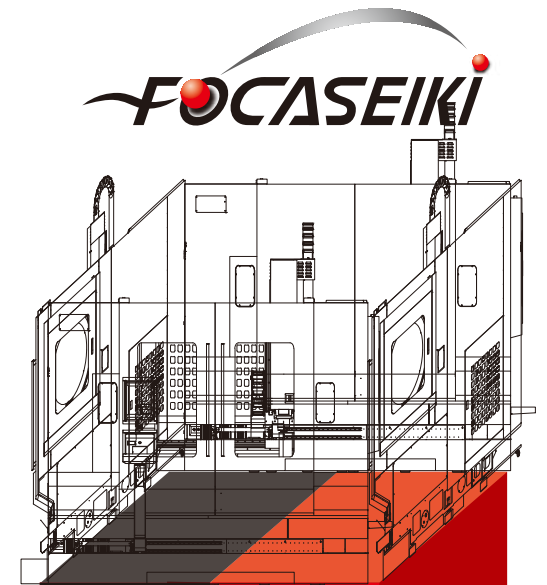




High Performance Machining Center (3+5 Axis)



SOGOTEC Precision Co., Ltd.

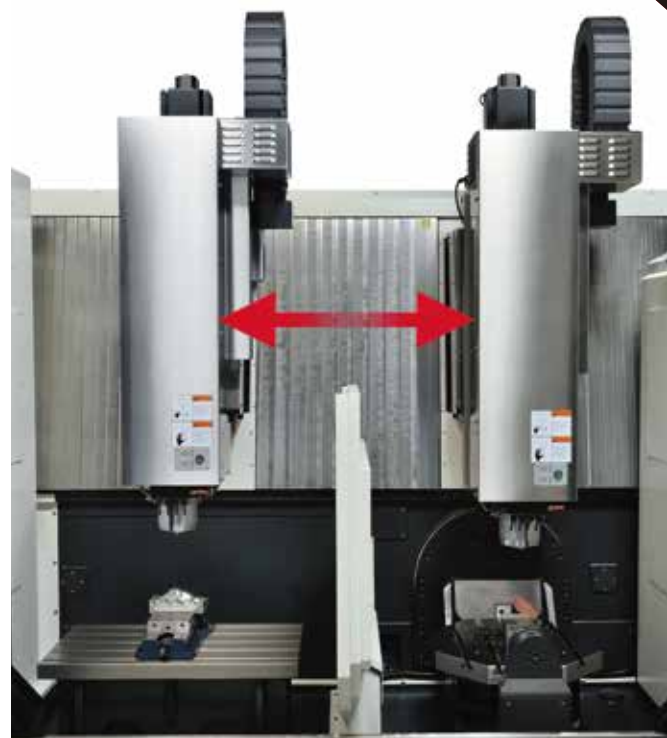
No.178, Guangqi Rd., Shengang Dist.,
Taichung City 42948 Taiwan

Tel: +886-4-2561-2611

Fax: +886-4-2561-1613

E-mail: sales@focaseiki.com.tw

www.focaseiki.com.tw



High Performance
Machining Center
(3+5 Axis)

Machine Features

(simultaneous 3+5 Axis)

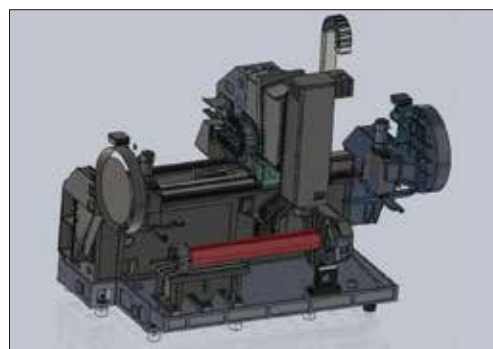
- ① Self-developed thermal compensation on Heidenhain controller.
- ② Insulation coolant plate with direct spindle motor, optional water coolant spindle motor.
- ③ Twin ATC, to reduce tool changing time during part processing.
- ④ All in one base and machine body, high stability of rigidity and accuracy.
- ⑤ High resolution encoder.



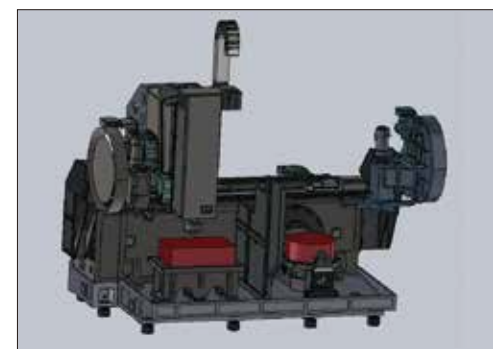
- ① Aesthetics design cover
- ② Optional operation cabinet.



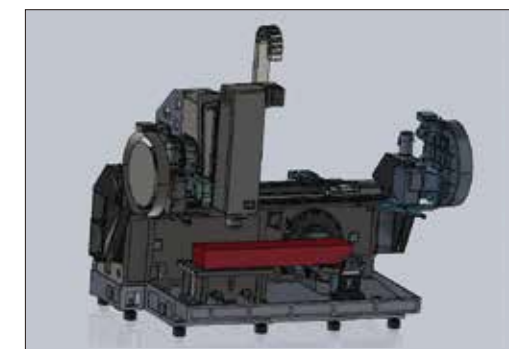
Processing diagram



Machining the surface of long shafts in a universal machine with flexibility.



Pendulum mode with a divided table (fixed, rotary)



Machining long workpieces up to 2.5M in one working area.

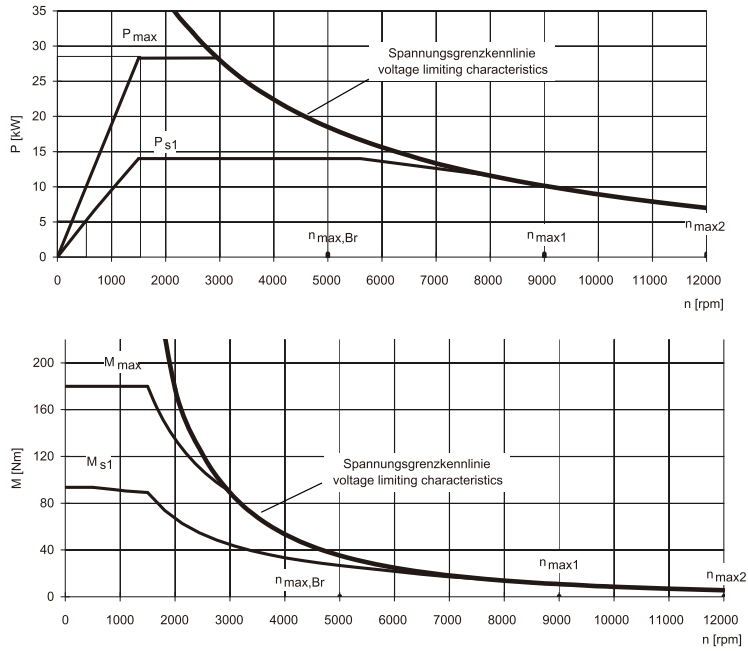
Machine Features

(simultaneous 3+5 Axis)

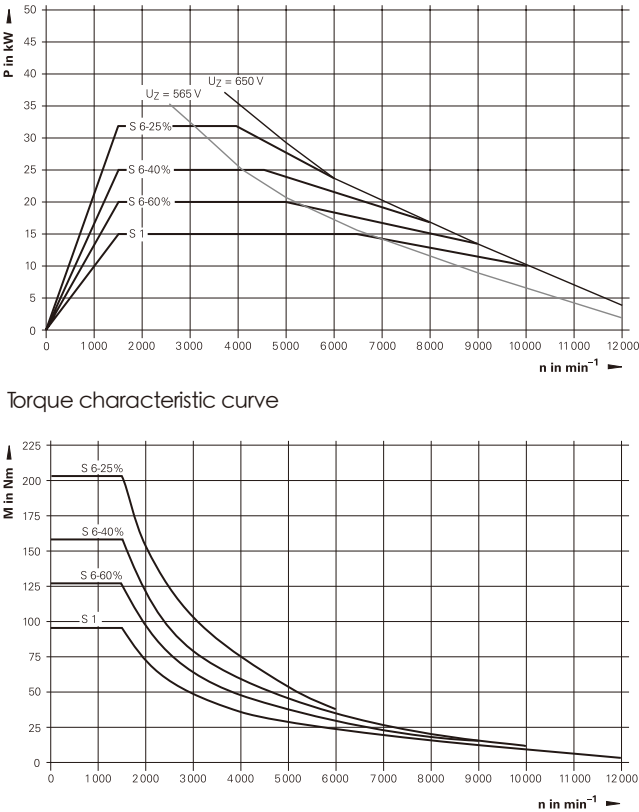
The spindle can move between two working area and both side have ATC to make tool changing faster.



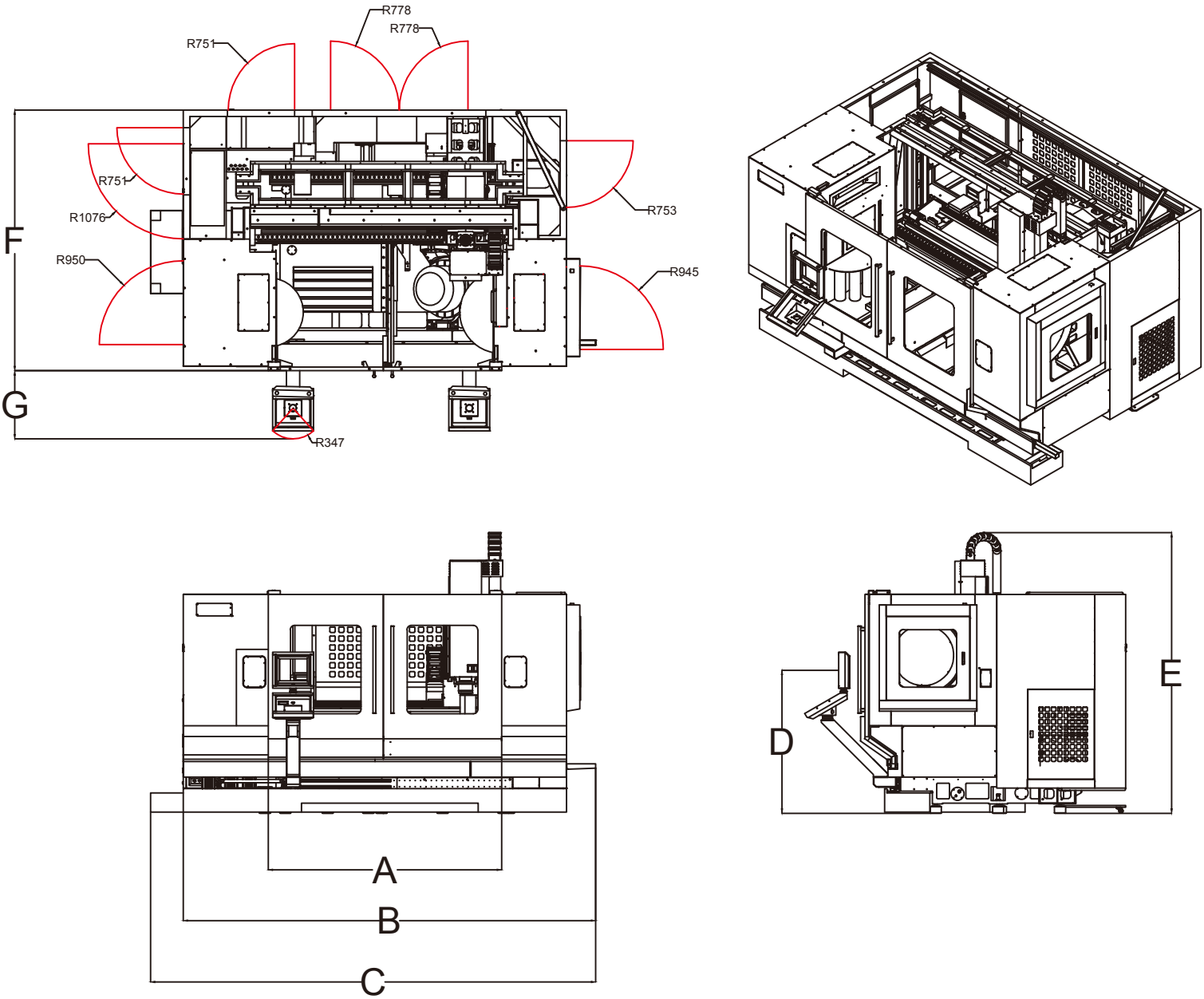
Spindle Motor
siemens IPH8107



Heidenhain 260 M.260MH
Power characteristic curve



Machine Dimension



UNIT:mm

Model	A	B	C	D	E	F	G
FUV-170T	1890	4468	4838	1619	3176	2950	770
FUV-190T	2090	4668	5038	1619	3176	2950	770
FUV-210T	2290	4868	5238	1619	3176	2950	770

Machine Features

(simultaneous 3+5 Axis)

Controller
Heidenhain



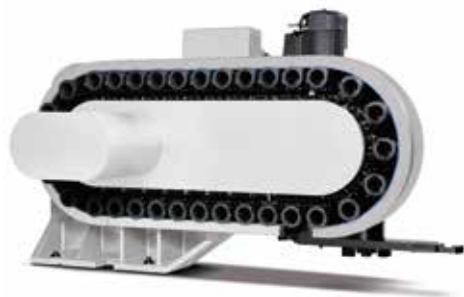
Siemens



Mitsubishi



Magazine
Standard(24.32.40T)



120T



220T



Chip Conveyor



Chain type



Scrap type

Machine Specification

	FUV-170T	FUV-190T	FUV-210T
Spindle			
Spindle transmission	Direct Drive		
Spindle taper	ISO 40(OPT:HSKA63)		
Spindle r.p.m.	12000rpm(OPT : 15000rpm,18000rpm)		
Travel			
Travel ranges(X*Y*Z mm)	1700x540x460	1900x540x460	2100x540x460
Spindle nose to table surface (mm)	150 ~ 610		
Table size (mm)	700 x 500	900 x 500	1100 x 500
Rotary Table diameter(mm)	650		
T-slot (width*distance*number mm)	5 x 100 x 18(Fixed table)		
Max. table load (kgs)	1200	1600	2000
A.T.C			
Tool magazine capacity(T)	24*2 tools(OPT : 32*2, 40*2 Tools)		
Tool Shank	ISO 40/ HSKA63		
Max. tool length(mm)	250		
Max tool weight(kgs)	7		
Rapid Speed			
X/Y/Z axis(m/min)	30/30/30	30/30/30	30/30/28
B/C axis (rpm)	C AXIS 25 rpm/B AXIS 12.5 rpm		
Cutting fedrate M/min	12		
B/C axis(Worm gear)			
Center hole size(mm)	70H7 x 10(50H7 x 14)		
T-slot number/pitch(mm)	5 x 100 x 18		
Max.table load(kgs)	300		
Others			
Machine Dimension(mm)	4400 x 2600 x 3000	4600 x 2600 x 3000	4800 x 2600 x 3000
Machine Weight(kgs)	17000	18000	19000
Coolant tank capacity(L)	720	750	780

- 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 :

- FULL SPLASH GUARD
- AIR BLAST THROUGH SPINDLE
- AIR CONDITIONER
- AUTO POWER OFF
- RIGID TAPPING
- CHIP CONVEYOR

Optional Accessories :

- CONTROL SYSTEM : FANUC, MITSUBISHI, HEIDENHAIN, SIEMENS
- TRANSFORMER
- MEASUREMENT SYSTEM(BLUM,RENISHAW)
- LINEAR SCALE(HEIDENHAIN,RENISHAW)
- COOLANT THROUGH SPINDLE(C.T.S 30BAR, 50BAR, 70BAR)
- SPINDLE SPLASH RING
- KINEMATIC OPT
- DCM
- TCP