COMPLETE ROBOTIC CNC TURNING CELL

DOOSAN VT450TM-2SP + DOOSAN VT750TM-2SP + KAWASAKI ZX-165U

Year of manufacture	**2008**
Condition	Excellent – fully operational
Location	Slovenia, European Union
Availability	Currently in production; inspection under power possible
Sale	Complete integrated robotic cell

General description

We are offering a complete, integrated robotic CNC turning cell consisting of two DOOSAN vertical CNC turning centers and one KAWASAKI ZX-165U industrial robot. The machines and robot are exceptionally well preserved, regularly maintained and currently operating in our production facility in a two-shift environment.

The robotic cell enables automated workpiece handling, loading and unloading between the CNC machines. This is an opportunity to acquire an existing production automation system rather than sourcing individual machines and commissioning a new integration.

1. DOOSAN VT450TM-2SP – Vertical CNC Turning Center

Manufacturer / model	**Doosan Infracore / VT450TM-2SP**
Year / CNC	2008 / FANUC
Maximum turning diameter	450 mm
Maximum turning height	Approx. 450 mm
Chuck diameter	12 in (305 mm)
Maximum spindle speed	2,500 rpm
Spindle motor power	18.5 / 22 kW
Spindle nose	A2-8
X / Z travel	240 / 450 mm
Rapid traverse X / Z	20 m/min
Turret / tool stations	BMT65 / 12
Driven tools / C-axis	Yes / Yes
Machine weight	Approx. 6,200 kg

Equipment: FANUC CNC control, BMT65 turret, live tooling, C-axis, hydraulic chuck, chip conveyor, automatic lubrication, fully enclosed working area and robot communication interface.

2. DOOSAN VT750TM-2SP – Vertical CNC Turning Center

Manufacturer / model	**Doosan Infracore / VT750TM-2SP**
Year / CNC	2008 / FANUC
Maximum turning diameter	750 mm
Maximum turning height	Approx. 700 mm
Chuck diameter	21 in (533 mm)
Maximum spindle speed	1,500 rpm
Spindle motor power	30 / 37 kW
Spindle nose	A2-11
X / Z travel	385 / 700 mm
Rapid traverse X / Z	20 m/min
Turret / tool stations	BMT75 / 12
Driven tools / C-axis	Yes / Yes
Machine weight	Approx. 11,000 kg

Equipment: FANUC CNC control, BMT75 turret, live tooling, C-axis, hydraulic chuck, chip conveyor, automatic lubrication, fully enclosed working area and robot communication interface.

3. KAWASAKI ZX-165U – Industrial Robot

Manufacturer / model	Kawasaki Robotics / ZX-165U
Year	2008
Robot configuration	6-axis industrial robot
Nominal payload	165 kg (model specification; verify nameplate)
Application	Automated workpiece handling, loading and unloading
Included	Robot controller and electrical cabinet; installed gripper / handling equipment
Condition	Excellent; currently in operation

The Kawasaki robot is integrated with the two Doosan CNC machines as part of the automated production cell.

4. Complete cell – Included equipment

- 1 × DOOSAN VT450TM-2SP CNC turning center
- 1 × DOOSAN VT750TM-2SP CNC turning center
- 1 × KAWASAKI ZX-165U industrial robot and robot control cabinet
- Installed robot gripper / workpiece handling equipment
- Safety fencing and protective enclosure
- Robot-to-machine communication interfaces
- Associated electrical and pneumatic automation components
- Workpiece handling / storage stations and chip conveyors

5. Condition, inspection and advantages

Both CNC machines and the Kawasaki robot are fully operational, regularly maintained and currently used in our manufacturing facility in Slovenia. The complete cell can be inspected under power and demonstrated during production by prior appointment.

- Complete, existing robotic CNC turning solution
- Two heavy-duty Doosan vertical turning centers with FANUC CNC controls
- Driven tools and C-axis on both machines
- Automated workpiece handling and reduced manual intervention
- Excellent condition; regularly maintained
- Live inspection and test run available

6. Typical applications

Automated machining of flanges, bearing rings, gear components, housings, brake discs, large rotational components and other medium- to heavy-duty industrial workpieces, including steel and cast-iron parts.

7. Sales information

The complete robotic cell is offered for sale as one integrated system. Additional photographs, video and technical information are available upon request. Inspection and test run by appointment.

Seller: JUNC CNC d.o.o. | Slovenia, European Union | info@junc-cnc.si