

RETECON REPORT

An information service to our clients



2025 | 1

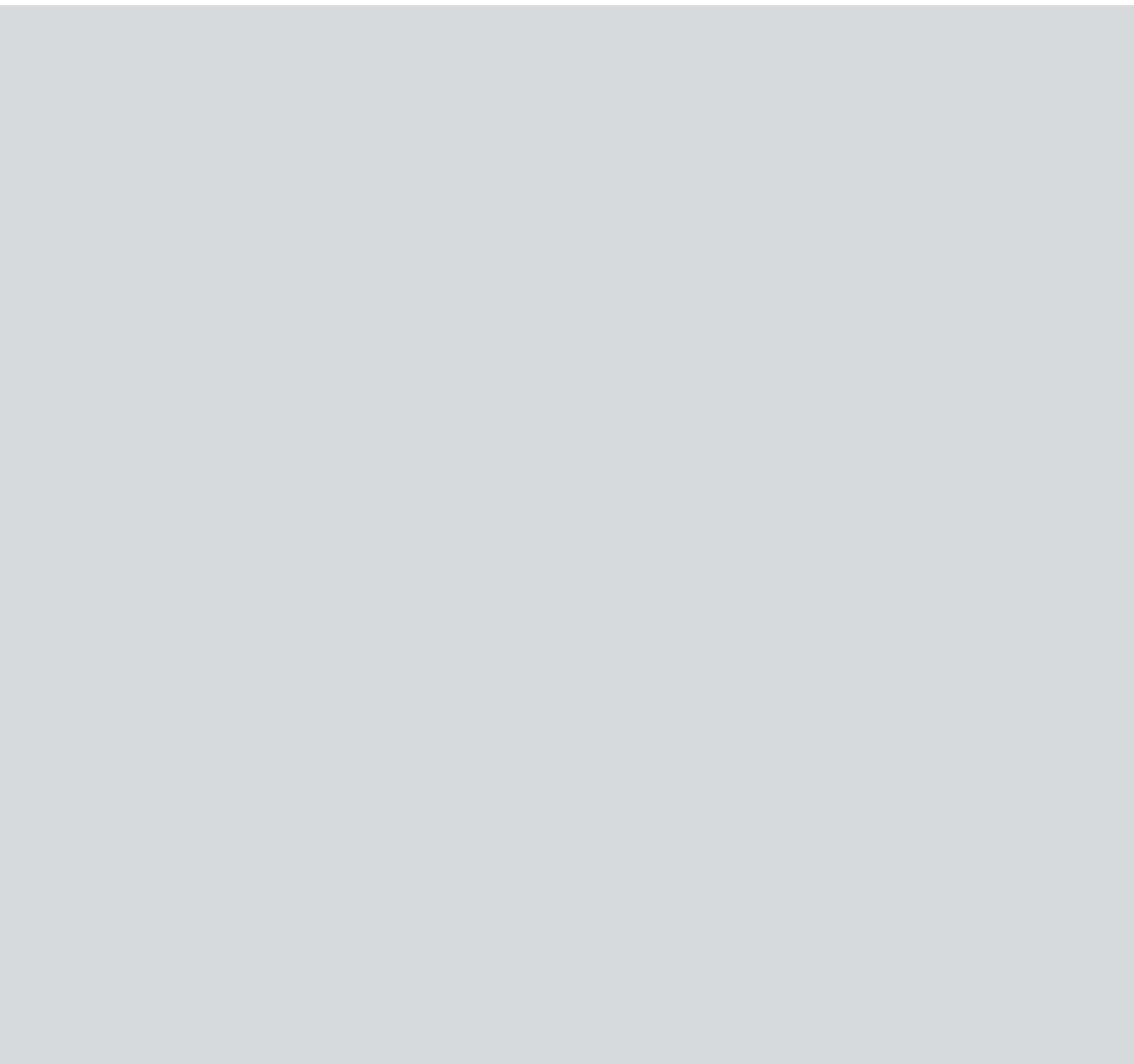
Machine Tools | Cutting Tools | Accessories and Measuring Equipment

GLOBAL and Leitz Reference CMMs



Targeted configurations for specific application requirements





IN THIS EDITION

TRUMPF TruLaser Series 3000	pg 4
TRUMPF TruLaser Series 3000 Cont.	pg 5
MSS NitroCube	pg 6
HYPERTHERM Powermax	pg 7
KOHLER Peak Performer	pg 8
STOPA FLEX	pg 9
STUDER S33	pg 10
ENRX Induction Heating System	pg 11
HELLER F 8000	pg 12
HEXAGON PartInspect	pg 13
TRUMPF Panel Cutter	pg 14
ALPHA LASER ALM	pg 15
KOIKE Portable Cutting Machine	pg 16
VICIVISION PRIMA	pg 17
NUMALLIANCE	pg 18
Markator Marking System	pg 19
RETECON SERVICE	pg 20
GF Machining Solutions	pg 21
FICEP X-Blade / TIPO	pg 22
FICEP KRONOS	pg 23
BEDRA Wire	pg 24

More options, fewer processes



TruLaser Series 3000 Bevel Cut Edition: The laser machine that does more

The TruLaser Series 3000 Bevel Cut Edition is your flexible standard machine with integrated bevel cutting. Process mild steel and stainless steel by applying chamfers and countersinks up to 50° directly on the machine. This reduces follow-up processes and saves up to 80% in processing time. You can also take advantage of all the established TRUMPF functions for vertical cutting of all common materials. More options, fewer processes – the perfect combination for your production.





2D laser cutting machines

TruLaser Series 3000 Bevel Cut Edition



More options, fewer work steps with bevel cutting

The integrated bevel cut makes this 2D laser cutting system a versatile standard machine. Thanks to the groundbreaking technology, you can create precise geometric shapes on the edge of the workpiece by cutting at an angle. The machine can handle bevel angles of up to 50 degrees and is economical from just 5% cut parts with bevel cuts. This saves you up to 80 % in processing time and costs for the entire assembly. Apply chamfers directly on the machine - in thin and thick sheets up to 25 millimeters. When will you invest in more options and fewer work steps?

■ Versatile production

Inclining the cutting unit enables chamfers and countersinks as well as angles up to ± 50 .

■ Large variety of materials

Process a wide range of mild steel and stainless steel in bevel cut and continue to cut all other materials in vertical cut.

■ Fewer work steps

Save on subsequent processes and therefore costs for the entire assembly thanks to bevel cutting.

■ Universal 2D laser cutting machines

In vertical cutting, you can also use all the other functions of the TruLaser Series 3000, such as Highspeed Eco, CoolLine or EdgeLine Bevel.

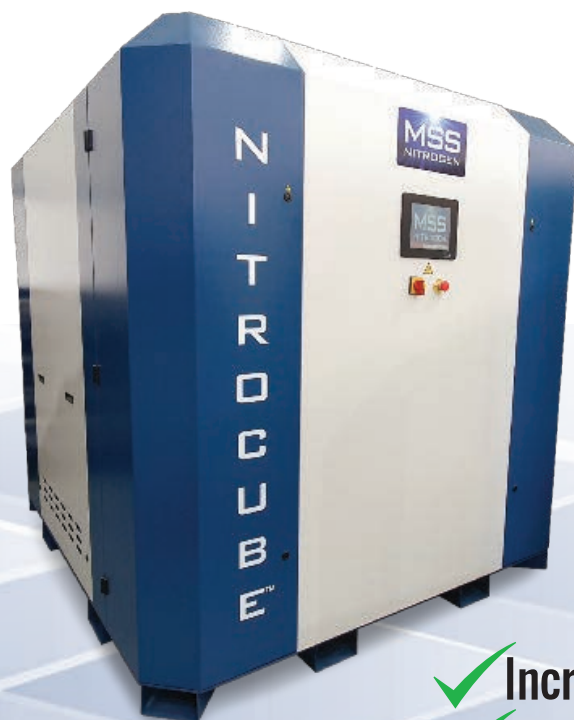


■ EdgeLine Bevel - Cut bevels on the machine

The EdgeLine Bevel function can now do even more: Cut chamfers and indentations, and round off edges directly on your laser cutting machine. You can thus reduce the amount of work required for additional process steps and prevent sharp-edged sheet metal. Simple and quick programming from EdgeLine Bevel supports your range of applications. This specifically means that you can process chamfers with different angles and indentations in several sizes.



NitroCube is the **MOST SIMPLE** and **ECONOMICAL SOLUTION** for on-site nitrogen generation for laser cutting applications



- ✓ Increased productivity
- ✓ Improved product quality
- ✓ Reduced costs
- ✓ Maximum profitability

NitroCube THE BENEFITS

- No machine downtime for cylinder changes or liquid top up
- Laser cut carbon steel faster, cheaper and with an “oxide free edge”
- Self financing, using money otherwise spent on ready made nitrogen
- Guaranteed low cost, high purity nitrogen
- Continuous 24/7 supply
- No running out of gas unexpectedly
- No gas waste, liquid “boil off” or gas bottles returned partially full
- No rental, delivery or environmental charges
- No restrictive gas contracts

INVEST IN

Versatility

Powermax® is the world's most versatile family of portable plasma cutters, delivering unmatched productivity and reliability.

- Cut, mark, and gouge – handheld and automated
- Widest variety of cartridge and torch options available
- Easily access specialty applications with automated setup
- Great cut quality with minimal secondary operations

Powermax® provides the shipbuilding industry with the world's most versatile family of portable plasma cutters for:

Vent and access hole fabrication | Cradle fabrication
Containment system fabrication | Bevel cuts



 **HYPERTHERM®**
A Hypertherm Associates Brand



For further information contact Moritz or Mark on 011 976 8600 or email machines@retecon.co.za

LEVELING WITH KOHLER FOR INCREASED PRODUCTIVITY COMMITTED TO HIGH PERFORMANCE WITHOUT COMPROMISE

Precise leveling results in low-tension and level sheets and partial blanks, thus creating the best conditions to raise productivity and increase quality in downstream processes.



The Peak Performer sets new standards in leveling technology with forward-looking technical features

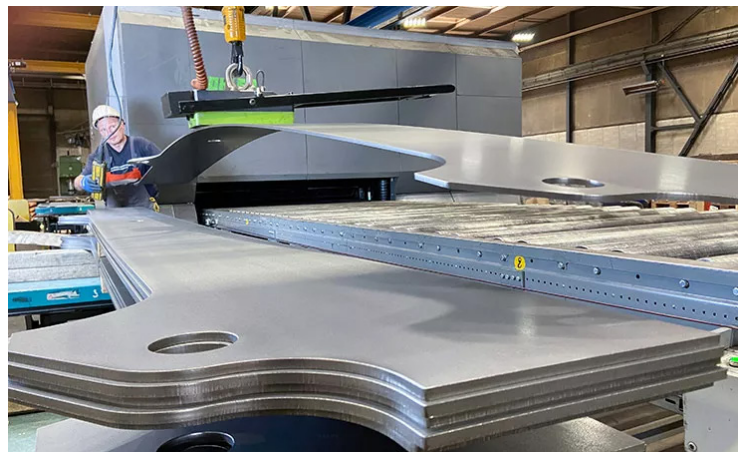
This makes it the right investment choice for quality-focused industrial enterprises in various sectors, including:

- Automotive engineering
- Construction and agricultural machinery
- Mechanical engineering
- Steel service centers
- Housing construction

The hydraulic-free Peak Performer part leveling machine with electromechanical leveling gap control confirms KOHLER's position as the leader in leveling technology and market leader for the sector.

A part leveling machine delivers flatness through a series of rollers that apply pressure to the sheet metal or plate part. The rollers work the material as it makes its way through the machine. The intensity of the pressure applied to the material reduces and eventually eliminates the stresses that are introduced at the metal service center.

- Efficient welding
- Reproducible bending process
- More precise assembly
- Cost efficiency without hydraulics
- Advanced cleaning system

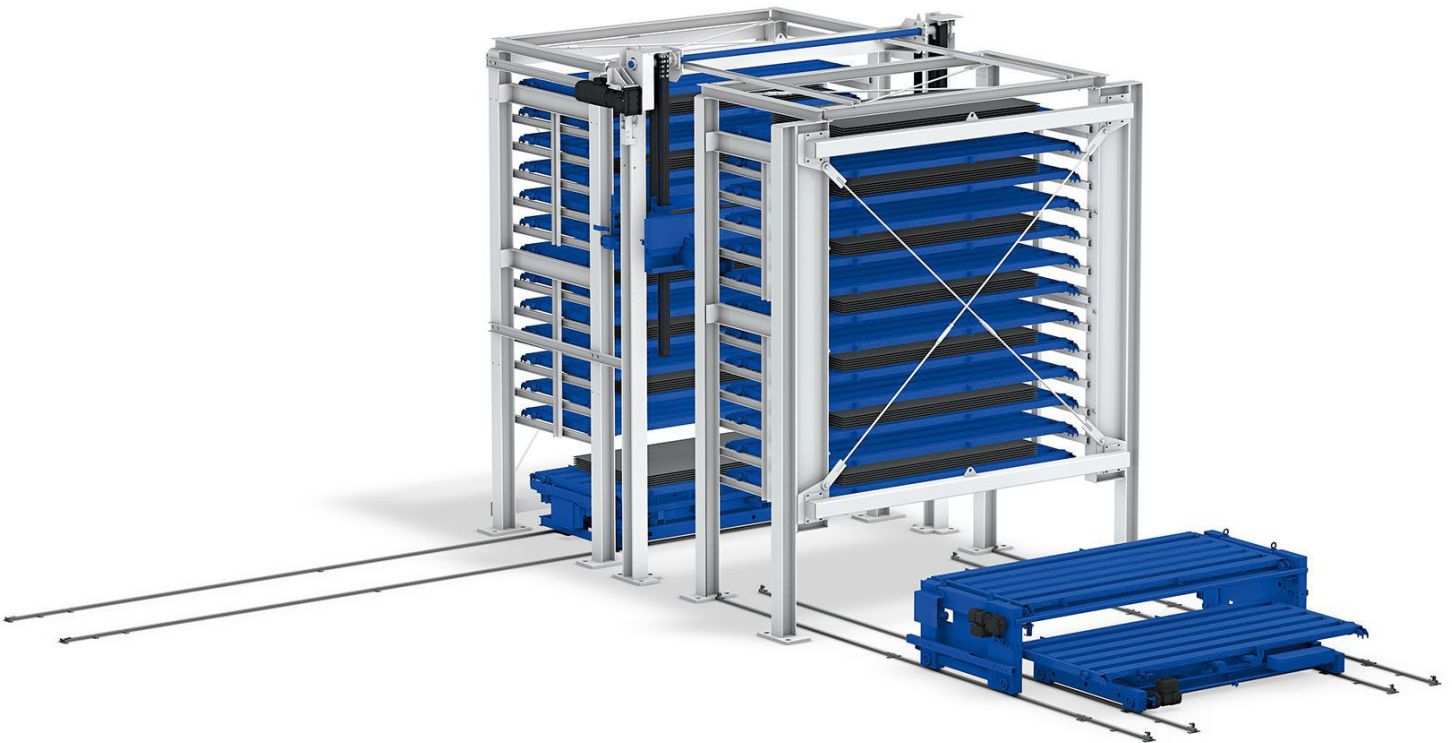


STOPA FLEX

High flexibility for efficient sheet metal material flow

Optimise your workflow with STOPA FLEX, our flexible storage system for efficient material flow! Versatile connection options for stations create ideal conditions for perfecting your processes. Whether it's different sheet formats or other goods: this system offers high storage density with minimal space requirements. The space-saving tower design optimises your space utilisation and gains important production area.

The sturdy construction allows for the storage of even the heaviest loads. STOPA FLEX also enables fully automatic linking with downstream processing machines. As an option, we offer STOPA FLEX as a building-supporting system to spatially separate your inventory and production. Discover the future of process-optimised manufacturing! Depending on the need, long side and short side stations with scissors lift carts and transport carts, also in combination, are possible.

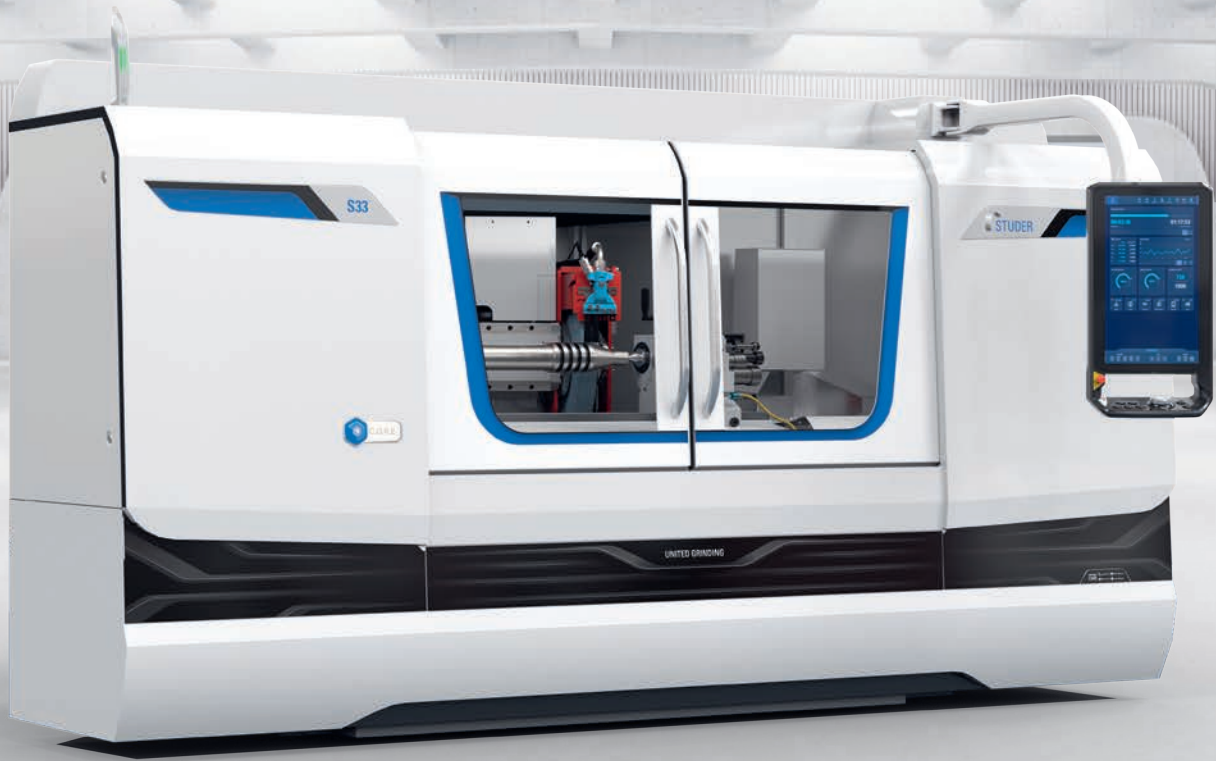


BENEFITS AT A GLANCE →

- Highly flexible storage system in tower construction for various sheet formats and other goods.
- Heavy loads are no problem thanks to the sturdy construction.
- Maximum storage capacities through different loading heights.
- Fully automatic linking with processing machines is optionally possible.
- Pulling and pushing technology ensures high packing density.
- 360° connection of stations possible: long side, short side or in combination.
- Simple and intuitive control.
- Connection to customer's ERP systems optionally available.
- Also available as a building-supporting version.

S33

UNIVERSAL CYLINDRICAL GRINDING MACHINE



Universal and flexible. These are the features of the new S33, the CNC universal cylindrical grinding machine from STUDER. It can grind small to large workpieces in single batch, small or large series and is available with centre distances of 400 mm / 650 mm / 1000 mm / 1600 mm and a centre height of 175 mm. The changeover from grinding between centers to live spindle grinding takes place in record time. Complex workpieces are easily ground in just one clamping.



INTRODUCING THE VENTAC AIR-COOLED INDUCTION HEATING SYSTEM

Highly efficient. Easy to move.

Ventac is a portable air-cooled induction heating system (25 or 50 kW) that combines high continuous output with small size and low weight (only 36 kg). It has a sophisticated temperature control system that lets you stay in charge of your induction heating process. You get the task done quickly and can easily continue with the next one. Ventac is particularly well suited for pre-heating, post-heating and shrink-fitting applications.



Up to 50 kW of continuous power

Ventac has a continuous output of 25 or 50 kW. Unlike other air-cooled induction heating systems, Ventac will give you the power you need to perform your tasks without interruption. When we conducted a pilot project together with a customer regarding Ventac, the result was amazing: The customer could reduce the time per task from 1 hour to 30 minutes. Ventac uses SiC (Silicon Carbide) transistor technology, resulting in high thermal stability and high efficiency of more than 97%.



The low weight is a heavy argument

Ventac sets a new industry standard with its compact size and a weight of 36 kg – just 1/3 of other air- and water-cooled alternatives. This makes it easy to transport to new work sites, and you can even wheel it around the workshop or factory on an robust trolley from ENRX with place for cables. No lift is needed – good for staff health and workplace logistics.

The F 8000 high-performance machining centre

Following the successful introduction of the F 5000 and F 6000 models, HELLER is now extending its new generation 5-axis range at the top end with the F 8000. With numerous innovations that ensure extremely high performance and precision, as well as a small footprint, the F 8000 is suitable for applications in a wide range of industries.



The F 8000 is based on the successful 5-axis F series, which has been on the market for more than a decade. However, it surpasses its predecessors in many areas. For example, at 4.20 metres wide, it has a much narrower footprint and the basic version takes up around 25 per cent less space. In addition, the optional PRO version offers the best technical specifications. Axis acceleration in X/Y/Z has been increased by 50% to 6 m/s². Chip-to-chip time has been reduced by approx. 30 per cent. The F 8000 with PRO package also offers greater precision. Positioning tolerances in X/Y/Z are 6µm – a 25% improvement over the previous model.

Another advantage of the new F 8000 is its large work envelope [X/Y/Z: 1,400/1,200/1,400 mm], which allows larger workpieces to be machined and, above all, the 150 mm longer stroke in the X-axis, which provides even greater machining flexibility. In addition to 800 x 800 mm pallets, it is also possible to use larger 1,000 x 1,000 mm pallets. Head of Development Dr Manuel Gerst explains: “The maximum pallet load is 2,000 kg. And from the end of 2024, we offer an optional pallet load of up to 3,000 kg.”



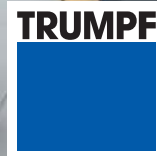


PARTINSPECT L

Straight-forward automation with structured light scanner technology

Modern manufacturing demands the high-speed transfer of information from the physical world to the digital world. The PartInspect automation platform is designed to play a central role in this process – combining straight-forward automation techniques with high-definition structured light scanner technology to remove bottlenecks from the quality control process.

Pairing a premium structured light scanner with a powerful robot arm for automated inspection offline, near-line or at-line, PartInspect offers straight-forward measurement cells with an easy-to-use kiosk interface that simplifies and accelerates repetitive inspection tasks, while a unique combination of automated scan planning and manual fine tuning deliver unmatched flexibility to the user.



Panel Cutter TruTool TPC 165

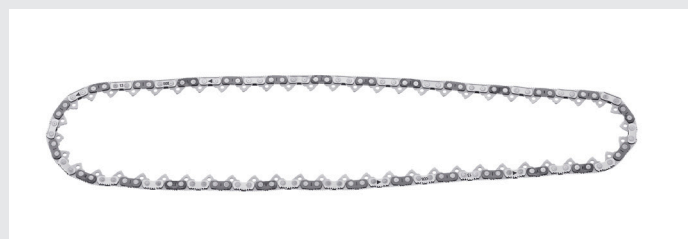
Perfect cuts

With the TruTool TPC 165 Panel Cutter, you can separate polyurethane and polyisocyanurate sandwich panels up to a thickness of 165 mm in one operation, regardless of whether the panel surface is flat, trapezoidal or corrugated.

NOW AVAILABLE in South Africa

The machine can handle diverse applications, ranging from crosscuts and right-angle cuts to interior cutouts and notches. Even cutouts on pre-mounted panels are easy work for the panel cutter.

1x chain (mat. n° 1730983)
For free



The advantages at a glance

- Swiveling 90° blade, well-suited for perpendicular cutouts with a depth of up to 165 mm.
- You can cut the upper and lower sheets in one press operation, without the need for reworking.
- With the insertion mechanism, you can start at any position on the panels.



ALM

THE NO. 1 MOBILE LASER

Extremely short set-up times allow a vast range of machine components, pressing tools and large molds to be repaired and modified with the ALM at any imaginable location.

The ALM's versatility is impressive. The workpiece can be transported to the laser, or the laser to the workpiece. This ensures mobility within the company or at the customer's.

The ALM is air cooled and requires no additional cooling system. Just move the laser to the workpiece, secure the laser area, aim the slim laser arm at the weld, and start welding.

The hydraulic brakes fix the laser beam exactly at the desired work position. Welding can be done manually using a joystick, semi-automatically, or using an external operating unit.

Additional flexibility is possible with the unique turn and tilt objective, which allows the laser beam to be moved continuously up to 40° from vertical to any direction.



Application example





IK-12 BEETLE

Portable Oxy-fuel Cutting Machine

Features and Benefits

Multiple use oxy-fuel machine

Performs high quality straight, circle and bevel cuts. Single model includes 1 torch and 3 cutting nozzles.

Single Cone Stepless Drive System

Maintains constant travel speed even with high temperatures providing stable, trouble-free cutting.

Lightweight aluminium body

At only 9.5 kg, easy to carry and use. Built robust to be a true workhorse.

Simple operation

All functions are controlled by forward / off / reverse switch, clutch lever and speed adjustment knob.

Extendable 1800 mm straight rail

Cut longer parts.

High quality cuts with simple operation

Single Cone Stepless Drive System

Single Cone Stepless Mechanical Drive System equipped on the IK-12 Beetle guarantees a constant and stable movement of the machine, providing sharp, clean cuts. The travel functions (forwards, backwards, stop) are activated only by one operation element. The clutch control assures a trouble-free positioning of the machine. Bevel cutting is achieved by simply adjusting the torch holder at the bottom edge of the plate. A gear rack / bevel drive ensures a precise positioning of the machine torch (Y - and Z-axis).



DO YOU PRODUCE TURNED PARTS?

HERE IS YOUR PRIMA VICIVISION
The optical measuring machine
for all shops.

DETECTABLE MEASURES

Static measures

- Diameter
- Length
- Angle
- Radius
- Chamfer

Dynamic measures

- Coaxiality
- Runout
- Circularity
- Cylindricity
- Taper

Threads

- Nominal diameter
- Pitch diameter
- Core diameter
- Crests angle
- Pitch
- Roll dimension

Nut

- Diameter
- Asymmetry
- Timing

Profile measurements (optional)

- DXF comparison
- DXF export



DISCOVER
VICIVISION PRIMA



PRIMA

Robomac TF

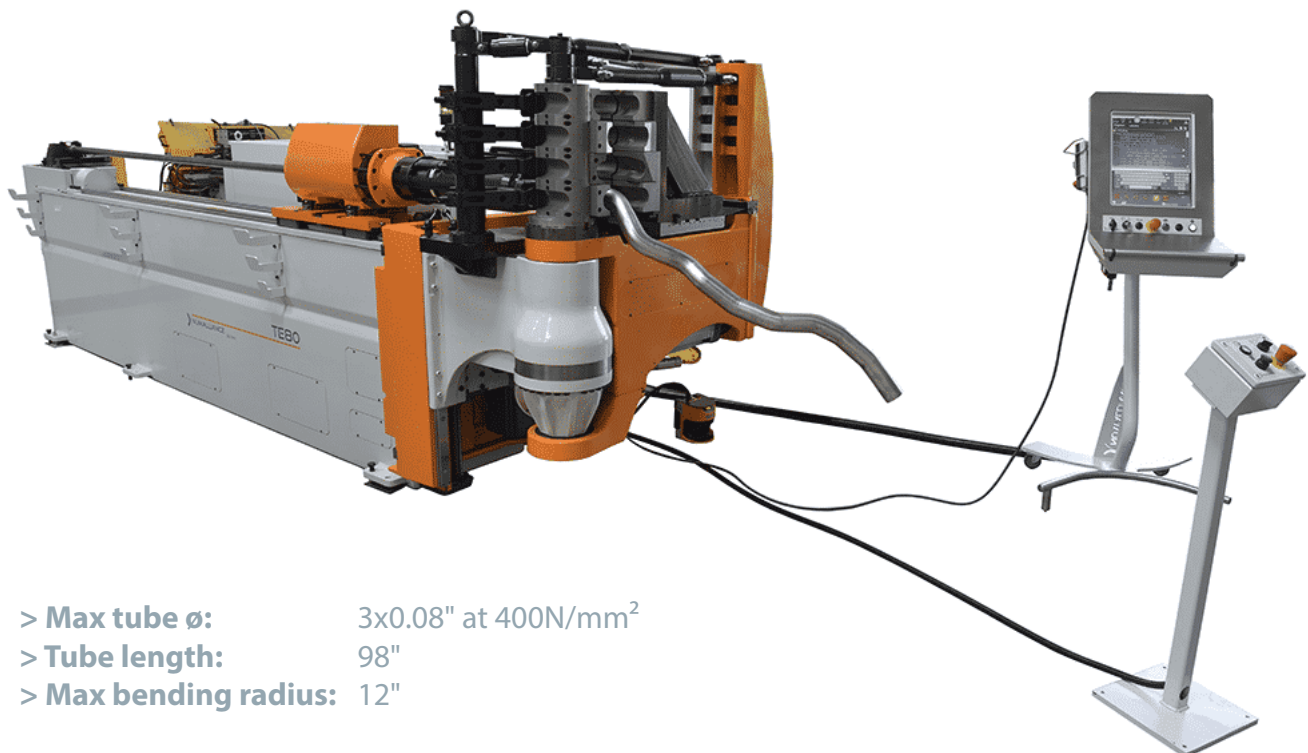


Feed & Form
Robomac 106TF



Wire capacity up to 600 N/mm²
> From 2 to 6,35 mm

Large Tube Bender - TE80



- > Max tube \varnothing : 3x0.08" at 400N/mm²
- > Tube length: 98"
- > Max bending radius: 12"

Benchtop Marker FlyMarker® mini 120/100 STATION



Benefits at a glance

- Attractive price-performance ratio
- High quality guide system for highest stability
- Switchable LED lighting of the marking field
- Pollution-protected electronics
- Drag chain guided electric cables
- Laser pointer for simulating the marking process
- Input via USB keyboard



Logo



Data Matrix Code



Line

Battery Operated Hand-Held Marking System FlyMarker® mini 85/45 plus 4,3"

100 % mobile marking

- Ergonomic device design for energy-saving, non-tiring work.
- Heavy and immovable components are marked on site.
- Self-sufficient work without power and compressed air cables.
- Reduction of occupational accidents.

Benefits at a glance

- Integrated controller (All-In-One)
- Attractive price-performance ratio
- Extra strong magnet for deep markings (optional)
- Integrated user friendly keyboard mat
- Switchable LED lighting of the marking field
- Pollution-protected electronics and interfaces
- Drag chain guided electric cables
- Laser pointer for simulating the marking process
- One or two-handed operation



STOCK AVAILABLE

NO price increase on these machines for 2025. While stocks last.





Retecon Service has been providing skilled, motivated, and dedicated machine tool technicians to the South African manufacturing and engineering industries since 1978.

Our Heads of Departments have a combined 100 years of experience in the machine tool industry. The segmentation of Retecon Service products and service contributions allows each department to specialise in the various machine offerings and technologies. Our Heads of Department continue to receive training at our overseas principals' manufacturing plants to ensure that their skills match the exacting requirements of our principals, to keep up to date with the latest technologies, and to continue offering superior service to our customers and the various industries.

SPOTLIGHT ON OUR HEADS OF DEPARTMENT:



Sheetmetal
Darryn Lopez



Maintenance
Mario Botha



Measuring
Rudie Botha



Machining
Andry Bester

Specialist In-House Support:



Trumpf Laser Machines
Christo Jonker



**Trumpf Punch /
Bend Machines**
Zander Swart

"We are proud of our Safety Policy, graded "Green" by Sasol's stringent criteria."

*As a member of the Retecon Group, we also enjoy ISO 9001:2015 **certification.***

Offering you **Reliable Technical Consultants** to keep your equipment in optimum operating condition.

CUT E series

Efficiency at the touch of your finger



- + T-shaped base for large and heavy workpieces up to 1,000 kg
- + Clear view of the process management with the 19-inch touch screen
- + More compact: 30% less floor space

DISCOVER OUR NEW CUTTING-EDGE TECHNOLOGY SOLUTIONS

FOR THE **STEEL CONSTRUCTION**

BEAMS PROCESSING

X3BLADE

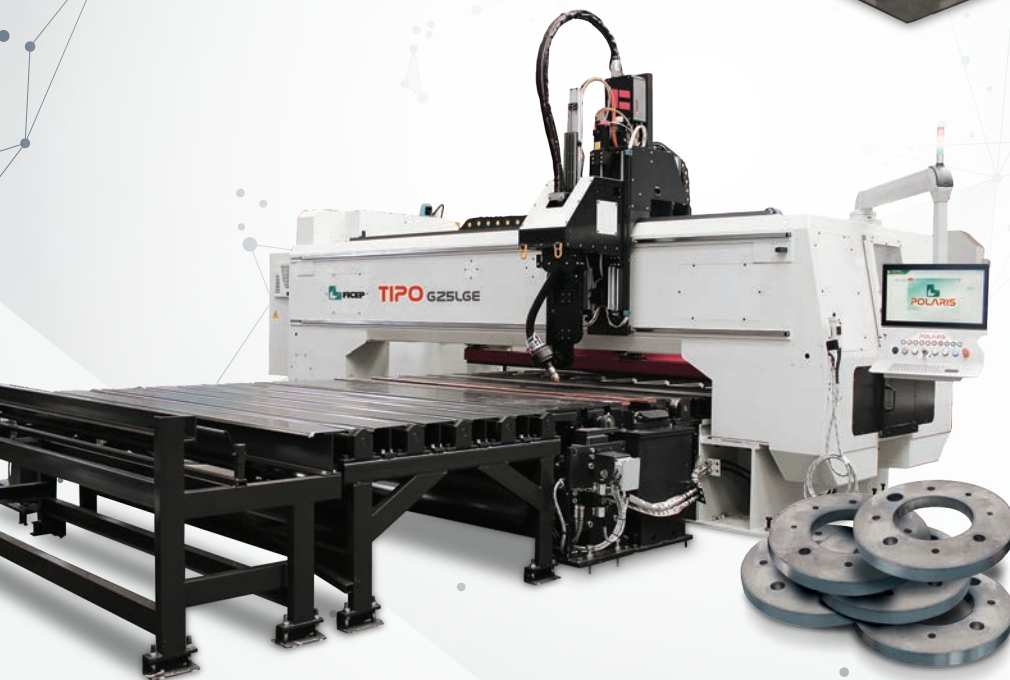
Automatic CNC single spindle
drilling, milling and disc sawing
line for sections



PLATES PROCESSING

TIPO G25LGE

Automatic CNC drilling,
milling and thermal cutting
system for large plates



FORWARD

INNOVATIVE SOLUTIONS

KRONOS

Automatic gantry style CNC
high definition plasma & oxy-
fuel cutting system for plates

- Heavy duty gantry style thermal cutting systems
- Straight and bevel cutting
- Up to four oxy-fuel cutting torches, one or two high-definition plasma torches
- Different plasma sources types to address a wide variety of cutting applications



RETECON REPORT

An information service to our clients



2025 | 1

Machine Tools | Cutting Tools | Accessories and Measuring Equipment

bedra

intelligent wires

BRASS WIRE

BRASS WIRE 0.25mm - SOFT | ECONOMICAL

- Berco Cut 372-392 Nmm 4kg soft
- Berco Cut Special 500 Nmm 16kg soft
- Berco Cut Pro 500 Nmm 5kg soft
- Berco Cut Pro 500 Nmm 8kg soft

BRASS WIRE 0.25mm - HARD 900/Nmm²

- Berco cut Special 900 Nmm 5kg hard
- Berco Cut Special 900 Nmm 16kg hard
- Berco Cut Pro 900 Nmm 5kg hard
- Berco Cut Pro 900 Nmm 8kg hard

COATED WIRE

GAPSTAR WIRE - THE NEW EDM HIGH PERFORMANCE WIRE

- Gapstar.9 - COATED WIRE 900 N/mm 0.25mm 5kg
- Gapstar.9 - COATED WIRE 900 N/mm 0.25mm 8kg

- New Bedra Technology (TRIMPAC)
- Suitable for all EDM wire cutting machines.

TOPAS WIRE - HARD | HIGH TENSILE | FAST | ACCURATE

- Topas Plus H - ZINC COATED 800 Nmm 5kg hard
- Topas Plus H - ZINC COATED 800 Nmm 8kg hard
- Topas Plus H - ZINC COATED 800 Nmm 16kg hard
- Topas Plus H - ZINC COATED 800 Nmm 25kg hard

COATED WIRE (CuZn) - HIGH PERFORMANCE

- Bronco Cut 520 N/mm² 4kg soft
- Bronco Cut 520 N/mm² 8kg soft
- Bronco Cut 520 N/mm² 16kg soft
- Bronco Cut 520 N/mm² 25kg soft

**Great Value FOR
Money!!**

EDM WIRE

CONTACT DETAILS ▼

Head Office & Showroom

P.O. Box 1472,
Kempton Park, 1620
100 Plane Road,
Spartan Industrial Township,
Kempton Park

Tel: 011 976 8600

Telefax: 011 394 2471

E-mail: machines@retecon.co.za

Port Elizabeth

P.O. Box 414
Port Elizabeth, 6000
2A Haupt Street,
Sidwell, Port Elizabeth, 6001

Tel: 041 453 2720

Telefax: 041 453 6678

E-mail: machines.pe@retecon.co.za

Durban

P.O. Box 1186,
Pinetown, 3600
Unit 32, Ivy Park,
3 Ivy Road,
Pinetown

Tel: 031 701 8149

Telefax: 031 701 0313

E-mail: machines.dbn@retecon.co.za

Cape Town

P.O. Box 1167,
Milnerton, 7435
Unit 8 + 9, Peter Park,
Montague Drive,
Montague Gardens

Tel: 021 555 2270/1

Telefax: 021 555 2272

E-mail: machines.ct@retecon.co.za

www.retecon.co.za

To advertise please contact us:
machines@retecon.co.za

Design by Louise Visser
Production by Retecon (Pty) Ltd
Copyright Retecon (Pty) Ltd 2015



FOLLOW US ON SOCIAL MEDIA