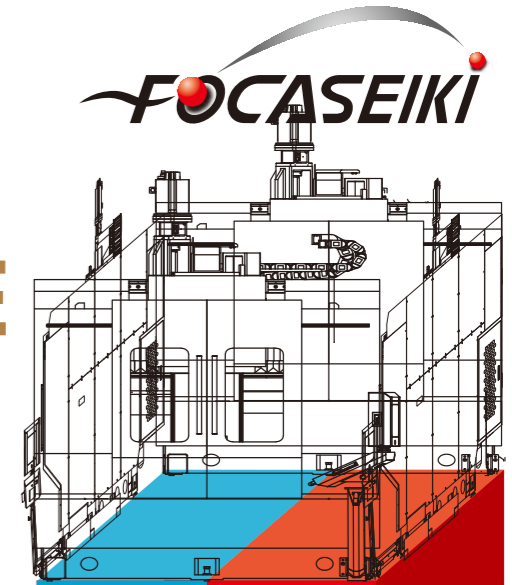




5-AXIS GANTRY TYPE MACHINING CENTER (Simultaneous)



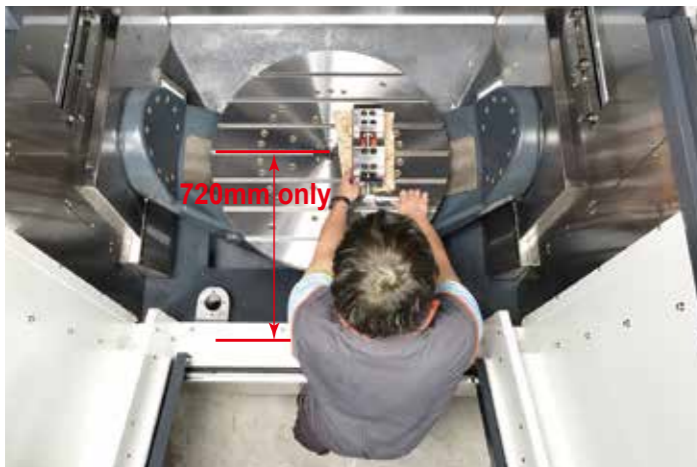
FOCUS SEIKI CORP

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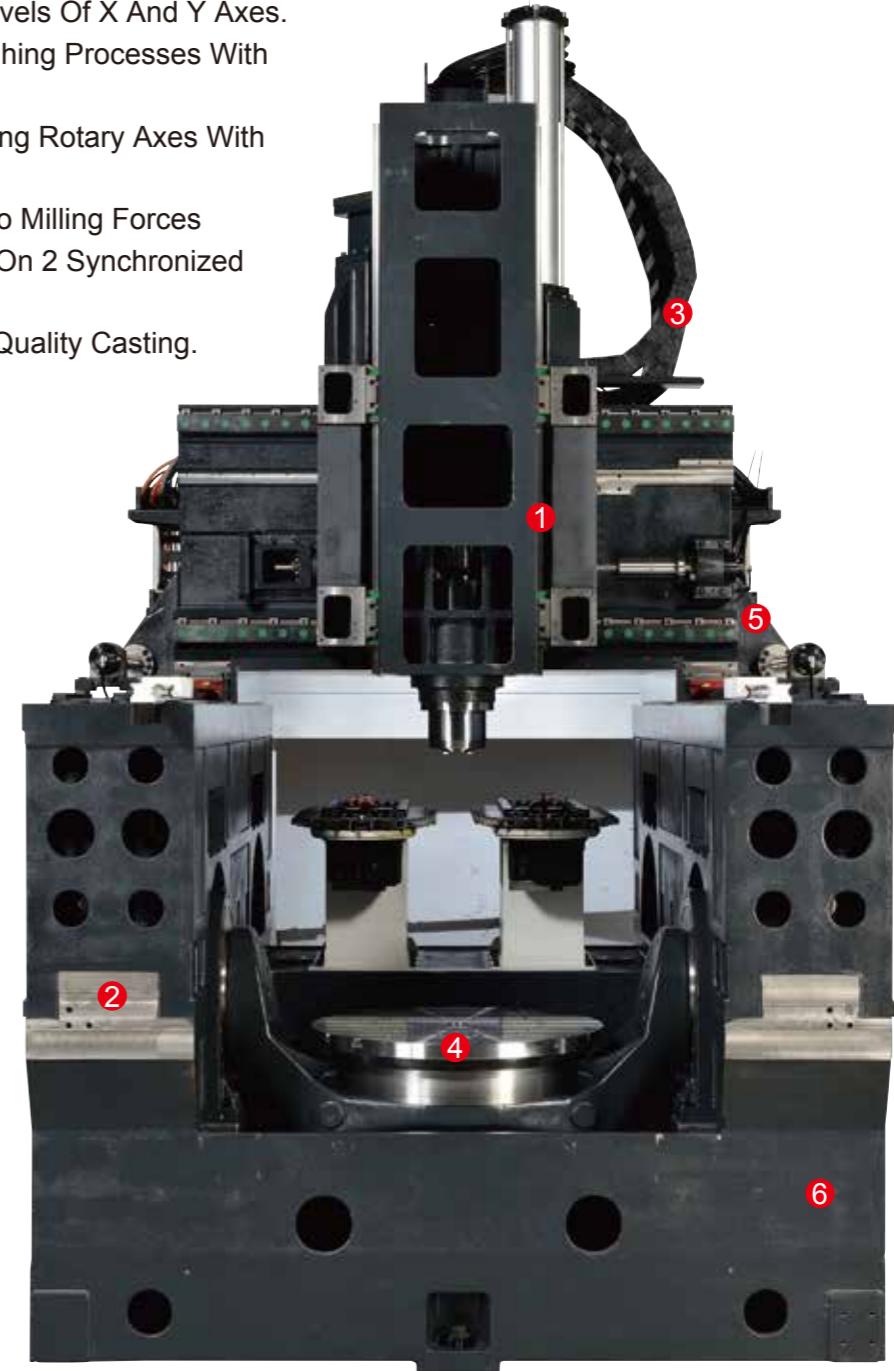
5-Axis Gantry Type
Machining Center
(Simultaneous)

Gantry-Type 5 Axis FUV-800 Machining Center Is Built & Designed With High Rigidity. The Most Components With High – Tech Design And From World – Class Suppliers To Ensure The Best Quality And Reliability. Focaseiki Patented AI Technology Attains Reaching High Levels Of Accuracy And Embrace Industry 4.0 Technologies, Reliability Is Upgraded. Maintenance Costs Minimized And Downtime Avoided.



Maximal work area
Minimal table to door
Distance 720 mm
(for easy workpiece loading)

- ① Spindle Move By 3 Linear Axes & No Rotary Axis Between The Tool And The Machine Body.
- ② Same Stability In All Travels Of X And Y Axes.
- ③ Highest Rigidity In Roughing Processes With High Torque Spindle.
- ④ Table Moved By Swiveling Rotary Axes With Best Accuracy.
- ⑤ Best Servo Response To Milling Forces Massive Gantry Sliding On 2 Synchronized Axes.
- ⑥ All Body Made Of High Quality Casting.



Heidenhain TNC 640 w/touchscreen

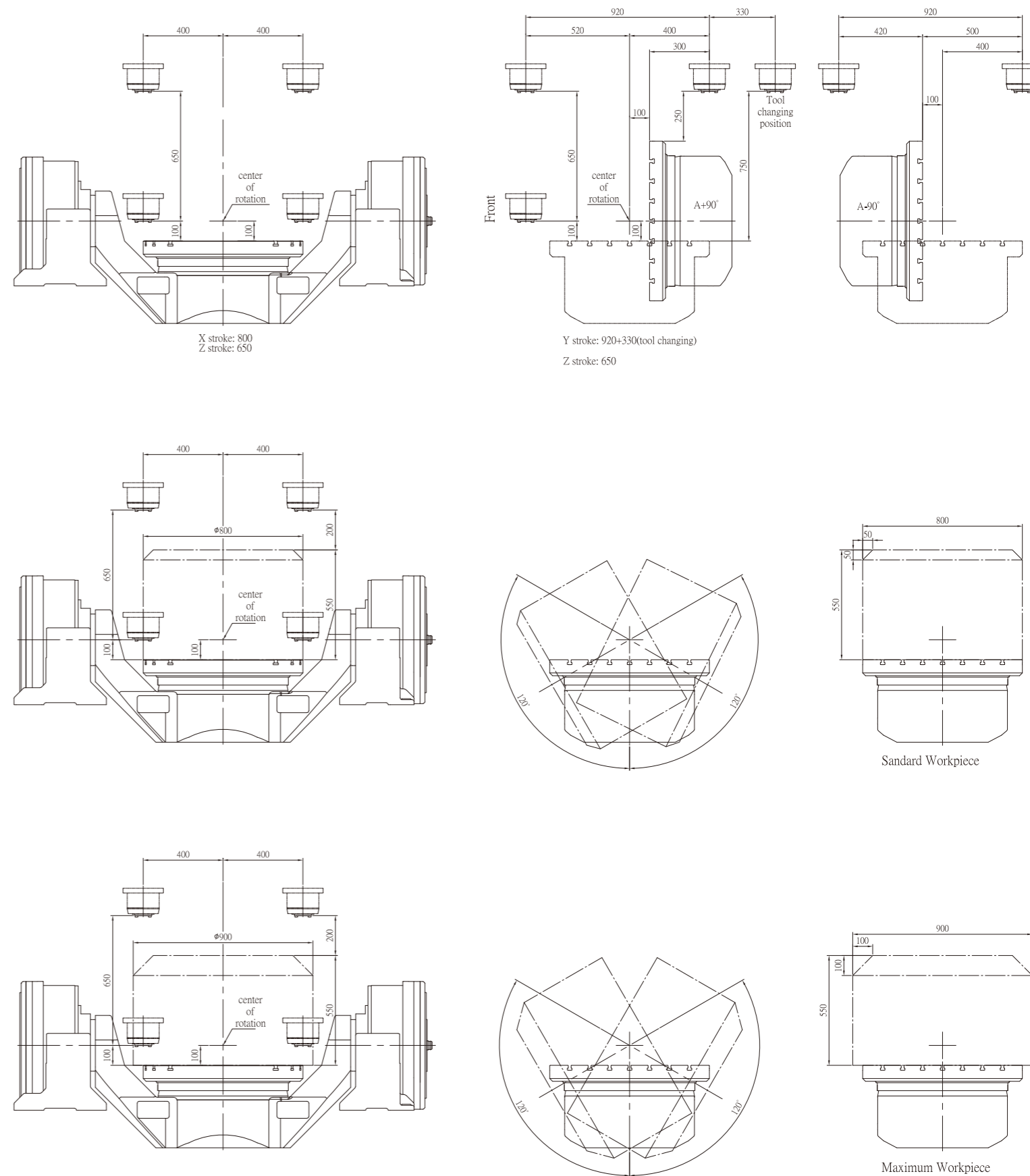


Siemens 840D w/touchscreen

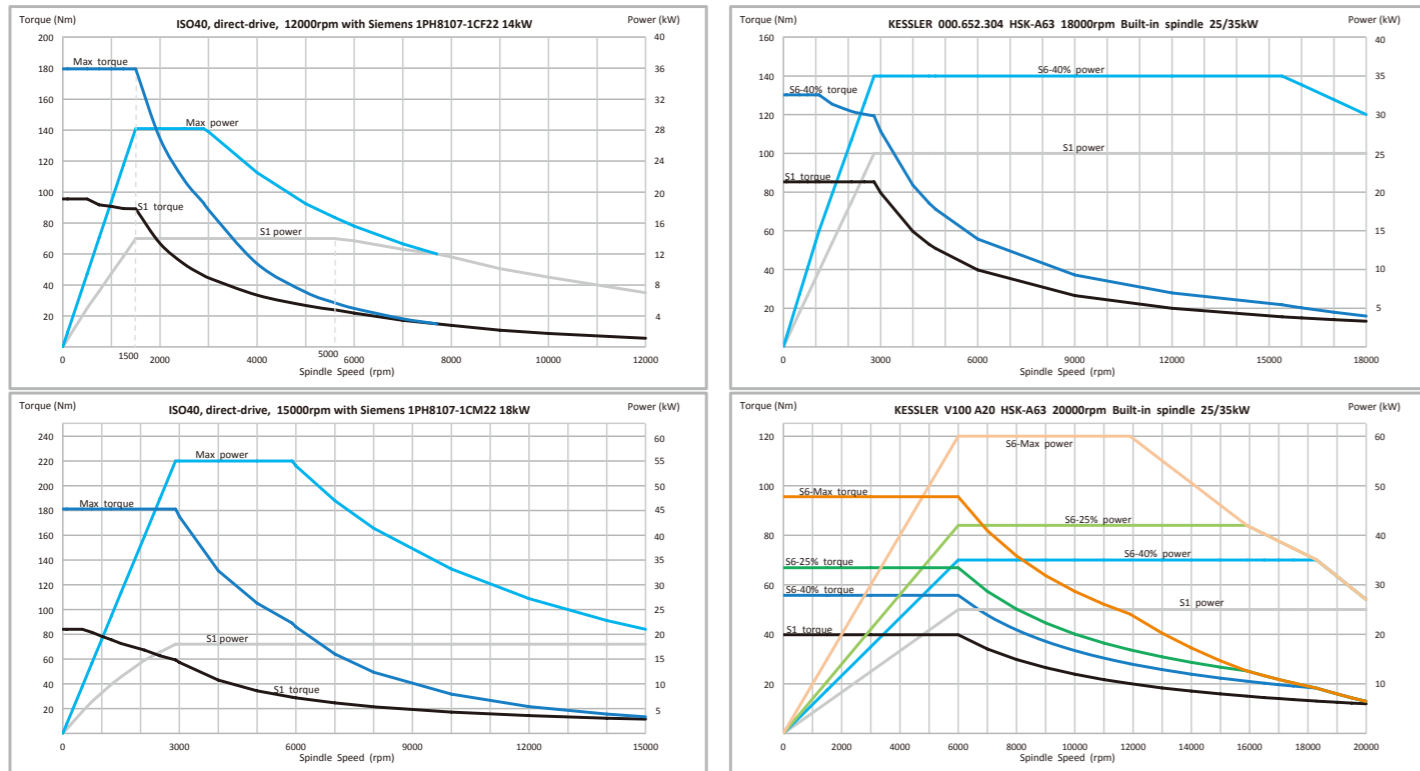
Tool management carousel - type magazine with 32 to 120 tools



Interference

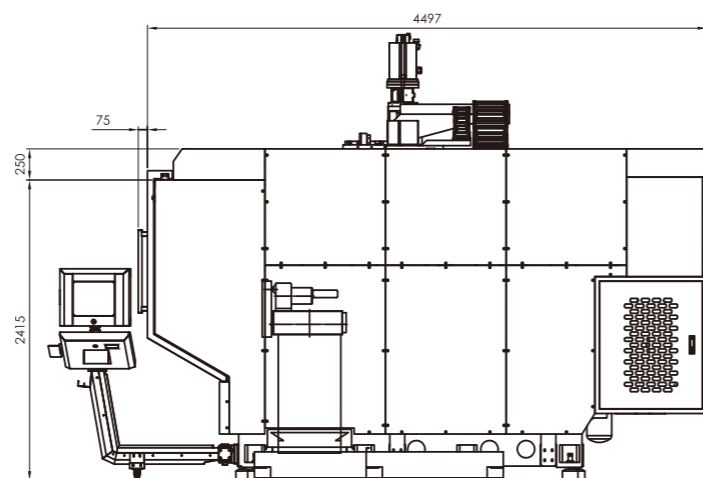
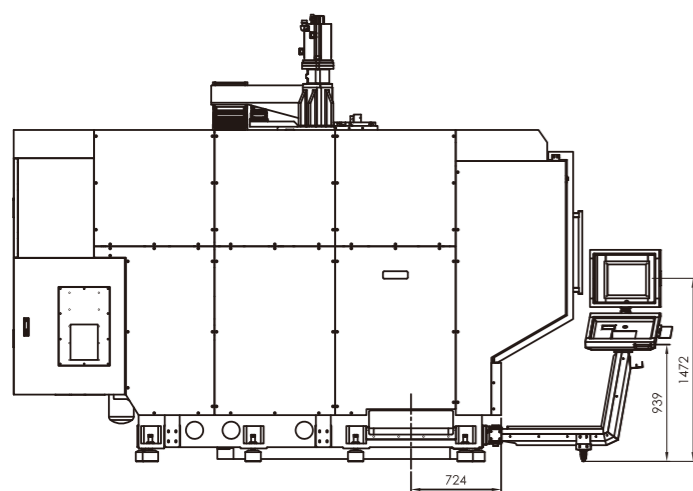
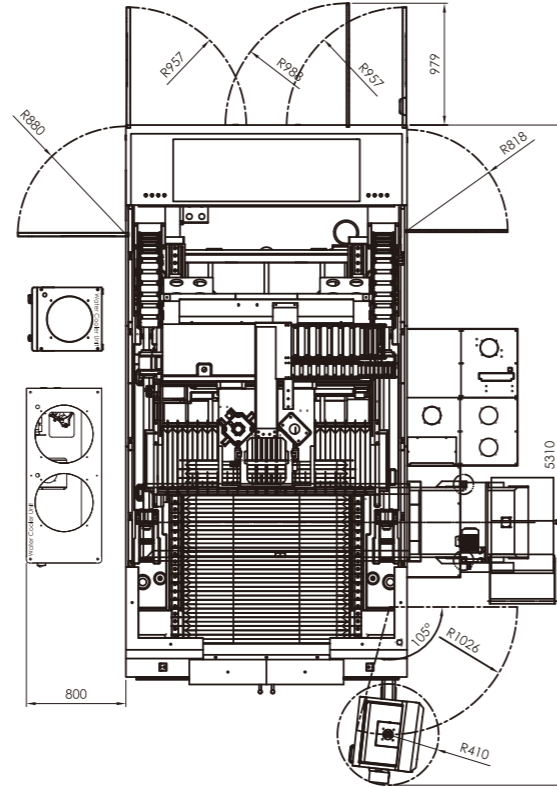
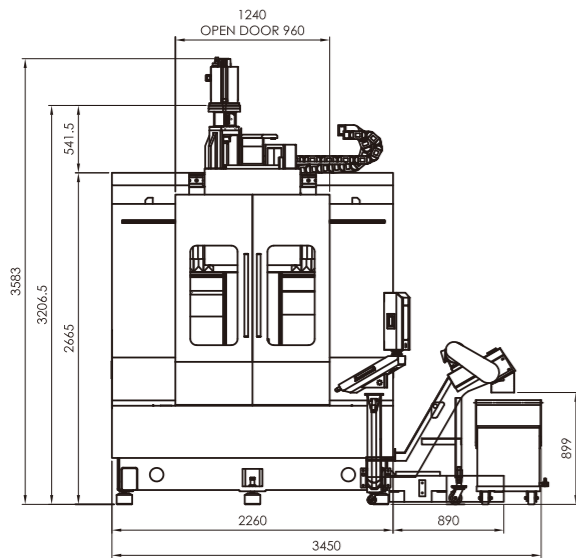


Spindle torque chart



FUV-800 Spindle output charts

Layout and workspace



Machine Specification

800

Spindle

Spindle type	Direct
Spindle taper	ISO40/HSK-A63(ISO50/HSK-A100)
Spindle speed	12000(15000/18000/20000)r.p.m

Travel

X/Y/Z (mm)	800/920/650
A Axis tilting range	-120°-+120°
C Axis rotating range	360°
Spindle nose to table surface (mm)	100-750

A.T.C

Tool magazine capacity	ISO40 32 (40/60/64/80/120) ISO50 32(40/60)
Tool Shank	ISO40/HSK-A63 (ISO50/HSK-A100)
Max . tool length (mm)	300mm(40# / 50#)
Max. tool diameter (mm)	Ø75 / Ø 125 mm (40# Flat Tool Magazine) Ø125 / Ø 200 mm (50# Flat Tool Magazine)
Max tool weight (kgs)	ISO40/7 (ISO50/15)

Rapid Speed

X/Y/Z axis (mm/min)	36(48)
A/C axis (rpm)	60/90
Cutting feedrate (m/min)	20

A/C AXIS

Table size (mm)	800
T-Slot number/pitch (mm)	5x125x14
Max. table loading (kgs)	1200
Center hole (mm)	50H8

Others

Machine Dimension LxWxH (mm)	3450x5310x3600
Machine Weight (net/kgs)	21000
Coolant tank capacity (liters)	210
Pneumatic supply (kg/cm ²)	4-6

- we reserve the right to modify the design and specification without notice in advance. Above specification are for reference only. Correct specification are based on actual machine.
- Description in () are optional accessories.

Standard Accessories :

- Spindle speed direct 12000 rpm
- Spindle chiller
- Chip conveyor
- A.T.C 32T
- Heat exchanger
- X/Y/Z Linear scale
- A/C axis encoder
- Heidenhain iTNC 640
- M30
- Coolant Gun
- Air Gun
- Spindle Thermal Compensation

Optional Accessories :

- C.T.S
- Laser tool length measurement (Blum/Renishaw)
- Work piece measurement
- CE mark
- Transformer
- Air conditioner
- Spin window
- Oil mist collector
- Siemens controller 840D
- Kinematics calibrating device (KKH-100/TS 460/TS 640)