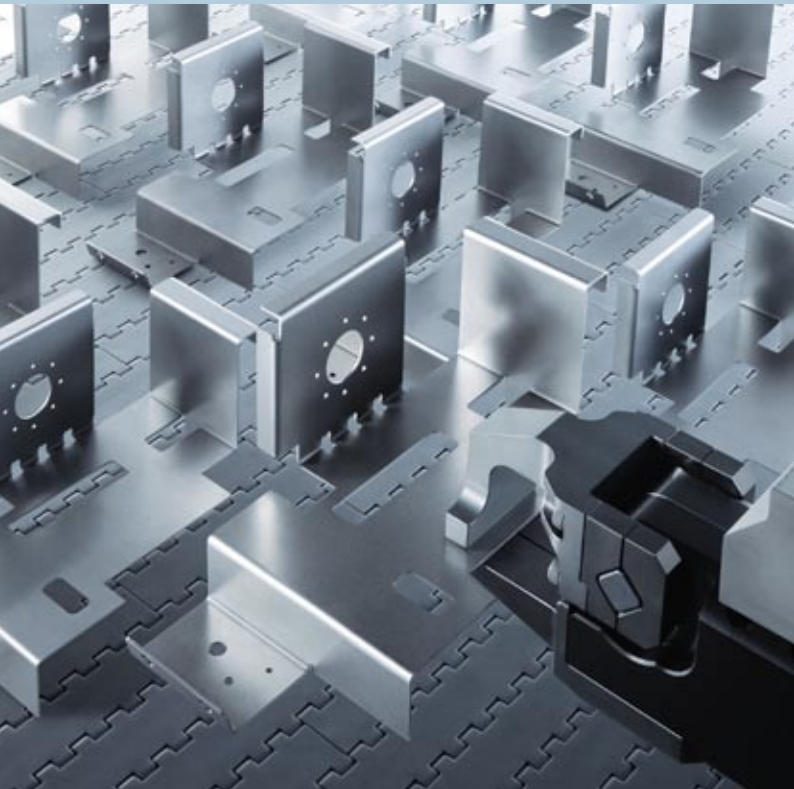
	TruBend 7018	TruBend 7036
Press force	180 kN	360 kN
Bending length	510 mm	1,020 mm
Effective installation height	295 mm	295 mm
Max. installation height	150 mm	150 mm
Y-rapid traverse	220 mm/s	220 mm/s
Y-working speed	10–25 mm/s ^[2]	10–25 mm/s ^[2]
Control	TASC 6000, 3D graphics, touchscreen	

^[2] Depending on the selected lower tool opening and application.
May vary in accordance with local regulations.

TruBend Cell:

Top-class automation.

TruBend Cell systems offer flexible and cost-effective solutions for every kind of automated bending. You can manufacture parts of any size in multiple shifts, using reliable processes. The consistent high quality of your parts reduces the volume of rejects as well as rework requirements.



TruBend Cell 5000



Productive all-purpose bending cell –
reliable processes, automatically controlled.

- Cost-efficient automation
- Wide range of applications
- Convenient offline programming
- Maximum process reliability
- Customized material flow

	TruBend Cell 5000 with BendMaster (60)	TruBend Cell 5000 with BendMaster (150)
Max. component size	2,000 x 1,000 mm	3,000 x 1,500 mm
Profiles	up to 2,500 mm	up to 4,000 mm
Min. sheet thickness	0.7 mm	0.7 mm
Max. component weight	40 kg	100 kg
Max. loading	60 kg	150 kg
Track length	6–14 m	6–16 m
Max. sheet stack	700 mm	700 mm
Max stacking height of finished parts	1,000 mm	1,200 mm
TruBend Series 5000	from 5085 to 5320	from 5130 to 5320



TruBend Cell 7000

Innovative high-speed bending cell –
maximum productivity.

- Minimal costs per bend
- Minimal setup
- Optimized material flow
- Convenient offline programming
- Compact complete system

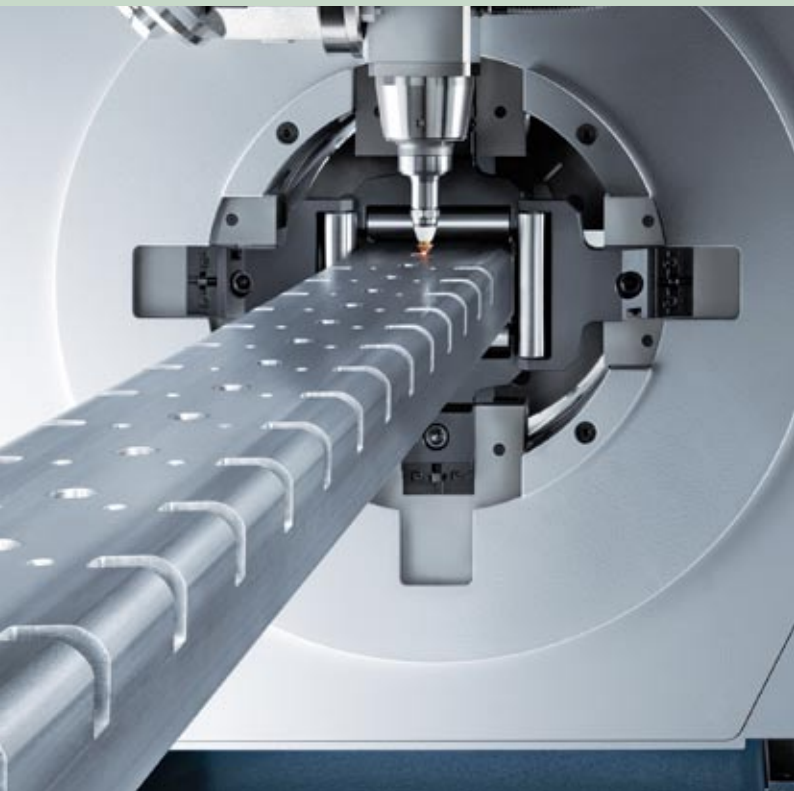
TruBend Cell 7000 with BendMaster (15)

Max. component size	500 x 380 mm
Max. sheet thickness	8 mm
Max. component weight	3 kg
Max. loading	15 kg
Press force	360 kN
Working speed	up to 50 mm/s
Dimensions	5,500 x 3,870 mm

TruLaser Tube:

Shape the
future.

With the laser, you process pipes with greater flexibility and efficiency than with conventional production methods. TruLaser Tube machines open up creative possibilities and enormous market potential.



TruLaser Tube 5000



Productive standard machine.

- High productivity guaranteed by perfectly matched components
- High precision due to self-centering clamping system
- Ergonomic unloading table with workpiece buffer
- Minimum gas consumption due to extremely fine nozzles
- Ideal accessibility due to open machine design

TruLaser Tube 5000

Max. outer circle diameter	150 mm
Max. tube length	6,500 mm
Max. workpiece weight	20 kg/m

Available lasers

	TruFlow 2000	TruFlow 2700	TruFlow 3200
Max. laser power	2,000 W	2,700 W	3,200 W
Max. thickness:			
Mild steel	6.4 mm	6.4 mm	6.4 mm
Stainless steel	4 mm	5 mm	5 mm
Aluminum	3 mm	4 mm	4 mm



TruLaser Tube 7000

Flexible high-end machine.

- Also cutting XXL tubes
- Flexible part-removal station with integrated parts sorter
- High laser output for high cutting speeds
- Small-batch manufacturing with minimal non-productive time
- Minimal gas consumption due to smallest nozzle diameter

TruLaser Tube 7000

Max. outer circle diameter	200/250 mm ^[1]
Max. tube length	6,500/9,000 mm ^[1]
Max. workpiece weight	25/37,5 kg/m ^[2]

Available lasers

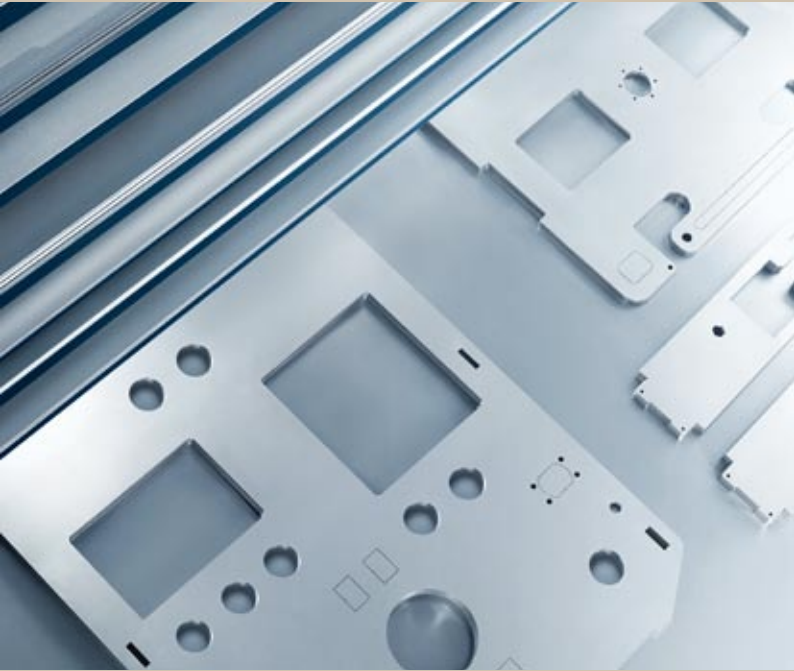
	TruFlow 2000	TruFlow 2700	TruFlow 3600
Max. laser power	2,000 W	2,700 W	3,600 W
Max. thickness:			
Mild steel	8 mm	8 mm	8 mm
Stainless steel	4 mm	5 mm	6 mm
Aluminum	3 mm	4 mm	5 mm

^[1] Optional

^[2] For the 250 mm option, max. tube weight 225 kg.

TruStore:

Compact
storage, high
flexibility.



Efficient and economical with modular extension capability, the TruStore storage systems facilitate your workflow, maintain order and ensure optimal use of space.

TruStore Series 1000



Practical entry-level storage system.

- An economical introduction to TRUMPF storage technology
- More reliable material flow
- Higher machine capacity utilization through automated operation
- Upgrade to TruStore 3000 series at any time
- Easy to assemble and quick to install

	TruStore 1030	TruStore 1040
Max. sheet size	3,000 x 1,500 mm	4,000 x 2,000 mm
Loading height	90/170 mm	90/170 mm
Max. load per pallet	3,000 kg	5,000 kg
System height ^[1]	5,000 mm	5,100 mm
Max. number of pallets per stack	10	7

^[1] Overall height including LiftMaster Store (Linear).



TruStore Series 3000

Flexible universal storage system.

- Expandable up to fully automated production
- Automatic multi-shift operation due to larger capacity
- Shorter cycle times due to independent shelf servicing device
- Can be enlarged at any time
- Flexible connection options

	TruStore 3030	TruStore 3040
Max. sheet size	3,000 x 1,500 mm	4,000 x 2,000 mm
Loading height	90/170 mm	90/170 mm
Max. load per pallet	3,000 kg	5,000 kg
System height ^[1]	8,200 mm	8,390 mm
Max. number of pallets per stack	35	25

^[1] Depending on extension level.

Electric and cordless tools.



Professional sheet metal fabricators all over the world trust in the user-friendly electric and cordless power tools from TRUMPF. Over 75 years of experience go into the making of these robust tools which are used in workshops, factories and for on-site assembly. They often supplement stationary machines. Whether your work involves cutting, joining or bevelling, safety and precision are always ensured. With tools from TRUMPF, you can count on the highest quality and state-of-the-art technology: for instance with Li-Ion batteries that make you independent of the power source. This allows long-term, fault-free tool operation coupled with consistently high performance – with no memory effect at all.

Cutting	Slitting shears, shears, nibblers, profile nibblers
Fastening	Seam lockers, power fasteners
Edge forming	Bevellers, deburrers



TruTool TSC 100

Uniquely clean slats.

- Removes not only mild steel and aluminum slag, but also tough stainless steel slag
- Best cleaning results for a longer slat lifespan
- Easy, one person operation
- Can be used on 2D laser machines with up to 8 kW power
- Clean the slats of your pallet changer parallel to production

Slat cleaner TruTool TSC 100

Slat thickness	2–3.9 mm
Max. slag thickness	25 mm
Min. slat spacing	33.5 mm
Working speed	4–8 m/min
Rated input power	1,400 W
Weight	16.3 kg

Marking lasers:

Characters of light.



With the TruMark lasers and TruMark Station laser workstations, you can create high-quality permanent markings of all kinds. You benefit from easy handling and unlimited flexibility in marking and refining your products.

TruMark Station



Safe and powerful laser stations for marking applications of all kinds.

- Ergonomic machine design
- Large, easily accessible work area
- Diverse automation options

	TruMark Station 1000	TruMark Station 5000
Width	410 mm	860 mm
Height	521 mm	2,000 mm
Depth	831 mm	1,310 mm
Weight	40 kg	410 kg
Electrical connection	–	230/200/115 V 50/60 Hz 10/13/15/16/20 A ^[1]
Available axes	Z	X, Y, Z, A
Available laser series	TruMark Series 3000	TruMark Series 3000/ 5000/6000
Laser safety	Laser protection class 1	Laser protection class 1

^[1] Depending on laser series.

**TruMark
Station 7000**

1,200 mm

2,000 mm

1,200 mm

612 kg

400/200 V

50/60 Hz

12.5/25 A

X, Y, Z, A

TruMark Series 6000

Laser protection class 1

TruMark



Marking lasers with a modular design for the widest variety of marking tasks.

- Optimal lasers for every marking task
- Air- and water-cooled systems with up to 45 °C temperature stability
- Extreme pulse peak power combined with excellent beam quality
- Modular flexibility for unlimited integration possibilities
- Systems from a single source: Plug-and-Produce

	TruMark Series 3000	TruMark Series 5000
Dimensions laser head	380 x 138 x 115/138 mm ³	414 x 131 x 157 mm ³
Dimensions supply unit	420 x 445 x 465 mm ³	420 x 445 x 550 mm ³
Weight laser head	max. 10 kg	8 kg
Weight supply unit	34 kg	47 kg
Available wave lengths	532/1,064 nm	1,062 ± 3 nm
Laser active medium	Nd:YAG, Nd:YVO ₄	Yb:fiber
Electrical connection	85 .. 264 V 47 .. 63 Hz 10 A	85 .. 264 V 47 .. 63 Hz 10 A
Laser safety	Laser protection class 4	Laser protection class 4

TruMark Series 6000

670 x 200 x 301 mm³

785 x 445 x 645 mm³

max. 34 kg

104 kg

1,064 nm, 355 nm

Nd:YAG, Nd:YVO₄

230/115 V

50/60 Hz

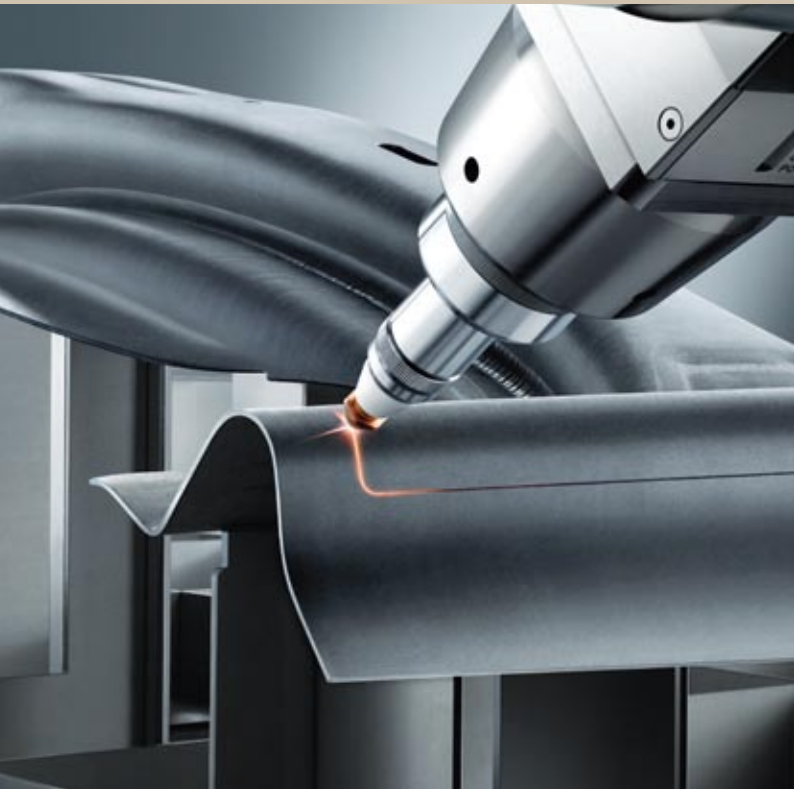
16 A

Laser protection class 4

Laser systems:

Up to the
challenge.

TRUMPF laser systems open up every possibility of versatile and cost-efficient 3D material processing: cutting, welding, deposition welding, brazing or hardening.



TruLaser Cell Series 1000



Perfect for the welding of coils, tubes and profiles as well as rotationally-symmetrical components.

- Flexible beam-guidance system
- Robust and easy to integrate
- Can be configured to meet individual needs
- Twice as economical with two processing heads

TruLaser Cell 1100

Axis travel	X: 300 mm/500 mm Z: 300 mm/500 mm Q: 50 mm
Positioning accuracy	X/Z: 0.1 mm; Q: 0.05 mm
Max. laser power	12,000 W
Available lasers	TruFlow/TruDisk/TruDiode



TruLaser Cell 3000

Universal laser systems for welding and cutting of small and medium sized workpieces.

- Top quality processing in 2 and 3 dimensions
- High productivity
- Flexible, innovative solutions
- User-friendly design

TruLaser Cell 3000

Axis travel X/Y/Z	800 x 600 x 400 mm ³
Diameter rotary table ^[1]	1,065 mm
Max. speed simultaneous	85 m/min
Max. laser power	8,000 W
Available lasers	TruPulse, TruFiber, TruDisk, TruDiode

^[1] for version with rotary changer.

TruLaser Cell Series 7000



High-end laser systems for flexible 3D material processing.

- Modular design and customized retrofit options
- For cutting, welding and deposition welding
- Best processing quality
- Cost-efficient manufacturing
- Easy, ergonomic operation

TruLaser Cell Series 7000

Working range	4,000/2,000 x 1,500/2,000 x 750 mm ³
Max. speed simultaneous	173 m/min
Max. laser power	15,000 W
Available lasers	TruFlow/TruDisk



TruLaser Cell Series 8000

The compact 3D laser cutting machines for maximum productivity and minimum costs per part.

- Compact footprint
- Maximum productivity
- Extremely high availability
- Innovations to increase process reliability
- Ergonomic design

TruLaser Cell 8030

Working range X/Y/Z	3,000 x 1,300 x 600 mm ³
Max. speed simultaneous	173 m/min
Max. laser power	3,000 - 4,000 W
Available lasers	TruDisk 3001 - 4001

TruLaser Robot Series 5000



Robot system for welding, cutting and soldering large and short production runs.

- High flexibility
- Economical – even with small batch sizes
- Turnkey operation for highest availability
- Modular design using standard components
- User-friendly control unit and software

TruLaser Robot 5020

Working range (component size)	1,400 x 800 x 1,200 mm ³
Technology packages	Laser cutting, laser welding, laser metal deposition, remote welding
Max. laser power	16,000 W
Available lasers	TruDisk/TruDiode

TruLaser Station Series 3000



Flexible laser workstations for short and medium runs.

- Ideal for a wide variety of tasks
- Ergonomic and compact
- Simple to operate

TruLaser Station 3002

Variant	Lift gates	Rotating changer	Lift gates + axes
Axis travel	Z = 300 mm	Z = 300 mm	X = 250 mm Y = 250 mm Z = 300 mm A = n x 360°
Max. field size PFO	140 x 170 mm ² elliptical	140 x 170 mm ² elliptical	
Max. laser power	1,000 W		
Available lasers	TruPulse/TruDisk/TruFiber/TruDiode		
Footprint	1 m ² + 1.5 m ²		
Laser safety	Laser protection class 1		

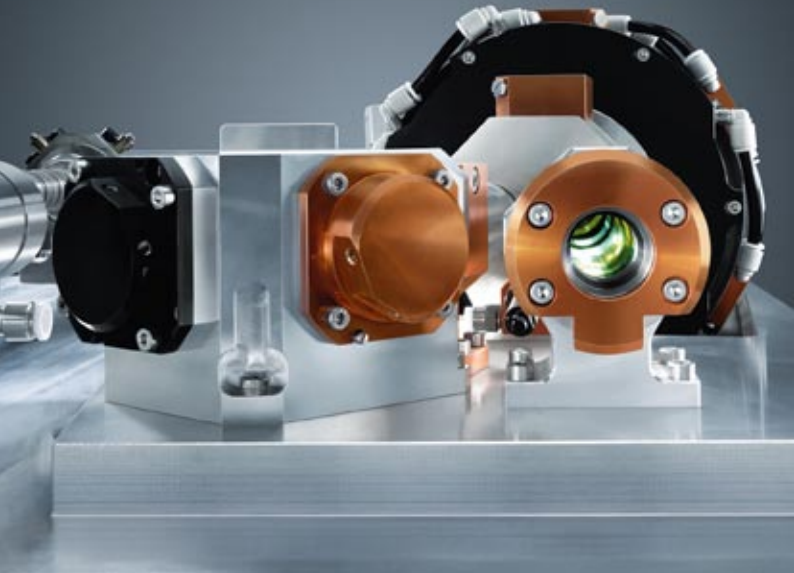
TruLaser Station 3003

Variant	Lift gates	Lift gates + axes
Axis travel	Z = 500 mm A = n x 360°	X = 250 mm Y = 250 mm Z = 300 mm A = n x 360°
Max. field size PFO	190 x 320 mm ² elliptical	
Max. laser power	1,000 W	
Available lasers	TruPulse/TruDisk/TruFiber/TruDiode	
Footprint including laser device	1 m ² + 1.5 m ²	
Laser safety	Laser protection class 1	

Laser:

Solve every
task perfectly.

Choose the ideal beam source for your production task from our wide range of CO₂ and solid-state lasers. With TRUMPF lasers, you will produce perfect results in welding, cutting, drilling, ablating and marking.



TruFlow



Universal CO₂ lasers for cutting, welding and much more.

- Utterly reliable
- Highly productive and flexible
- Maximum parameter stability
- Minimal operating costs
- Simple and safe operation

	TruFlow 2700	TruFlow 3200	TruFlow 4000
Max. laser power	2,700 W	3,200 W	4,000 W
Max. thickness:			
Mild steel	15 mm	20 mm	20 mm
Stainless steel	6 mm	12 mm	15 mm
Aluminum	5 mm	8 mm	10 mm

	TruFlow 5000	TruFlow 6000	TruFlow 7000
Max. laser power	5,000 W	6,000 W	7,000 W
Max. thickness:			
Mild steel	25 mm	25 mm	25 mm
Stainless steel	20 mm	25 mm	30 mm
Aluminum	12 mm	15 mm	20 mm



TruCoax

Compact, diffusion-cooled CO₂ lasers
for thin-sheet processing.

- Very easy integration
- Maximum reliability, minimal maintenance
- Laser gas included

	TruCoax 1000	TruCoax 2000
Max. laser power	1,000 W	2,000 W
Max. thickness:		
Mild steel	on request	12 mm
Stainless steel	on request	6 mm
Aluminum	on request	5 mm

TruDisk



High performance with a disk.

- Brilliant beam quality
- Maximum availability and low operating costs due to long-lasting pump diodes
- Real-time laser power control for consistent and reproducible results
- Impressive in the laser network
- Secure and stable – unaffected by back reflection

	TruDisk 1000	TruDisk 2001 – TruDisk 8002	TruDisk 10002 – TruDisk 16002
Laser power ^[1]	1,000 W	2,000–8,000 W	10,000–16,000 W
Beam quality	2 mm · mrad	4/8 mm · mrad	8/12 mm · mrad
∅ laser light cable	50 µm	100/200 µm	200/300 µm

^[1] Regulated at the workpiece regardless of the ambient temperature.



TruDiode

Direct diode lasers for maximum efficiency.

- Reproducible application results
- Maximum availability due to state-of-the-art diode concept
- Low operating costs
- Optionally upgradable in the field
- Compact and modular design

TruDiode 804-3006

Laser power ^[1]	800–3,000 W
Beam quality	> 20 mm · mrad
∅ laser light cable	400/600 µm

^[1] Regulated at the workpiece regardless of the ambient temperature.

TruFiber



Fiber lasers for welding and cutting with the highest precision.

- Equipped with all components – for smooth operation
- Extremely precise and adjustable
- Real-time laser power control for reproducible results under any conditions
- Optimized precision cutting with Cutassist
- Intuitive operation

	TruFiber 200	TruFiber 300	TruFiber 400
Laser power	200 W	300 W	400 W
Beam quality	$M^2 < 1.1$	$M^2 < 1.1$	$M^2 < 1.1$

Available as compact 19" version or stand-alone version.



TruPulse

Pulsed spot or seam welding and cutting –
in both the manual and automated sectors.

- Finely graded product range with variable laser parameters
- Modular, compact device design
- Dynamic real-time power control for high pulse-to-pulse stability, thus high reproducibility
- Special software function to increase productivity
- Operational support function included

TruPulse 21 – TruPulse 556

Average laser power ⁽¹⁾	20–530 W
Max. pulse power	1.5–10 kW
Max. pulse energy	15–120 J
Pulse duration	0.2–50 ms
Beam quality	4–25 mm · mrad
∅ laser light cable	100–600 µm

⁽¹⁾ Regulated at the workpiece throughout the entire life of the lamps, depending on the pulse duration and pulse energy selected.

TruMicro



Short and ultra-short pulsed lasers for structuring, ablation, cutting or drilling in micro-production.

- High beam quality for absolute precision
- Maximum productivity and profitability
- Zero or only targeted heat penetration
- High stability for optimum quality

TruMicro Series 3000

TruMicro Series 5000

Wavelength	532 / 1064 nm	343 / 515 / 1030 nm
Average laser power	8 W (at 40 kHz) / 12 W (at 100 kHz)	5 – 100 W
Beam quality	$M^2 < 1.2$	$M^2 < 1.3$
Pulse duration	8–40 ns	< 10 ps
Pulse frequency	1–150 kHz	200–800 kHz

TruMicro Series 7000

515/1030 nm

300–750 W

from 4 mm · mrad (LLK01)

30–300 ns

5–100 kHz

- 1 Finance
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- 3 Punching Tools and Tooling Accessories
- 4 Bending Tools and Bending Accessories
- 5 Spare Parts
- 6 Technical Service
- 7 Service Agreements
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- 9 Customer Training
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TruServices:

Service like
no other.

No matter which TRUMPF machine you use, you always get the right service throughout the lifetime of the machine. Our services optimize the availability of your machines and enable you to be even more productive.





Stay flexible on a solid basis.

- Machine and financing from one source – independent of banks
- Financing solutions are customized to your needs
- Quick decision
- Easy and uncomplicated procedure
- Personal consulting and attention throughout the life of the financing

Financing concepts

Leasing agreement with a cancellation option

Upon expiration of the basic rental period, you can choose between continuing to use or returning the leased object. Balance sheet at TRUMPF.

Operate Leasing

Usage of a TRUMPF product over a clearly defined period of time. Balance sheet at TRUMPF.

Hire-purchase agreement

You buy the machine via monthly payments. Your balance sheet.

Investment credit

We support you in the purchase of subsidy-eligible investments. Your balance sheet.



TruServices

Software

Programmed for success.

- Unique mix of productivity and process reliability
- Optimal machine function support
- Software solutions for all sheet-metal-related processes
- Flexibility through modular design
- Worldwide support and reliability from the market leader

Design

SheetAdvisor	Efficient drawing of complex sheet designs in 3D.
TruTops CAD	Fast and easy creation of sheet metal-oriented drawings.
TruTops Unfold	Unfolding of 3D data with production-oriented parameters in seconds.
TruTops Convert	Converting your existing CAD files automatically.

Programming systems

TruTops Laser	Efficient and process-reliable NC programs for your laser machine.
TruTops Punch	Perfect support in punching and combination processing.
TruTops Bend	Fast programming of your bending machine during production.
TruTops Tube	Your introduction to TRUMPF tube processing and tube design.
TruTops Cell	Complex 3D processing made easy.

TruServices

Software



Production Control

TruTops Fab	Direct the entire production process yourself.
TruTops Monitor	Simple capture and interpretation of machine data.
TruTops Fab Module Storage	Optimizing time and space requirements of automated storage systems.
TruTops Message	Be well informed to reduce down times.
TruTops Calculate	Reliable calculation of time and costs.
WebCalculation	Prepare quotations efficiently: let the end customers create the quotation.

Custom Development

System integration	Integrate TRUMPF software into your systems environment perfectly.
Automated components	Automated components adapted to your parts spectrum.
Individual development	Custom-designed development services according to your needs.



TruServices

Punching Tools and Tooling Accessories

Know-how for every application.

- Customized consulting, solution and production
- Tools for every application
- Adapted to software and machines
- Easy and uncomplicated ordering procedure
- Quick and reliable delivery

Punching Tools	Large portfolio of punching tool systems: Classic, MultiTool, MultiUse and cutting tools.
Forming Tools	Punching in the third dimension with the comprehensive forming program.
Roller Tools	Rapid forming, cutting and deburring with roller technology on your punching or combination machine.
Embossing and Marking Tools	The ideal tool for every kind of sheet marking.
Tooling Accessories	Solutions for setting up, grinding, storing and managing tools.

TruServices

Bending Tools and Bending Accessories



Customized to your specifications.

- Customer-specific consultation and production
- Tools and machines from the same source
- Highly precise and long-lasting tools
- Quick availability of tools
- Convenient ordering procedure

Standard Tools

The comprehensive bending tool portfolio.

Special Tools

The individual and ideal tool solution for you.

Measurement Tools

For optimal accuracy based on the reliable ACB principle.

Tooling Accessories

From bolt to sensor module, as well as product enhancements for your tools.



TruServices

Spare Parts

Quality in every detail.

- Fast, reliable delivery around the world, thanks to the efficient TRUMPF Spare Part logistics system
- Convenient ordering by telephone, fax, e-mail or E-shop
- Competent consulting
- Continuous development of TRUMPF Original Spare Parts
- All service and wear parts from a single source
- Attractive credit system Xchange

Service Parts

Around 30,000 different items are ready for shipment.

Wear Parts

TRUMPF original parts are optimally designed for your machine.

Accessories

The right accessories for production and maintenance.

TruServices

Technical Service



You can count on us.

- Intricate service network worldwide
- Quick support in case of breakdown
- Our service technicians have high training and quality standards

Installation	Ideal installation preparation and instruction of your operating staff.
Phone Hotline	Competent consultation and fast reply to any questions about machines or programming software.
Remote Service	The direct connection between you machine and our consultants – to find causes and discover solution options quickly.
Spare Part Service	High spare part availability and a fast and reliable 24x7 delivery avoid delays within the production plan and reduce downtimes to a minimum.
Repairs	Fast and sustainable solutions thanks to highly qualified service technicians.
Maintenance	Machine maintenances on a regular basis for the highest machine availability through Service Agreements.
Machine relocation	Perfektly organized – everything from one supplier.



TruServices

Service Agreements

For the highest machine availability.

- Highest accessibility and productivity of your machine due to less repairs
- Easily budgeted service and operating costs due to fixed annual lump sums
- Optimal maintenance preserves machine value due to maintenance incl. documentation on a regular basis

Type of agreement

Our Service Agreements build on each other and consist of an increasing number of services. And there's a special Service Agreement for our software products.

Basic	Teleservice and more.
Classic	Preventive maintenance.
Special	Maintenance and repair.
Premium	Full service including spare parts.
Software	Regular updates.

TruServices

Product Enhancements



Your machine can do more.

- Flexible expansion of production options
- Increase in productivity
- Profit from TRUMPF innovations
- Increasing the value of the machine

Automation components

Whether with SheetMaster, SortMaster Box or ToolMaster, you will facilitate sheet handling, increase the output and shorten processing time.

Expanded machine configuration

More possibilities for sheet processing and greater part quality, e. g. with deburring and roller technology, additional plugs or thread forms.

Software

Technology independent software makes process lean, creates transparency and increases your productivity-e.g. with the TruTops Fab module Quickjob or Storage.



TruServices

Customer Training

The knowledge advantage.

- Wide range of course offerings – for beginner to expert
- Experienced trainers
- Ideal learning environment in our own training centers
- A large proportion of hands-on exercises
- Online information and booking

Machine training

Learn to use our machines safely:

- Operating courses
- Technology courses
- Service courses
- Maintenance courses

Programming training

Comprehensive training teaches you the best use of programming software and therefore, the machine:

- Basic Programming Training
- Drawing and Nesting
- TruTops Technology
- TruTops Professional
- TruTops Update

All-technology training

Machine-independent continued education topics:

- Punching Technology
- Tolerances for sheet metal parts
- Materials science
- Production process optimization

TruServices

Consulting



Advice through experience.

- Transfer of the manufacturer's knowledge tailored to your needs
- Presented by experienced TRUMPF specialists
- Benefit from your machine's utmost potential
- Seize the competitive advantage

Initial production assistance

TRUMPF supports the start of your production run individually – a smooth start-up guaranteed.

Application consulting

Our experts analyze and optimize your production and programming processes with TRUMPF products. Get the full potential out of your machine and programming software.

Part Design

Discover the variety of design possibilities in sheet and tube processing and laser welding.

Production processes

Let us give you our professional support in the further development of your production processes and profit from our experience with the TRUMPF SYNCHRO production system.



TruServices

Pre-owned Machines

First choice for second hand.

- Trade-in of used TRUMPF machines at fair market prices
- Providing Pre-owned Machines to certified partners
- Free Internet exchange
- Fair and independent assessment of machine value
- Locating and selling appropriate used TRUMPF machines

TRUMPF is certified according to ISO 9001:2008
(for additional information see www.trumpf.com/en/quality)

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