AUTOMATED CNC ROBOTIC MACHINING CELL

4 × DOOSAN PUMA V400M | KAWASAKI ZX-165U | 2018

Machine overview

Manufacturer	**DOOSAN / KAWASAKI**
Model	4 × PUMA V400M + ZX-165U
Year of manufacture	2018 (machines and robot)
Condition	Used – excellent
Current status	In operation in our production facility
Location	Slovenia, European Union

Description

For sale is a complete automated CNC machining cell consisting of four DOOSAN PUMA V400M vertical turning centers and one KAWASAKI ZX-165U industrial robot for automated workpiece handling.

All four CNC machines and the industrial robot were manufactured in 2018. The complete cell is in excellent condition, well maintained, and currently operating in our production facility. The equipment is offered as a complete integrated machining solution.

CNC machines – 4 × DOOSAN PUMA V400M

Robust vertical CNC turning centers with driven tooling and C-axis functionality for turning, drilling, milling and combined machining operations.

CNC control	**DOOSAN–FANUC i Series**
Maximum turning diameter	420 mm
Recommended turning diameter	305 mm
Maximum turning length	400 mm
Maximum spindle speed	3,000 rpm
Main spindle motor power	18.5 / 22 kW
Spindle nose	ASA A2-8
Spindle through-hole	90 mm
X / Z axis travel	268 / 488 mm
Turret capacity	12 tool stations
Driven tool speed	Up to 4,000 rpm
Driven tool motor power	3.7 kW
C-axis indexing increment	0.001°
Rapid traverse X / Z	20 / 20 m/min
Machine weight (approx., per machine)	6,000 kg
Total weight of 4 CNC machines (approx.)	24,000 kg

Industrial robot – KAWASAKI ZX-165U

Heavy-duty 6-axis industrial robot integrated for automatic loading, unloading and workpiece transfer.

Maximum payload	**165 kg**
Maximum horizontal reach	2,651 mm
Maximum vertical reach	3,415 mm
Repeatability	±0.3 mm
Number of axes	6
Approximate robot weight	1,350 kg
Installation	Floor-mounted

Included equipment

- 4 × DOOSAN PUMA V400M CNC vertical turning centers
- 1 × KAWASAKI ZX-165U industrial robot
- Integrated robotic workpiece handling system
- Safety fencing and guarded working area
- Workpiece loading and unloading stations
- Chip conveyors and CNC control panels
- Integrated production automation

Condition and inspection

All machines and the robot are in excellent condition and currently in operation. The complete cell can be inspected under power and demonstrated in production by prior appointment. Additional technical information, photographs and videos are available on request.