

PUMA MACHINE TOOLS

AN INFORMATION SERVICE TO OUR CLIENTS



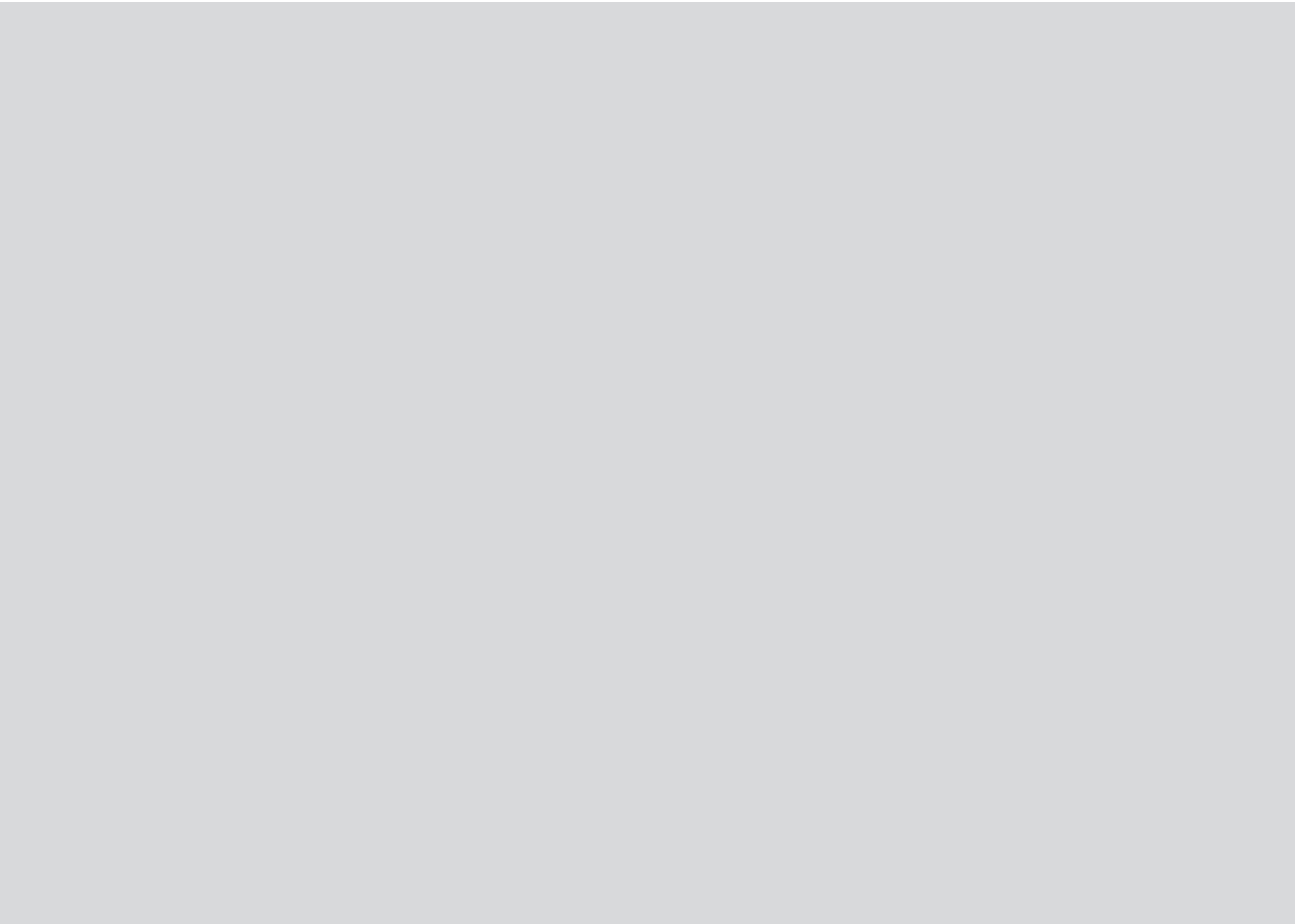
2025 | 2

DN
SOLUTIONS



DLX series

ADDITIVE MANUFACTURING SOLUTIONS



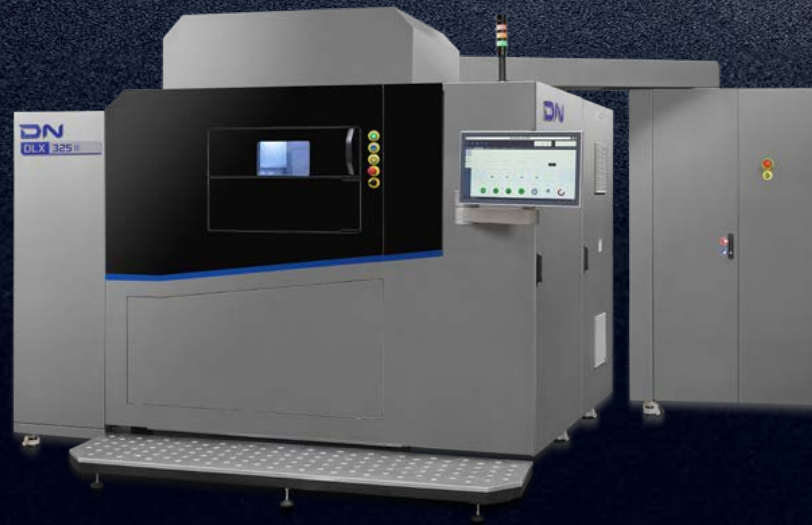
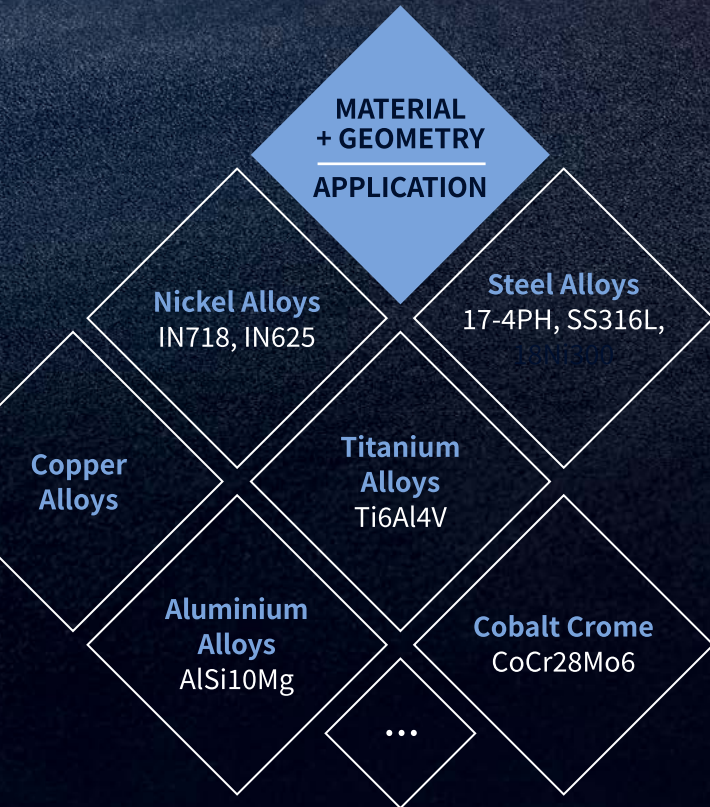
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END TO END SOLUTION

ALL FROM A SINGLE SOURCE



END TO END SOLUTION

APPLICATION



ADDITIVE MANUFACTURING

6 SOFTWARE SOLUTIONS FOR A COMPLETE

AMExplorer

AMBuilder

AMCosting

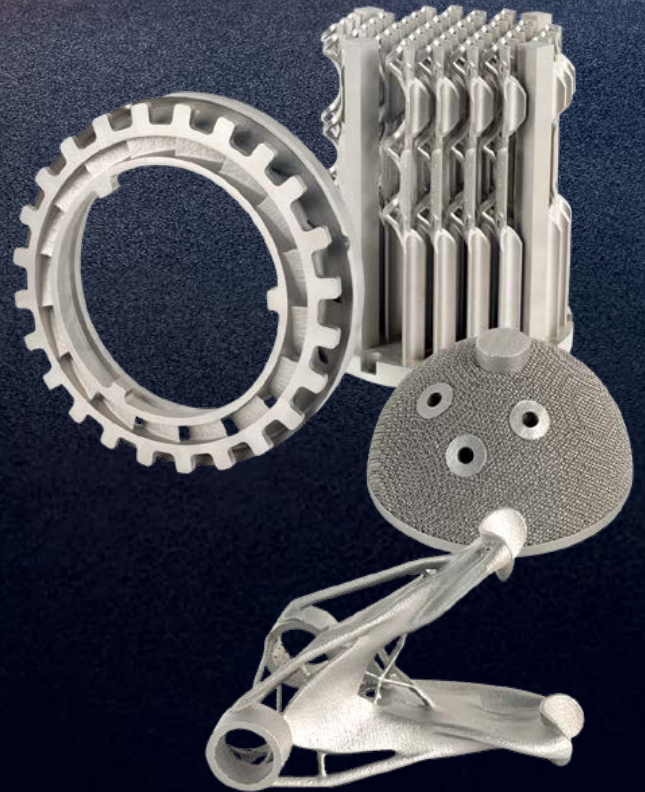
PRODUCTIVITY

RELIABILITY

QUALITY



ESTABLISH A ROBUST,
END TO END PROCESS TO MAXIMIZE
PRODUCTIVITY AND QUALITY.



▶ COMPLETE MACHINE RANGE
OFFERED BY DN SOLUTIONS

POST PROCESSING

FINISHED PART

AND CONSISTENT DIGITAL PROCESS CHAIN

AMSimulation

AMBuildSmart

AMoptoMet

PRODUCTIVITY

RELIABILITY

QUALITY

NEW BFC Series - 20kW CNC Laser Machine Now Available

Cut time to market with JFY

A high-performance laser machine which opens a broad spectrum of cutting applications for various industries.



BEST price performance ratio

Reliable machine with higher cost effectiveness and professional manufacturing process.

High-End optics and cutting quality

Good optics and cutting quality with JFY fiber laser and cutting unit.

Easy to operate

Ergonomic design and operation with extra-large screen and online monitoring of cutting performance.

High machine safety

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

Best in class service

Dense and professional service network with local and on-site support.

TPE8
CNC Electric Press Brake



BFC Plus
CNC Laser Machine



TPM8
CNC Press Brake





DNX 2100 series

DN MULTI AXIS TURNING CENTER WITH 8 /10-INCH CHUCK SIZE

- Expanded X-axis, Y-axis machining area (X-axis : 760 mm, Y-axis : 230 mm)
- Compact milling spindle with 12000 r/min and 1150 mm machining length
- New design concept for flexible automation and easy maintenance
- Various controller options for enhanced convenience (FANUC, SIEMENS)

A One Stock Solution - Available Now

DNX 2100 series
DNX 2100/B
DNX 2100S/SB



PRODUCTIVITY

RELIABILITY

QUALITY

The Pinnacle Of Cutting Performance

G 320 - Smart NC Programmable Automatic Mass Production Band Saw

320mm Automatic horizontal dual column type band saw which incorporates a massive base, sturdy saw frame, with an extremely heavy-duty gear box, a 3.75kW (5HP) drive motor, a user-friendly programmable control, and a modern new look.

The Smart NC-100 technology is programmable up to 100 different jobs including quantity and length of cut with Automatic Multiple Indexing & Automatic Kerf Compensation.



SC 350 - Semi-Automatic Circular Cold Saw

Cosen provides a range of semi-automatic circular cold saws in different cutting capacities. These saws exceed many of the standard requirements that operators look for in a cold saw. With its rigid construction and superior features, the SC-350 fits into that category. This heavy duty saw offers precision, efficiency in operation, and durability in a demanding production environment.



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

SF Series

3-Axis 5-Face Double Column Machining Center



Features:

- Ultra-wide base of X axis with high rigidity table enhances table load capacity and ensures the best dynamic level.
- Large stepped design of Y axis makes the guide ways close to the beam and spindle which effectively increases the rigidity of cutting load.
- Z axis of 15m rapid traverse, high acceleration/deceleration performance to achieve contour accuracy of high speed mold machining.
- Spindle and thermal compensation function for temperature change can be used to keep the machines accuracy.

ASM Series

5-Axis CNC Turning and Milling



Features:

- ASM accessorizes with 5-axis universal head.
- Multi support structure to ensure high rigidity.
- Powerful spindle - 10 000 rpm, 57 kW.
- SIEMENS or HEIDENHAIN control.
- 1m diameter machining capability.

PRODUCTIVITY

RELIABILITY

QUALITY



NitroCUBE™

PLUG & PLAY Nitrogen Generation Systems

PLUG & PLAY



Nitrogen Generation Systems

PRODUCTIVITY

RELIABILITY

QUALITY

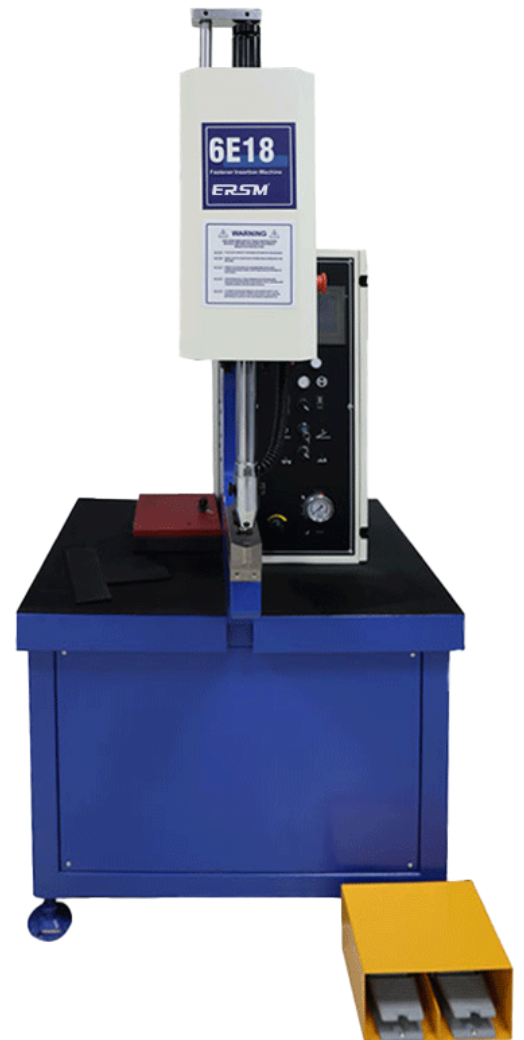
FASTENER INSERTION PRESS - ERSM® 6E18

Hydraulic fastener insertion PRESS for 6 TON

The 6E18 is the ideal choice for combining simplicity, precision, and room for future upgrades. Its user-friendly touch screen and control panel ensure easy operation, while the durable steel frame and stable hydraulic system deliver consistent, high-quality results.

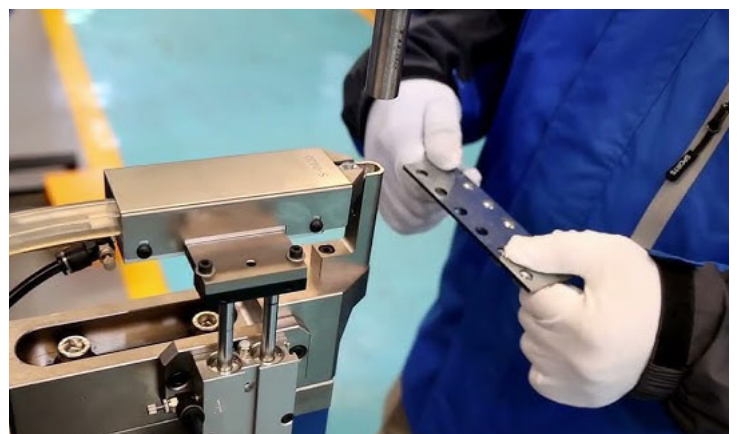
Designed for versatility, the 6E18 can handle a variety of materials, including aluminum, fiberglass, plastics, and composites. Plus, it's future-ready—easily upgradeable with an automatic feeding system to boost efficiency for higher production demands.

Choose the 6E18 for a reliable, scalable solution that grows with your business needs.



Insertion Press Technical Data Overview

| | |
|----------------------------------|-----------------------------------|
| Processing | Hydraulic |
| Riveting Capacity (Carbon Steel) | M10 nut M8 stud M6 standoff |
| Throat Height | 400mm |
| Throat Depth | 450mm |
| Cylinder Stroke | 200mm |
| Insertion force | 6 Ton Max |



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.

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.

Up to 30 tools can be mounted at any one time supported by a very high level of control features, stable, powerful, and highly productive with versatility of modular design.

L32

Sliding Headstock Type CNC Automatic Lathe



PRODUCTIVITY

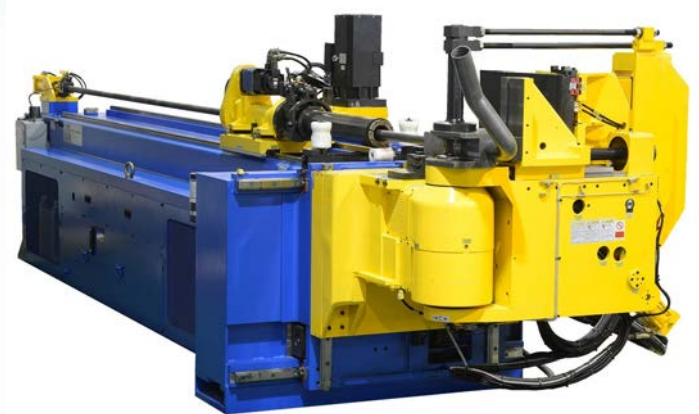
RELIABILITY

QUALITY

TUBE BENDING MACHINES

CNC Electric Hybrid MBE / MRE Tube Bending Machine

- OD: 18~150
- Centerline radius (CLR): 10-400
- Work-head capable of linear motion, serves clockwise and counterclockwise bending



CNC Hydraulic TSR / TDR Tube Bending Machine

- OD: 38~250
- Centerline radius (CLR): 25-730
- Mandrel by hydraulic with automatic lubrication & anticipated retraction

NC Hydraulic Single Axis TNCB Bending Machine

- OD: 38~220
- Centerline radius (CLR): 25-1000
- Mandrel by hydraulic with automatic lubrication & anticipated retraction



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NEW - SERVO VERSION

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**.



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EDM

BRASS WIRE

SOFT WIRE 0.25mm

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

HARD WIRE 0.25mm

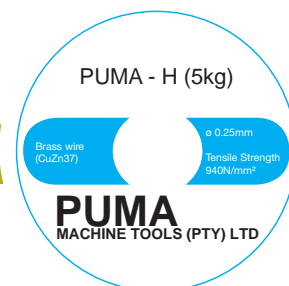
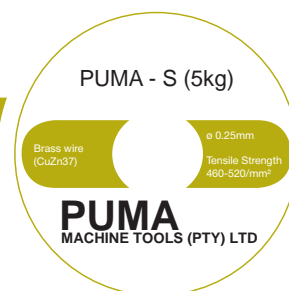
PUMA H
Brass Wire Hard 940N/mm² 5Kg wire

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



For further Information contact Hendrik on 011 976 8600 or email info@pumamachines.co.za

PRODUCTIVITY

RELIABILITY

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