



1000 Series

Economic Entry Level Machines



TRUMPF Group was founded in Germany in

1923

70+

branches worldwide

13,500

employees

10.2%

R&D Investment

3.6 billion

Euros of sales (17/18)

Figures as of FY 18/19.



Machine Tool

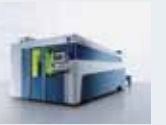
1957

First machine tool with coordinate guide rail



2010

TruLaser 5030 fiber : high-efficiency solid state laser cutting machine



2015

AXOOM: Intelligent plant management system



Punching

Laser

1985

TLF 1000 - First self-developed CO₂ laser resonator



1999

TruDisk - First disk laser resonator



2013

Ultrashort pulse laser awarded German Future Prize ("Deutscher Zukunftspreis")

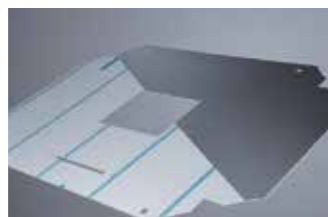
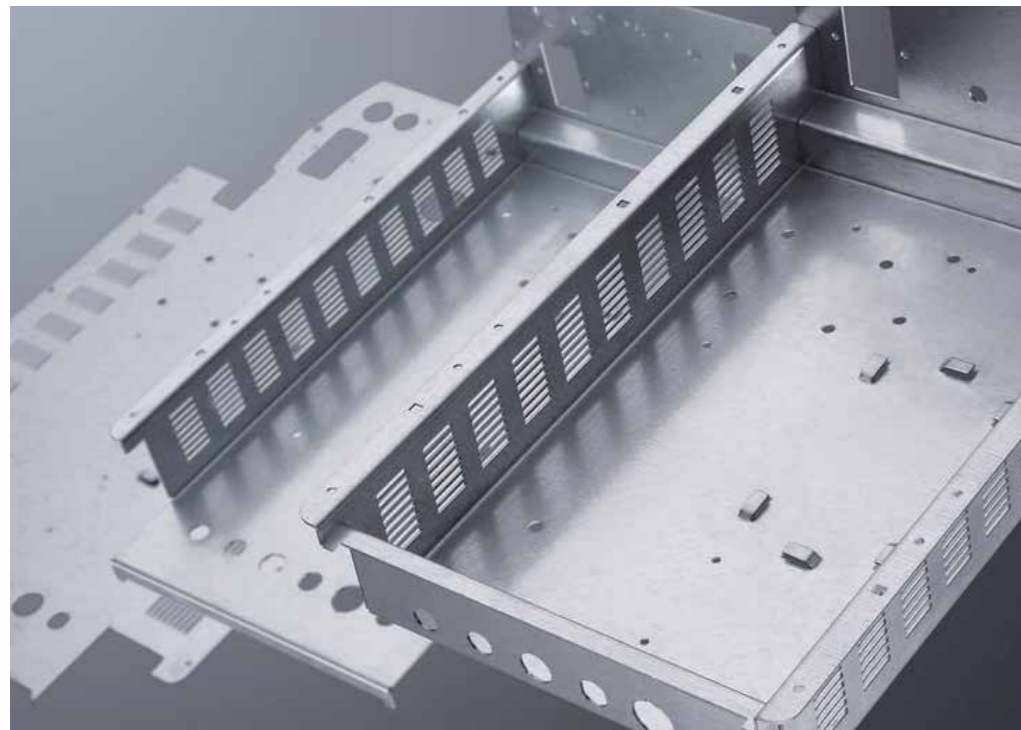


Application Fields

Cabinets, auto parts, kitchenware equipments, machinery equipments, consumer electronics etc. - products processed by TRUMPF can be found everywhere.

Precision processing quality, unparalleled efficiency, stable and reliable production - TRUMPF provides manufacturing plants with a quick path to success.

From laser cutting to bending, welding to 3D printing, TRUMPF provides a full range of processing equipments and a complete set of solutions.



Entry Level Solutions



TruPunch 1000

Cost-Effective Entry Level Machine

The ideal punching machine for first-time professional users. It takes up a minimum space and easy to operate, yet capable of handling the full range of basic applications.



TruLaser 1030 fiber

Robust & Economical Laser Machine

The 3 or 4 meters machine enable laser cutting (2 – 4 kW) with low investment and operating costs for the entire range of applications. They impress with their reliability and ease of operation.



TruBend 1100

Reliable Basic Machine

The TruBend1100 incorporates a wealth of experience in press brake technology coupled with pioneering innovations. It enables the fabrication of parts in any format, from the simplest to the most complex, precisely and cost-effectively.

Lean Production with High Efficiency and Constant Quality

The solid state laser cutting machine TruLaser 1000 fiber features stable laser output power, TRUMPF's unique anti-collision cutting head and standard TRUMPF cutting data that guard your long-term stable production, especially suitable for sheet metal plants with products of their own.

.NEW



01

Stable production and constant quality

TRUMPF's unique design and reliable techniques

02

More than just fast

TRUMPF's innovative smart features can greatly decrease the production preparation time and raise the machine usage ratio

03

Economic, energy-saving

TruDisk laser and economic production technology

04

Safe, environmentally friendly

Fully enclosed machine design with dust extraction system

05

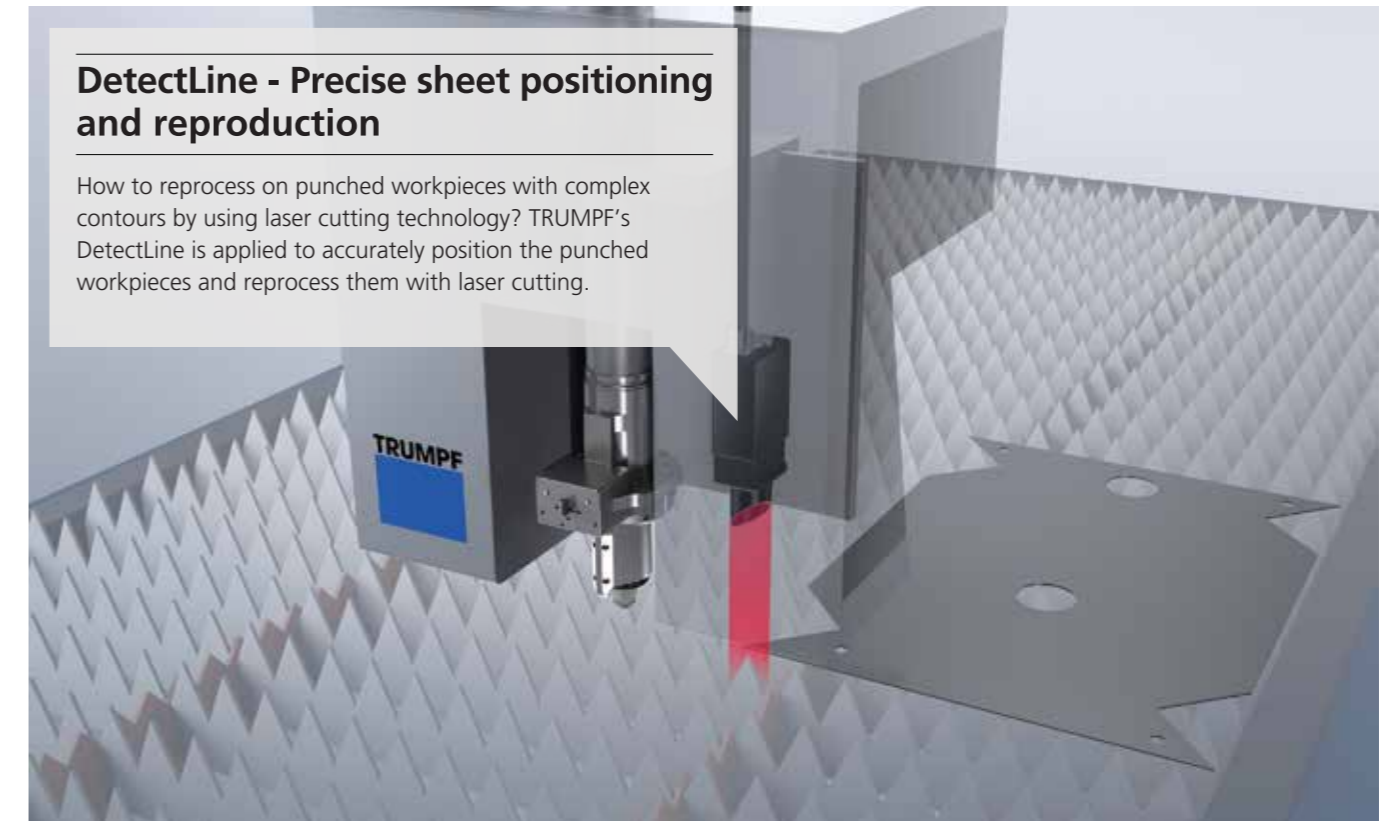
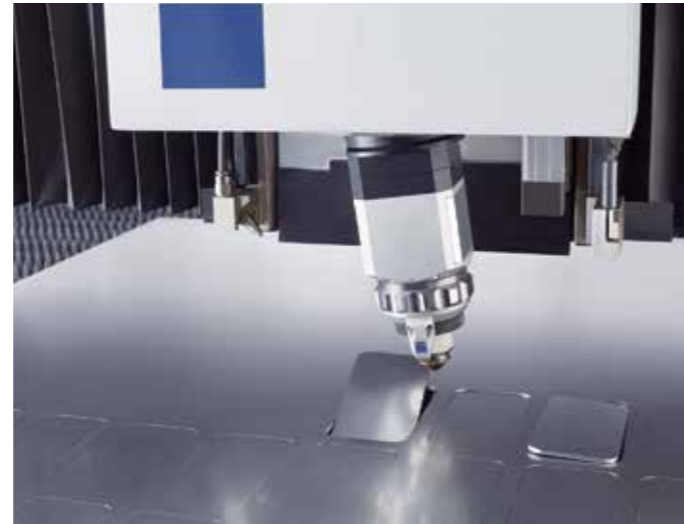
Automated, digitalized

TRUMPF TruConnect for intelligent interconnection

01

Stable production, constant quality

The TruDisk laser features power closed – loop control that can maintain the power stability error under 1%, thus ensuring the long term stability of the production process. TRUMPF cutting data are based on Asian raw materials and are achieved with long – term R&D and application which guarantees stable quality. The unique cutting head features the Collision Protection function that reduces downtime and loss in case of a part collision.



DetectLine - Precise sheet positioning and reproduction

How to reprocess on punched workpieces with complex contours by using laser cutting technology? TRUMPF's DetectLine is applied to accurately position the punched workpieces and reprocess them with laser cutting.

*DetectLine Precise sheet position detection and reproduction is optional

02

More than just fast

With TRUMPF smart cutting head, standard cutting data, fast reproduction and other features, the production preparation time is decreased to a minimum, so that the utilization ratio of the machine is optimized.



03

Economic, energy-saving

TRUMPF TruDisk laser and on demand drive contribute significantly to saving energy. The automatic shutdown function reduces operating costs and provides extra capacity.



04

Safe, environmentally friendly

Adhering to our consistent design concept, TRUMPF provides the users with a safe and green production environment. Fully enclosed machine design and high – quality laser protection windows ensure laser safety in the production area. A dust extraction system ensures a safe working environment that protects you from the smoke and dust.

05

Automated, digitalized

Automation and digital expansion by TruConnect improves processing reliability. The transparent production process supports the optimization of production.





	TruLaser 1030 fiber	TruLaser 1040 fiber
Working Range		
X axis	3000 mm	4000 mm
Y axis	1500 mm	2000 mm
Z axis	126mm	126mm
Workpiece		
Maximum weight	1100 kg	2000 kg
Maximum Positioning Speed		
X, Y axis simultaneous	140 m/min	
Accuracy		
Positioning accuracy	0.05 mm	
Re-positioning accuracy	0.03 mm	
Laser available	TruDisk 2001 / TruDisk 3001 / TruDisk 4001	

	TruDisk 2001	TruDisk 3001	TruDisk 4001
Maximum power	2000 W	3000 W	4000 W
Maximum Cutting Thickness ^[1]			
Mild steel	16 mm	20 mm	25 mm
Stainless steel	8 mm	15 mm	20 mm
Aluminum alloy	2 mm	15 mm	20 mm
Brass	1.3 mm	6 mm	8 mm
Copper	1.5 mm	6 mm	8 mm
Average power consumption in production	12 kW	13 kW	14 kW

^[1] The machine tool should be maintained in good conditions; The cutting gas should meet TRUMPF's installation and preparation requirements; Materials should be in good quality. The cutting quality is supposed to be in line with the solid state laser cutting quality standard.

Cost Effective Entry Level Machine

The TruPunch 1000 is the perfect entry to professional punching. The compact machine excels with its high level of processing flexibility: In addition to just punching, you can also use it to form threads, extrude, and bend flanges. You can process midsize sheets completely in one tool setup without repositioning. You can even produce smaller orders and lot sizes economically, quickly and with flexibility.

01

Versatile

Punching with 360
degrees tool rotation

02

Cost-effective

Even at low capacity

03

Easy

Operation

04

Manufacture

High-quality parts



01

Versatile

Punching with 360 degrees tool rotation

Punching, forming, tapping, marking, engraving, deburring: The TruPunch 1000 (S05) can flexibly handle all processing variants – and in sheet thicknesses of up to 6.4 mm. Get ready for full 360° tool rotation and access to the entire TRUMPF punching expertise.



The punching head can rotate any tool to any desired position.

02

Cost-effective

even at low capacity

This machine features low investment and operating costs. You can manufacture even small jobs and batch sizes cost-effectively, quickly, and flexibly.

03

Easy

operation

Thanks to the user-friendly control system, you can manufacture both simple and complex parts in a very short time. Even beginners can operate this machine reliably and safely. This is ensured by the clear touchscreen display, the ergonomic control panel, and the intuitive menu guidance.



Simply intuitive: Control via touchscreen.

04

Manufacture

high-quality parts

The tried-and-tested machine concept guarantees you a high and consistent level of precision – the ideal basis for high part quality.

Roller Deburring Tool

Ensure optimum edge quality by deburring simple, large workpieces direct on the machine.

**Forming Tools**

Forming tools enable you to deform your sheet metal parts.



With the MultiTool tools, you can not only carry out punching processes highly productively, but you can also form and emboss. Up to ten different inserts in one tool adapter ensure shorter setup and tool change times.



TruPunch 1000	
Dimensions	
Width	6550 mm ⁽¹⁾
Depth	7144 mm ⁽¹⁾
Height	2155 mm ⁽¹⁾
Max. Stroke Rate	
Punching (E = 1 MM)	600 RPM
Marking	1300 RPM
Working Range	
Punching Mode, X axis	2500 mm
Punching Mode, Y axis	1250 mm
Max. Sheet Thickness	6.4 mm
Max. Workpiece Weight	150 kg
Max. Punching Force	165 kN
Tools	
Multitool Tool Changing Time	2.4 sec
Number Of Tools/clamps	18 Pieces / 2 Pieces
Part Removal	
Max. Part Size, Part Removal Flap, Punches	180 mm x 150 mm
Max. Part Size - Punching Part Removal Flap (With Moving Table)	180 mm x 500 mm
Max. Part Size - Fixed Punching Chute (With Moving Table)	460 mm x 500 mm
Consumption Values	
Average Power Consumption of Active Auto-shutdown	0.3 kW
Average Power Input In Production	4.3 kW

⁽¹⁾The dimensions are approximate; the dimensions specified in the installation plan are valid.

Reliable Basic Machine

The TruBend 1000 takes care of all common bending tasks with reliable accuracy. They are the right choice for users wishing to enter the world of TRUMPF. Impress your customers by opting for proven TRUMPF quality.

01

Stability & Durability

Stable closed frame structure design minimizes the risk of machine deformation

02

Innovative Crowning

Unique mechanical and hydraulic crowning system ensures an accurate bending angle over the whole bending length

04

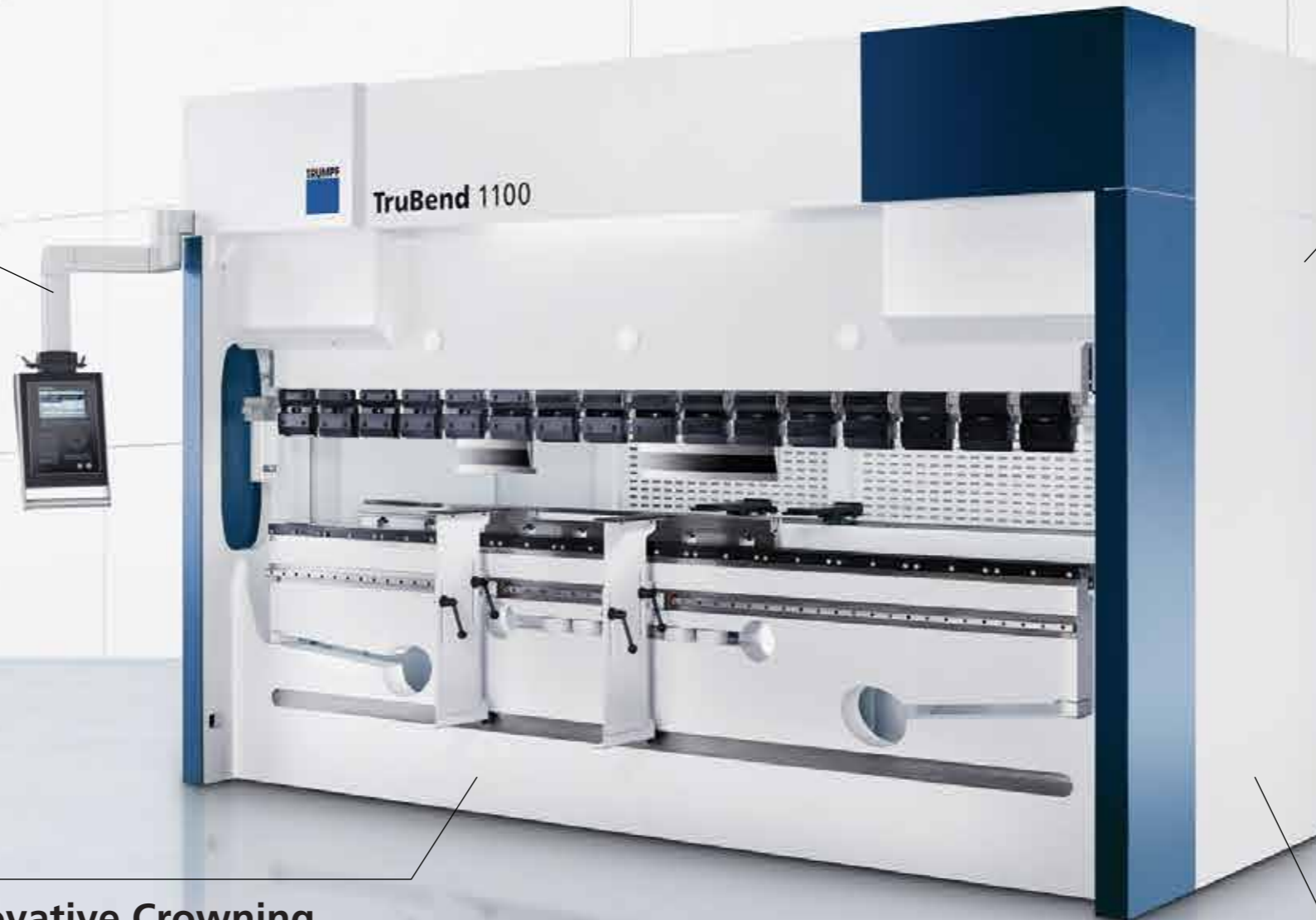
Bending Accuracy

Imported guide rails ensures excellent positioning accuracy of the backgauge

03

Different Clamping Systems

Mechanical or hydraulic clamping systems enable reduction of set up times and tool installation from the front



01

Stable machine frame

Stable closed frame structure design minimizes the risk of machine deformation.



02

Accurate and stable backgauge system

This machine features low investment and operating costs. You can manufacture even small jobs and batch sizes cost-effectively, quickly, and flexibly.



03

Innovative crowning

TRUMPF's unique mechanical and hydraulic crowning system ensures an accurate bending angle over the whole bending length.



04

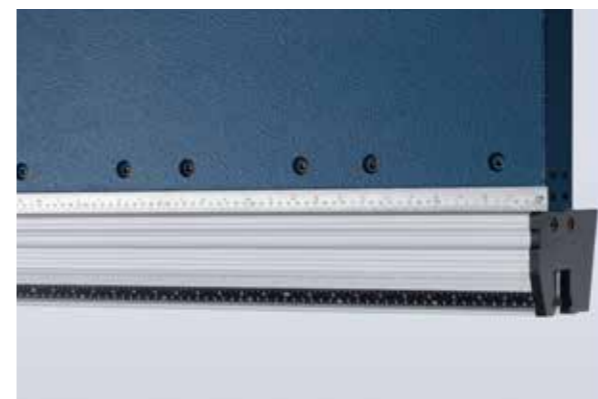
Tooling system as required

You can choose the TRUMPF-style tooling system on TruBend Series 1000, and enjoy the productivity advantages it brings. We also offer an optional traditional style tooling system.



Different clamping systems

We offer different clamping systems according to customers' needs: Mechanical or hydraulic clamping systems enable reduction of set-up times and tool installation from the front.



3D measurement of cylinder

Each cylinder must pass a 3D measurement test, which avoids the risk of oil leakage caused by dimension deviation.





TruBend 1100	
Press force	1000 kN
Bending Length	3060 mm
Width between column	3060 mm
Maximum table/beam distance	470 mm
Usable open height	345 mm
Throat depth*	no restriction
Operating height	1000 mm
Inclination of beam	± 6.5 mm
Speeds	
Y rapid	150 mm/s
Y working	10 mm/s
Y return traverse speed	150 mm/s
X axis	500 mm/s
R axis	200 mm/s
Z axis	1000 mm/s
Precision	
Y axis position accuracy	0.01 mm
X axis position accuracy	0.05 mm
R axis position accuracy	0.1 mm
Working range	
Y axis stroke	200 mm
Travel path X axis	600 mm
Max. gauge area in X	900 mm
Travel path R axis	150 mm
Control	TRUMPF T3500-T
Connection values	
Connected load	20kVA
Oil capacity (approx.)	120 l
Dimensions and weight	
Travel path X axis	3585 x 1625 mm
Max. gauge area in X	2370 mm
Travel path R axis	7700 kg

* No restriction due to closed frame concept instead of conventional C-frame concept.

** According to national regulation, optoelectronic protective devices is a must if Y speed is set to 150 mm/s.

Subject to alteration. Only specifications in our offer and order confirmation are binding.