



PUMA MACHINE TOOLS

AN INFORMATION SERVICE TO OUR CLIENTS

2023 | 1

DN SOLUTIONS



DVF 4000

Ø400mm table, 5-axis
vertical machining center

NEW MODEL



MACHINETOOLS
AFRICA 2024

21-24 MAY

EXPO CENTRE • NASREC
JOHANNESBURG • SOUTH AFRICA

**AFRICA'S
BIGGEST
MACHINE
TOOLS
EXHIBITION**

**SHAPING
TOMORROW**
THROUGH TECHNOLOGY & INNOVATION

An event by:

#MTA2024
www.machinetoolsafrica.co.za

PRODUCTIVITY

RELIABILITY

QUALITY

IN THIS EDITION



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EFC II Laser Cutting Machine

A high-performance mid-price laser machine equipped with TruFiber Cut Laser up to 6 kW. Smart design and material flow ensure maximum productivity at minimal investment costs.



High operating efficiency

Reliable CNC control and offline programming software enable maximum machine utilization and ensure high cutting quality with pre-installed cutting parameters.

Automation options

Machine is available with loading and unloading systems as well as storage solutions.

Optimized price performance ratio

Reliable machine with higher cost-effectiveness and professional manufacturing process.

High safety standard

Fully enclosed machine with certified components to avoid laser radiation hazards.

The new generation of TruFiber

TruFiber is the ultimate fiber laser solution for all your cutting needs.

In fact, TruFiber delivers excellent process stability and consistent process results.

Furthermore, the technology requires minimum maintenance.



TPR8 CNC Press Brake

Cost-effective bending machine from JFY sold to more than 5.000 customers.
Proven technology with high stability and reliability.



High-performance CNC control TJS-90

as standard configuration ensures maximum workflow efficiency and operating convenience.

Precision

C-Frame design with magnetic scale and mechanical crowning ensure precise movement and bending quality.

Premium bending performance

with automatic mechanical crowning in the form of two-way compensation.

High stability during operation

due to robust C-Frame as well as finite element design of machine body.

Flexibility

A broad range of options, tools as well as open height allow the processing of large and complex bending parts in various application scenarios.



DVF 4000

Newly added 5-axis model. DVF 4000 has significantly improved reliability and productivity for high speed 5-axis machining, and grease lubrication is applied on X/Y/Z-axis as standard for eco-friendly and cost-saving operation. A stable structure and compact footprint is ideal for the production of small and medium size workpieces with complex shapes.



From small high precision medical parts to small & medium-sized automobile, aerospace and semiconductor parts, it is possible to cover various applications for both AL die-cast high-speed light cutting and titanium, inconel, CoCr difficult-to-cut machining with DVF's high rigidity, high speed spindle and solid column structure table.

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HIGH SPEED, HIGH-PERFORMANCE 5-AXIS

- 12000 / 15000 r/min direct-coupled high speed spindle
- Ø400 mm rotary tilting table (opt : Ø500mm)
- Max. workpiece weight 200kg
- RGC(Roller Gear Cam) driven type B/C-axis

USER-FRIENDLY MACHINE

- Compact footprint
- Grease lubrication system
- Easy operator's access to machine
- Compact automation system(AWC)
- Enhanced chip disposal capability(flushing, chip conveyor)

HIGH PRECISION MACHINING

- Integrated thermal compensation systems for spindle and structure
- Spindle cooling provided as standard
- B/C-axis rotary encoder provided as standard

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DN SOLUTIONS

DNM series

4500/L • 5700/L • 6700/L/XL



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Lynx 2100/2600 series



Your complete machining solution

- ▶ Superior machining performance with single setup
- ▶ High productivity by minimizing the non-cutting time
- ▶ Improved user convenience

Lynx 2100/2600 series

Lynx 2100/M
Lynx 2100L/LM/LMS/SY
Lynx 2600/M/SY

SH - 250R

Semi-Automatic Hinge-Type Horizontal Bandsaw

efficient, economic, and versatile for your utility purpose cutting.

Cosen SH-250R is a semi-automatic hinge-type horizontal bandsaw with a surpassing 260 mm capacity. When compared with other brands in the 250 mm utility saw category, this model stands out by itself by incorporating AH-250H's saw head design, providing far better machine durability with its rigid saw frame structure. In addition, SH-250R overmatches others by offering more versatility and an outstanding price-performance ratio. Highly recommended for tool shops, die casting manufacturers and fabricators. SH-250R is easy to operate, spaceless and presents you with excellent cutting rate and high precision.



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FA series

Providing a Wide Range on High Performance 5-Axis Machining

5-axis machining efficiently shortens the paths in machining, considerably reduces the cutting time, and extends the life of cutting tool.

Rigid structure designed by double column frame meets wide range of machining requirements.

High dynamic performance on XYZ-axis with high accuracy 2-axis head realizes high excellent performance in multi-angle machining with 5-axis machining center.

20,000 rpm, HSK - A63 / 12,000 rpm, HSK -A100 spindle achieves high speed requirements.

- ▶ X axis travel: 2,100 - 8,200 mm
- ▶ Y axis travel: 2,300 / 2,700 / 13,300 mm
- ▶ Z axis travel: 1,000 / 1,200 mm
- ▶ Port width: 1,700 / 2,200 / 2,700 mm

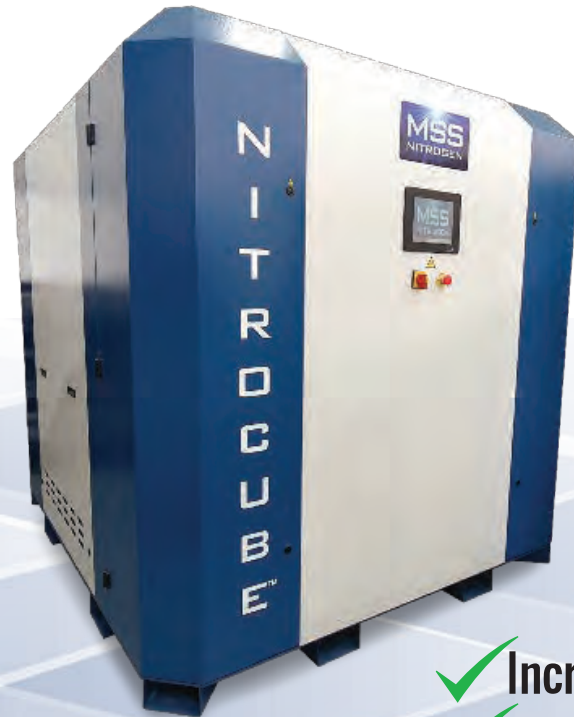
5-Axis

Dynamic synchronization accuracy reaches 0.04mm. (TCPM)





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

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FSG-2A1224/3A1224

Automatic Surface Grinder

MACHINE FEATURES

These grinders have been specially developed and improved in recent years by us to continuously offer you reliable high performance precision surface grinders. And as a guarantee of that reliability we offer one full year limited warranty including parts and labor for mechanical as well as electrical components. The Double-V crossfeed guideway span has been designed applying kinematics to calibrate for minimum bending moments, thus achieving maximum support capability for table and workpiece. All essential castings are made of a high grade of cast iron that is stress relieved by annealing, therefore ensuring the greatest stability and rigidity with low stress. An interlock has been placed between the electrical cabinet door and power supply as an added safety feature. The maximum distance from table surface to spindle centerline is 450mm (18") which provides more clearance for grinding.



FSG-2A1224

Note: Machine shown with optional accessories



FSG-3A1224

Note: Machine shown with optional accessories

L12x

Sliding Headstock Type CNC Automatic Lathe



Adoption of a modular tooling system Addition of Y2 axis for even higher functionality.

A modular tooling system has been adopted for the gang and back tool posts. The wide variety of tooling layouts available, such as “adjustable angle end-face spindle”, allows for angled hole drilling enhancing flexible machining. The addition of a Y2 axis to the back spindle strengthens back machining. This improves the degree of freedom for process allocation, and increases the maximum number of tools that can be installed to 38. Additionally, adoption of a built-in motor for the back spindle drive enables a maximum speed of 12,000 min⁻¹. This reduces the acceleration/deceleration time to improve productivity. The machine is capable of handling 16 mm diameter bar with an expansion kit.

L32

Sliding Headstock Type CNC Automatic Lathe



The L32, an ‘icon’ reinvented.

With a legacy as one of the best-selling Cincom machines, the next-generation L32 is launched with 4 models in modular design.

With the current shift in manufacturing industry, the requirement is for variable-lot machining of diverse workpiece shapes and sizes. In order to meet this requirement, Citizen has introduced modular design to the new L32 thus enabling our customers to optimise their manufacturing by selecting the functions to achieve the ideal machine configuration for their needs.

The L32-VIII is a 7-axis model with excellent cost performance. A wide range of modular tooling ensures that the new L32-VIII is both versatile and flexible enough to meet your production demands into the future.



Tube Laser Cutting

- 5 servo axes
- compact design with excellent repeatability
- with international patent, capable of reducing end waste to minimum
- optimized for circular \ rectangular \ square \ elliptic \ flat oval tube



CNC Tube Bending

- international patent
- optimum performance
- power efficient
- environment friendly
- energy economic



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ADVANTAGE 66

Simple, for short bars

The **ADVANTAGE 66** is a short barfeeder for fixed headstock lathes suitable for working bars with diameters between **5 and 65 mm** and with lengths from **250 to 1.500 mm**. It's a pneumatic barfeeder, optimal for managing short bars. The barfeeder is also available with **transversal shifting device**.



NEW !!

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BUCCI
INDUSTRIES

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EDM

BRASS WIRE CuZn37

SOFT WIRE 0.25mm

PUMA - S
Brass Wire Soft 460 - 520N/mm² 5Kg wire soft

HARD WIRE 0.25mm

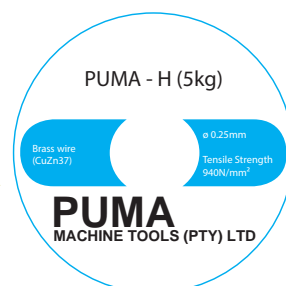
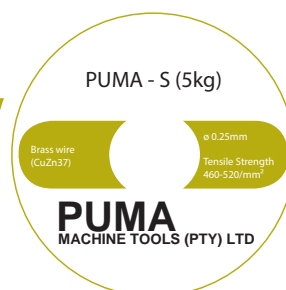
PUMA H
Brass Wire Hard 940N/mm² 5Kg wire

PUMA H - 8
Brass Wire Hard 940N/mm² 8Kg wire

PUMA H - 16
Brass Wire Hard 940N/mm² 16Kg wire

HARD WIRE 0.3mm

PUMA H - 8 - 3
Brass Wire Hard 940N/mm² 8Kg wire



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