



PUMA MACHINE TOOLS

AN INFORMATION SERVICE TO OUR CLIENTS

2020 | 2

PUMA
MACHINE TOOLS (PTY) LTD



Doosan



**VISION
WIDE**

CHEVALIER
Grinding / Turning / Milling

HANKOOK

CITIZEN JFY

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Doosan Machine Tools

CUSTOMERS ASKED FOR A NEW CAT: DOOSAN DELIVERED THE LYNX 2600SY

The Lynx family has been around for over 15 years, and Doosan has added more capability and upgraded the technology continuously over time. While their first model was a simple 2-axis turning center (which they still offer to this day), the addition of live tools, bigger chuck sizes, longer beds, sub-spindles and Y-axes has made the Lynx family a highly versatile machine series. The tradition continues with the introduction of the Lynx 2600SY.

A New Player in the Lineup

As many knowledgeable machinists know, the popular Lynx 2100LSYB is one heck of a machine. It's consistently on Doosans best seller list, giving them a dominant market share in the 6-8" chuck size turning machine with sub-spindle and Y-axis. But if you want to jump from there to the next available sub and Y machine in the Doosan lineup, you have to move up to the larger PUMA 2600SY boxway machine.

The Lynx family has always taken a modular approach to accessories, so bar feeders and parts catchers are available to help with light automation. Gantry systems are expected to be available in the future.



LASER CUTTING | PUNCHING



TFC Series TruDisk Laser Cutting



Features

- TRUMPF TruDisk 3 kW, 4 kW and 6 kW laser generator, good stability and higher cutting speed.
- 1 kW and 2 kW also available
- Easy use due to detailed database system.
- Acceleration of up to 2g through adaptive, lightweight structure.
- Positioning speed of 169m/min due to direct servo motor with high torque.

MP50 Series CNC Bus Bar Punching Unit



PRODUCTIVITY

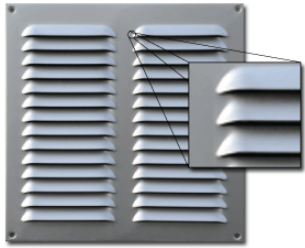
RELIABILITY

QUALITY

MT Series CNC Turret Punching Machine

Features

- Low energy consumption
- High transmission efficiency
- Reliable performance
- Convenient maintenance



PR Series CNC Press Brake

Features

- The electric and hydraulic systems control the synchronised movement of the two oil cylinders, thus ensuring high, synchronisation accuracy, bending accuracy and repeat positioning accuracy.
- An Automatic hydraulic compensation system is to prevent the effects of ram deformation on the workpiece.
- Delem T-3500 T CNC System
- Wide choice of machines available





Doosan Machine Tools

DVF 5000

The new Doosan DVF 5000 5 axis machining center provides world class productivity and reliability for simultaneous 5 axis machining operations.

- Pool Pallet System is also available.



PUMA GT 3100LM

GT series lathes provide manufacturers with increased part accuracies and repeatability's, superior cutting performance and greater process reliability.

These heavy-duty, box guide-way machines have an 8", 10" or 12" chuck and powerful spindles up to 35kW/4500rpm.

LYNX 2600

New Doosan Lynx 2600 series CNC turning center designed for the precision-machining of metal parts of diverse shapes such as valves, shafts, gears, flanges, and fittings, and has a maximum machining diameter of 380mm and a maximum machining length of 610mm.



**MACHINE
GREATNESS™**

PRODUCTIVITY

RELIABILITY

QUALITY

G300

The Cosen G300 is a rigid, high production machine which incorporates a massive base, sturdy saw frame, with an extremely heavy duty gear box, a 5 HP (3.75 kW) drive motor, a user friendly programmable control.

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



MH-270M

Manual Swivel Head Mitering

The Cosen Manual Series Band Saw comes equipped with manual vise and adjustable hydraulic down feed(except MH-270M/ MH-210M). It is an ideal tool for the small to medium machine shop, maintenance shop, metal fabricating shop, school, and limited run production work. It is a great machine for cutting solids, square, round, rectangle and tubing material. Its solid construction ensures many years of reliability and accuracy at a high level of performance.

Cincom

M32

Sliding Headstock Type CNC Automatic Lathe

The new M532VIII is Citizen's most advanced machine model to date. This 32mm capacity Goliath with 12 programmable axes features a 10-position turret with Y-axis that allows for more sophisticated and highly productive machining functions. The turret tooling has been completely redesigned with a conversion to single direct drive for rotary tools. Gang and turret live spindle power increased to 3 HP!

The new Mitsubishi M850W control, featuring new touchscreen HMI operating panel, allows for faster processing and reduced non-cut times vs. previous "M" generation. In addition to the 10-position turret, the M532VIII features a programmable B-axis 4 front/4 back position tool post off of the gang slide for true 5-axis machining.



PRODUCTIVITY

RELIABILITY

QUALITY

Fiber 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



PRODUCTIVITY

RELIABILITY

QUALITY

FSG-1632 ADIII

Fully Automatic Precision Surface Grinder

High Precision Easy Operation

- Touch Screen Monitor
- 3-Axis Fully Automatic
- Table Size (W x L): up to 400 x 1,000 mm
- Elevation and Cross-feed are driven by Servo Motor
- 3-Axis Needle Roller Guide Way
- Max. Grinding Size: up to 400 x 1,000 mm
- Spindle Power: up to 10HP



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

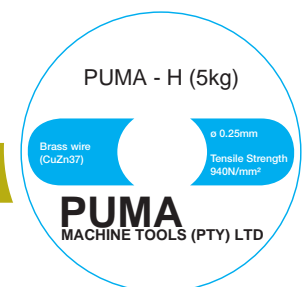
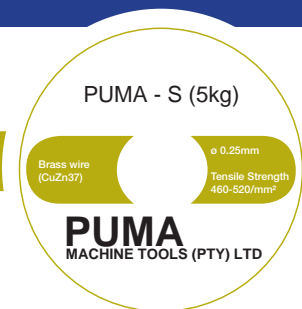
PUMA H - 8
Brass Wire Hard 940N/mm² 8Kg wire

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



PUMA MACHINE TOOLS

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FA Series High Performance 5-axis Machining Center

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.

Machine performance
through 46 items
can be indicated by
ISO test workpiece.



**VISION
WIDE**

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