

ULTIMATE PRODUCTIVITY CENTRE

ICON 6-250

The innovative productivity centre features up to 8 machining units - modular and flexible.



INCREASED PRODUCTION



COST REDUCTION



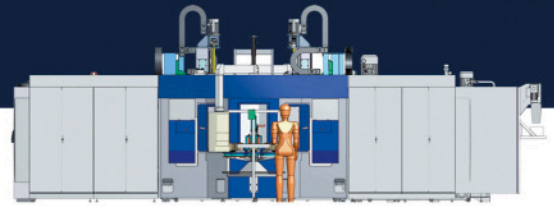
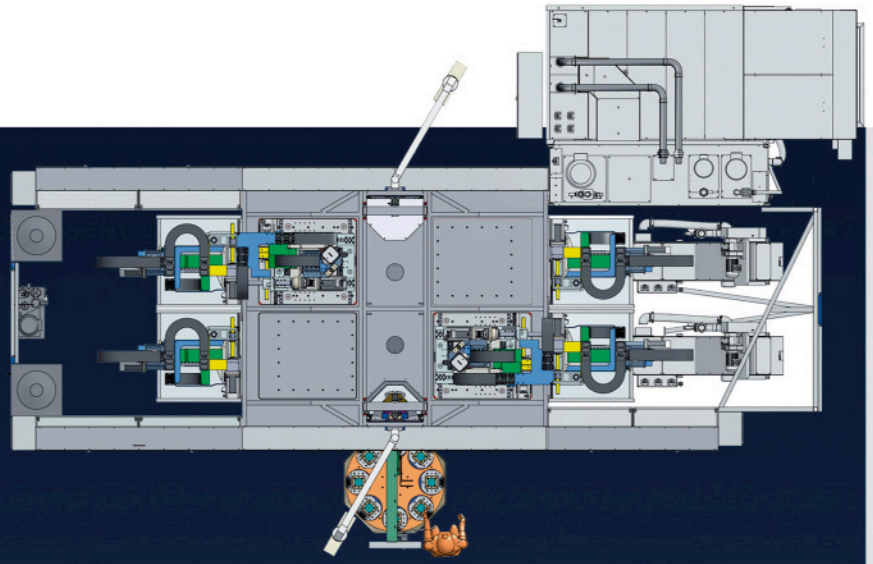
RAPID TOOL CHANGE



PROCESS SECURITY



ICON 6-250



SPECIFICATIONS OF A GLOBAL INNOVATION:

ICON 6-250 PRODUCTIVITY CENTER

Stations:

6; 4 of them are working stations horizontal and vertical. Plus 2 load-/measuring-/exchange stations

Working Units:

Max. 4 horizontal

Max. 4 vertical

Work piece measurement:

Max. 250 mm x 250 mm x 250 mm

Control: Siemens / Fanuc

Spindles (Motorspindles):

Speed: max. 12000 1/min

Output: 36 kW (S6)

Torque: 98 Nm (S6)

Run-Up Time: 0,90 sec

Optional spindles:

Speed: 8000 1/min

Output: 31 kW (S6)

Torque: 197 Nm (S6)

Run-Up Time: 0,80 sec

Speed: 24000 1/min

Output: 53 kW (S6)

Torque: 78 Nm (S6)

Run-Up Time: 2,1 sec

Toolholder: HSK A 63

Diameter Spindle Bearing:

80 mm

Range of Operation & moment:

X-Axis 300 mm / 22 Nm

Y-Axis 300 mm / 40 Nm

Z-Axis 370 mm / 22 Nm

Feed force:

X-Axis 7000 N

Y-Axis 7000 N (depending on motion)

Z-Axis 7000 N

Feedrates:

Feed X, Y, Z - Axis 0-50 m/min

Rapid feed X,Y,Z - Axis 50 m/min

Acceleration X,Y,Z - Axis 7 m/s²

CNC - Planetary Tabel:

Dimension \varnothing 300

Progr. Pitch Step 360.000 x 0,001°

Positioning accuracy \pm 4 sec

Hydraulic table clamping

Pitch time 90° 0,96 sec

Number of tables 4

Tool magazine:

Toolpockets: 12

Max. tooling diameter 125 mm (request for bigger diameters)

Max. tooling lenght (from spindle note) 270 mm (request for longer tools)

Max. tooling weight 7 kg (request for heavier tools)

Chip-to-chip time approx. 3,0 sec

Pallet (workpiece holder):

Pallet dimension \varnothing 300 mm

Accuracy pallet changer <0,005 mm

Max. clamping weight 100 kg / pallet

Positional system:

Direct - positional tolerance Tp 0,007 mm

Coolant equipment:

Coolant 6000 l

Coolant pump-delivery volume

1 x 2,6 bar 500 l/min

1 x 30 bar 120 l/min

1 x 80 bar 16 l/min (optional)

Chip Conveyor:

Ejection height 1200 mm

Installation details:

Required space (base machine) 41 m²

Weight base machine 30 upto 35 t

Total need of power 350 kW (depends on applications)

Main connection 3 x 460 V (USA)

Pressure 6 bar

Subject to modifications.