



FAR EAST MACHINERY CO., LTD.
FACTORY AUTOMATION TECH. CO., LTD.

☎ +886-5-213-3166

☎ +886-5-220-5293

✉ global@femco.com.tw

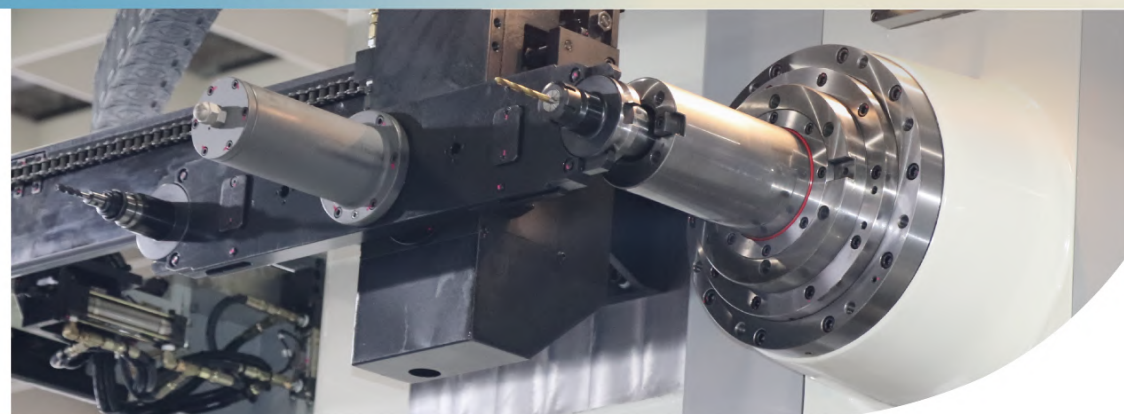
📍 No. 26, Zhongshan Rd., Fule Vil., Minxiong Township,
Chiayi County 621016, Taiwan



www.FATEK.com.tw



MIRDC
ISO 9001



FEMCO
FATEK

**CNC HORIZONTAL
BORING & MILLING
MACHINE
BMC SERIES**

www.FATEK.com.tw

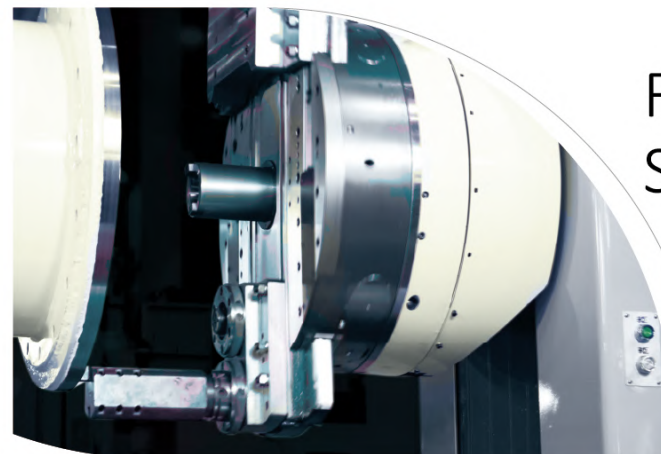
BMC SERIES

BMC 110 SERIES

BMC-110R1/R2/R3
BMC-110T2/T3/T4
BMC-110R1 APC



FACING HEAD SERIES



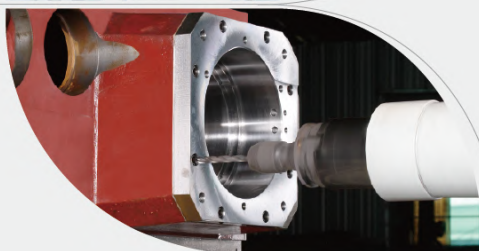
BMC 135 SERIES

BMC-135TN
BMC-135FTS



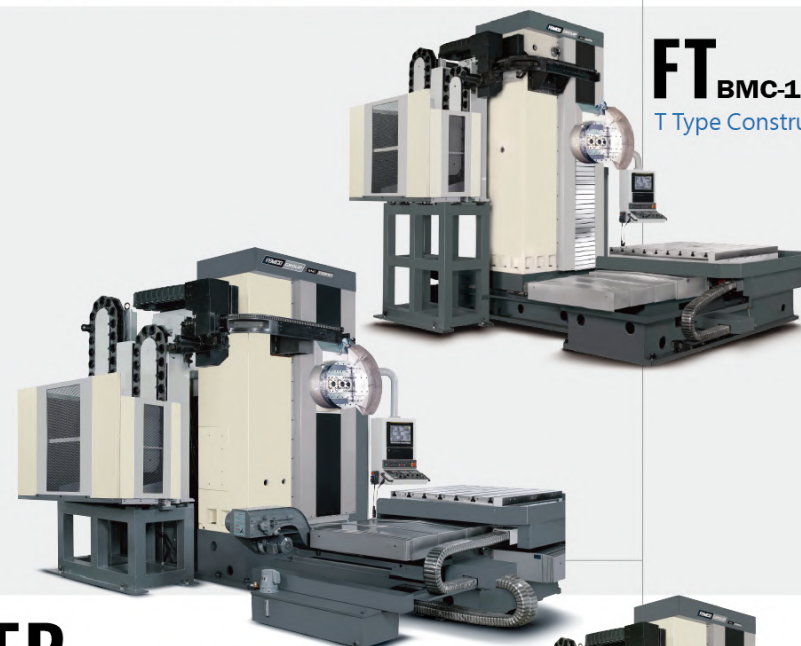
HIGH SPEED SERIES

BMC-100HT/HR
BMC-250T



FT BMC-110FT2/FT3/FT4

T Type Construction Base



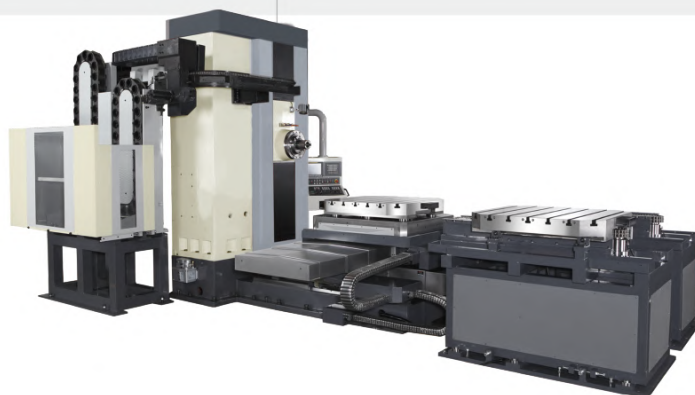
FR BMC-110FR1/FR2/FR3

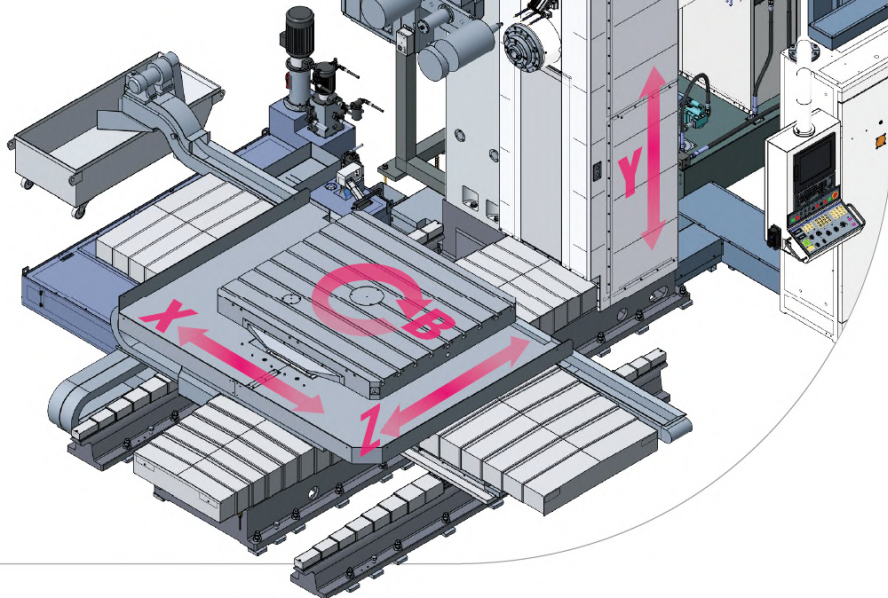
R Type Construction Base



RF BMC-110R1F

The Multifunctional Model





110 R Series

FIXED COLUMN TYPE

High Stability · High Efficiency

Features

X Axis Maximum Travel : 3000 mm

Y Axis Maximum Travel : 1780 mm

Z Axis Maximum Travel : 1650 mm

W Axis : 500 mm

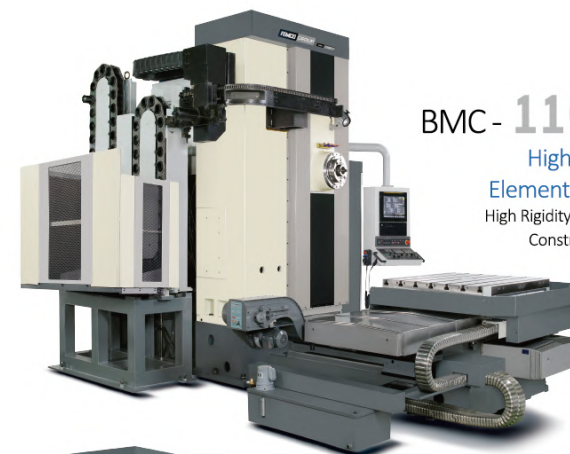
Table Load Max. Capacity : 6300 kgs

Spindle constructed of wear resistant, high tensile strength alloy steel with a hardness of more than HV1000.

Spindle Max. Speed : 2500 rpm

Spindle Max. Torque : 1504 Nm

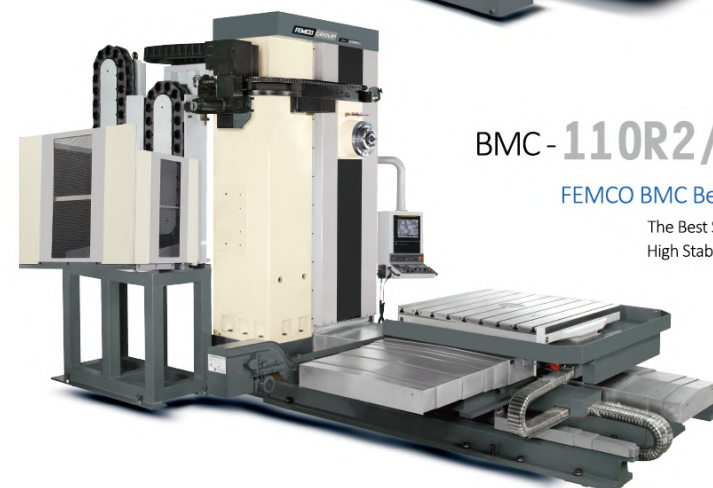
- All primary structural components are composed of high quality cast iron
- Fixed column construction
- 4+1 axis and 4 axis simultaneous
- B axis design integrates two worm gears to minimize backlash; incorporates high precision encoder (rotary scale) for 0.001 degree precision table rotation
- X, Y, Z axis Linear Scales (standard)
- FANUC (standard)
Heidenhain, Siemens (option)
- Spindle support extension sleeve as a standard accessory, it can improve rigidity of deep hole processing.



BMC-110R1

High Efficiency
Elementary Model

High Rigidity & Full Casting
Construction Design



BMC-110R2/R3

FEMCO BMC Best Seller

The Best Selection of
High Stability Models

ITEM	110R1	110R2/R3
X Axis Travel	1400mm	2000/3000mm
Y Axis Travel	1390mm	1780mm
Z Axis Travel	1050mm	1650mm
W Axis Travel	500mm	500mm
Spindle Speed	2500rpm	2500rpm
Spindle Bar Dia.	110mm	110mm
B Axis Table	0.001 degree indexing	0.001 degree indexing
Table Size	1120mm x 1250mm	1440mm x 1600mm
Table Load Capacity	4000kgs.	6300kgs.

Optional Equipment



60 / 90T
ATC



Right Angle
Work Table



Work Piece
Measurement



Tool Length
Probe



Splash Guard



720mm
Facing Head



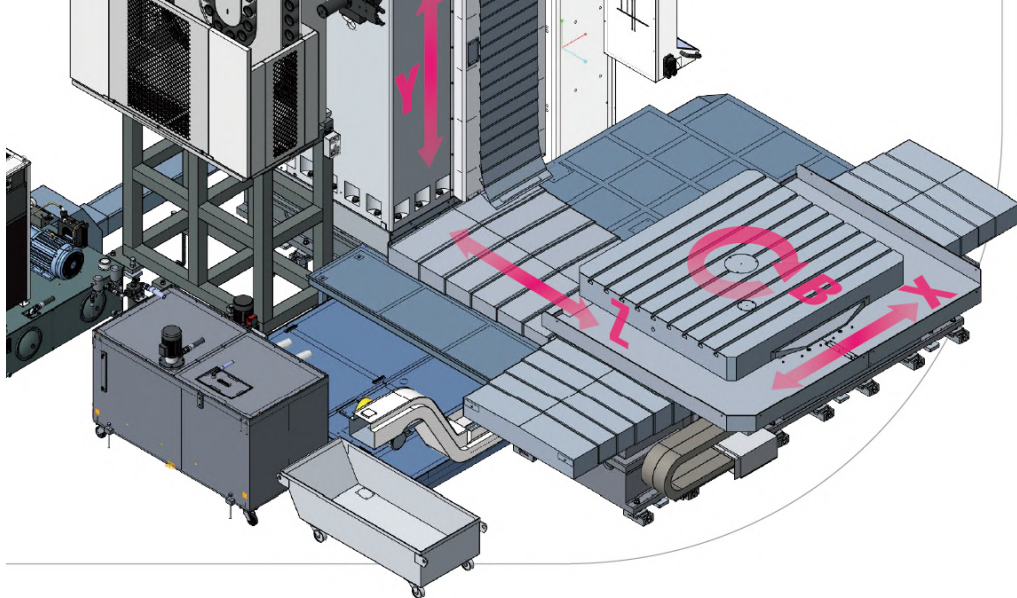
Facing Tool



90 Degree
Angle Head



Manual Universal
Milling Head



110T Series

MOVING COLUMN TYPE

Heavy Table Loading Capacity

Features

X Axis Maximum Travel : Up to 4000 mm

Y Axis Maximum Travel : 2050 mm

Z Axis Maximum Travel : 1500 mm

W Axis : 500 mm

Table Load Max. Capacity : 8000 kgs

Spindle constructed of wear resistant, high tensile strength alloy steel with a hardness of more than HV1000.

Spindle Max. Speed : 2500 rpm

Spindle Max. Torque : 1504 Nm

- All primary structural components are composed of high quality cast iron
- Moving column design, high table load capacity, rigid construction
- 4+1 axis and 4 axis simultaneous
- Standard table size 1440 mm X 1600 mm
- B-axis design integrates two worm gears to minimize backlash; incorporates high precision encoder (rotary scale) for 0.001 degree precision table rotation
- X, Y, Z axis Linear Scales (standard)
- FANUC (standard)
Heidenhain, Siemens (option)
- Spindle support extension sleeve as a standard accessory, it can improve rigidity of deep hole processing.



BMC - 110T2/T3/T4

FEMCO Essential Boring Mills

Powerful Headstock High Torque Precise Table

BMC-110T Series Machines represent classic table type horizontal borers that are currently on the market. Gear drive headstock equipped with powerful spindle, brings high torque power with excellent precision heavy loading table. BMC-110T series can fulfill the needs of most demanding customers.

ITEM	110T2/T3/T4
X Axis Travel	2000 / 3000 / 4000mm
Y Axis Travel	2050mm
Z Axis Travel	1500mm
W Axis Travel	500mm
Spindle Speed	2500rpm
Spindle Bar Dia.	110mm
B Axis Table	0.001 degree indexing
Table Size	1440mm x 1600mm
Table Load Capacity	8000kgs.

Optional Equipment



60 / 90T
ATC



Right Angle
Work Table



Work Piece
Measurement



Tool Length
Probe



Splash Guard



720mm
Facing Head



Facing Tool



90 Degree
Angle Head



Manual Universal
Milling Head

Optional
Equipment



60 / 90T
ATC



Right Angle
Work Table



Work Piece
Measurement



Tool Length
Probe



Splash Guard



Extension
Sleeve



90 Degree
Angle Head



Manual Universal
Milling Head



Linear Scale
(HDH)

135 Series

THE CHOICE FOR HEAVY INDUSTRY



BMC - 135TN

Optional X/Y/Z Axis Travel,
Flexible for Various
Machining Requirements

ITEM	135TN
X Axis Travel	3000/4000mm
Y Axis Travel	2500/3000mm
Z Axis Travel	1500/2000mm
W Axis Travel	800mm
Spindle Speed	3000rpm
Spindle Bar Dia.	135mm
B Axis Table	0.001 degree indexing
Table Size	2200mm x 2200mm
Table Load Capacity	15000kgs.

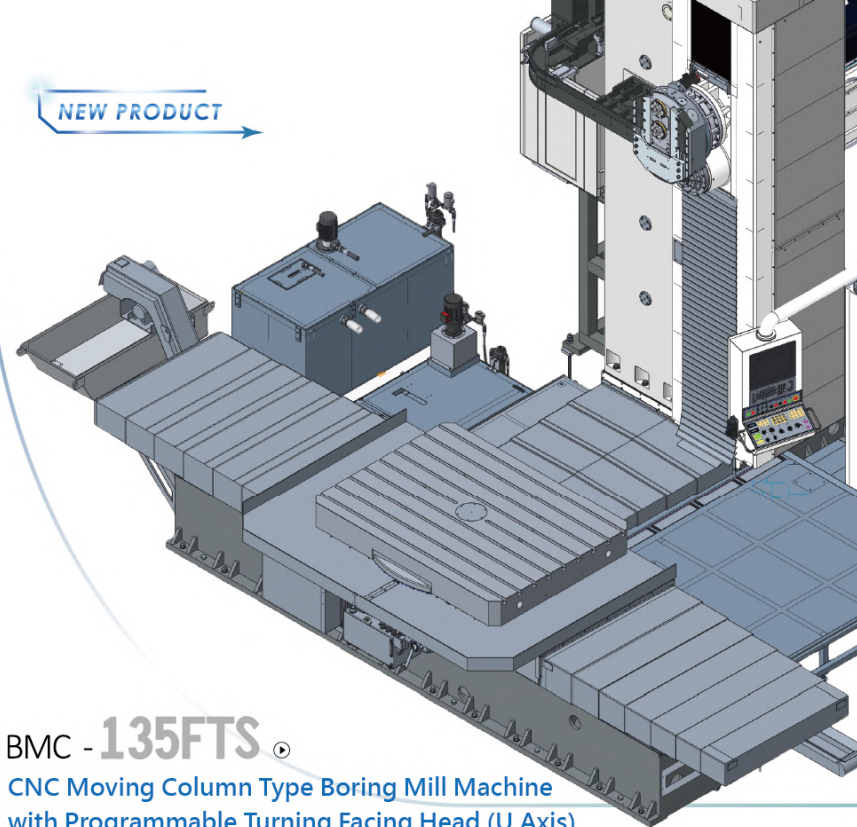
135mm Spindle Diameter Moving Column Construction

BMC-135TN represents large spindle diameter of FEMCO BMC series.

BMC-135TN can perform extreme precision machining, powerful milling and drilling processes among similar machines in the market.

This machine can be individually tailored to meet the customer's requirements by choosing from comprehensive options and equipments.

NEW PRODUCT



BMC - 135FTS

CNC Moving Column Type Boring Mill Machine
with Programmable Turning Facing Head (U Axis)

The innovative highlights include a high load capacity table and facing head with turning function. The maximum table load capacity is 20 tons.

This newly developed facing head is not an appendix, it is specially designed for compound processing, and the operator doesn't need to remove or reinstall it.

ITEM	135FTS	Facing Head (U Axis)
X Axis Travel	3000mm/4000mm(option)	O.D. 720 mm
Y Axis Travel	2500mm/3000mm(option)	Slide Stroke 230 mm
Z Axis Travel	1500mm/2000mm(option)	Max. Face Machining Dia 1050 mm
W Axis Travel	800mm	Max. Speed Range 170 rpm
Spindle Speed	3000rpm	Max. Torque 5478 Nm
Spindle Bar Dia .	135mm	Slide Rapid Traverse
B Axis Table	0.001 degree indexing	1500 (αiS4 6000) mm/min
Table size	1500mm x 2000mm	
Table Load Capacity	20000kgs.	

Optional
Equipment



60T
ATC



Right Angle
Work Table



Work Piece
Measurement



Tool Length
Probe



Splash Guard



Linear Scale
(HDH)

Optional
Equipment



60T
ATC



Right Angle
Work Table



Work Piece
Measurement



Tool Length
Probe



Splash Guard



Coolant
Through Spindle



Paper
Filter

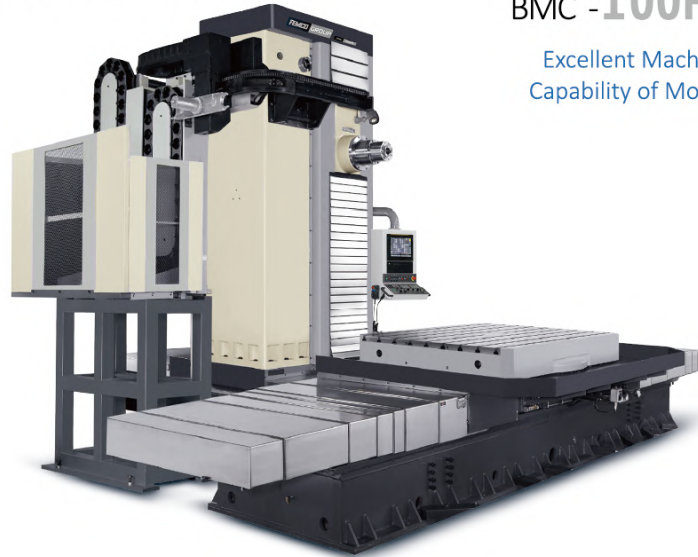


Linear Scale
(HDH)



Transformer

HIGH SPEED Series



BMC - 100HT

Excellent Machining
Capability of Molding

ITEM	100HT
X Axis Travel	3000mm
Y Axis Travel	2050mm
Z Axis Travel	1500mm
Spindle Speed	8000rpm
Spindle Bar Dia.	100mm
B Axis Table	0.001 degree indexing
Table Size	1500mm x 2200mm
Table Load Capacity	20000kgs.

Efficient Mold Machining Spindle Speed up to 8000 rpm

BMC-100HT is designed for medium size workpiece with high efficiency mold machining.

Table size 1500mm x 2000 mm

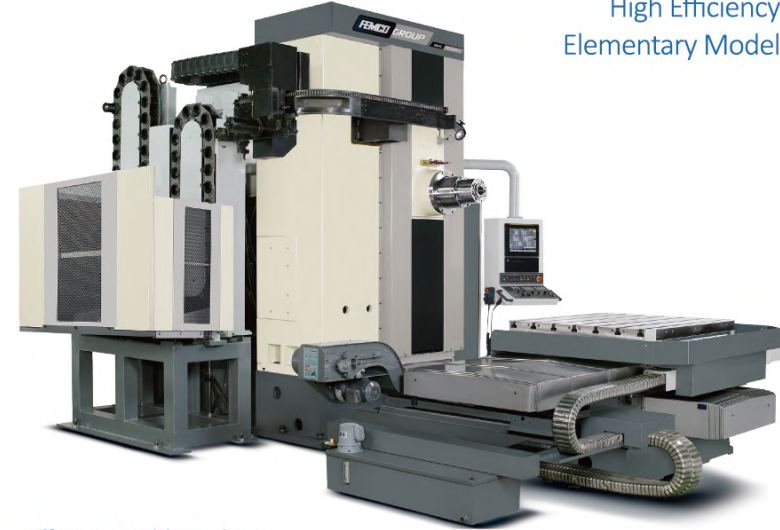
Full casting column with firmness process maximizes the rigidity of its structure and increases the precision during processing.

The build-in spindle design brings the spindle speed up to 8000 rpm.

BMC-100HT provides lots of optional devices to utilize its accuracy to meet the customer's demand. (e.g. FAGOR linear scale, monitoring systems.)

BMC - 100HR1/HR2/HR3

High Efficiency
Elementary Model



Efficient Mold Machining

Spindle Speed up to 8000 rpm

Pair fixed column structure with high speed motor to meet the need of high speed and high precision. The build-in spindle design brings the spindle speed up to 8000.

ITEM	100HR1	100HR2/HR3
X Axis Travel	1400mm	2000/3000mm
Y Axis Travel	1390mm	1780mm
Z Axis Travel	1050mm	1650mm
Spindle Speed	8000rpm	8000rpm
Spindle Bar Dia.	100mm	100mm
B Axis Table	0.001 degree indexing	0.001 degree indexing
Table size	1120mm x 1250mm	1440mm x 1600mm
Table Load Capacity	4000kgs.	6300kgs.

Optional
Equipment



60 / 90T
ATC



Right Angle
Work Table



Work Piece
Measurement



Tool Length
Probe



Splash Guard



Coolant
Through Spindle



Paper
Filter



Linear Scale
(HDH)



Transformer

FR/FT

Fixed Type Facing Head

Available on all models with
110 mm Spindle Bar Dia.

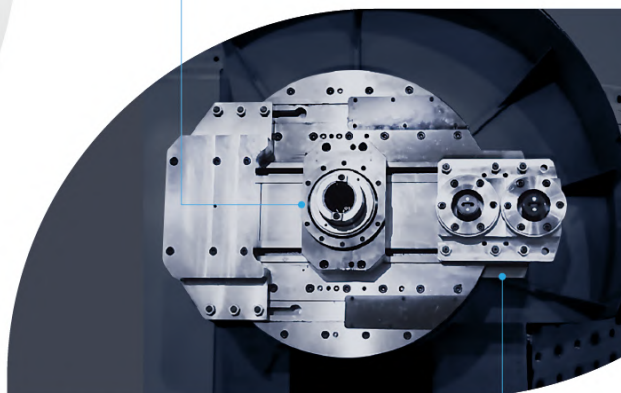
FT Type Column-moving Special Features

Use for corner machining, internal / external taper machining, ID / OD grooving and facing on valve body, pump housing, fitting and turbine housing.

5+1 Axis (X, Y, Z, W, B, U) Independent NC Which Is Programmable for All Shapes of Workpiece.
Facing Head Is Not Suitable for Standard Spindle

ISO-50

-  Facing Milling
-  Boring
-  Drilling
-  Tapping
-  End-Milling
-  Milling & Grooving



* Facing Tool is not suitable for standard spindle.

* Facing Head W Axis (Spindle exceeds the extended sleeve by 130 mm.)

HSK-100

-  Outer O.D. (taper, sphere, contour)
-  End-Face (chamfer, groove)
-  I.D. (taper, sphere, shape)
-  Grooving (I.D., O.D. groove)
-  Threading (I.D., O.D. thread)

Standard Accessories Include

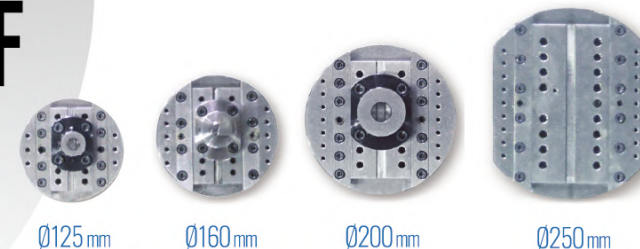
- BT Type tool 1pc
- HSK Type tool 1pc
- HSK Type tool 2pcs (optional)

FACING HEAD (U AXIS)		
O.D.	720	mm
Slide Stroke	230	mm
Max. Face Machining Dia	1050	mm
Speed Range	5~250	rpm
Max. Torque	4593	Nm
Slide Rapid Traverse	1500	mm/min
Servo Motor	1.6	kW

Facing Tool RF

Ø125 ~ Ø250 mm

Suitable for spindle
110 mm model



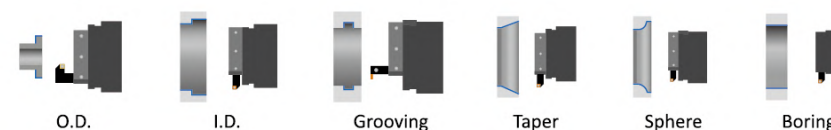
Unique Facing Tools designed for use with Automatic Tool Changer and to be stationed in ATC Magazine for flexible part processing

Facing Tools of various sizes are an exclusive FEMCO patented design.

These facing heads are suitable for machining smaller workpieces, which can increase processing efficiency.



* Facing Tool is not suitable for standard spindle.



FACING HEAD (U AXIS)			FACING TOOL		
O.D.	125	160	200	250	mm
Slide Stroke	25	35	45	55	mm
Max. Face Machining Dia	200	250	320	400	mm
Speed Range	8~3000				rpm
Max. Torque	1504				Nm
Slide Rapid Traverse	2000				mm/min
Servo Motor	1				kW

Optional Equipment



60 / 90T
ATC



Right Angle
Work Table



Work Piece
Measurement



Tool Length
Probe



Splash Guard



Coolant
Through Spindle



Paper
Filter



Linear Scale
(HDH)



Transformer

HIGH SPEED Series



BMC - 250T (8T/15T)

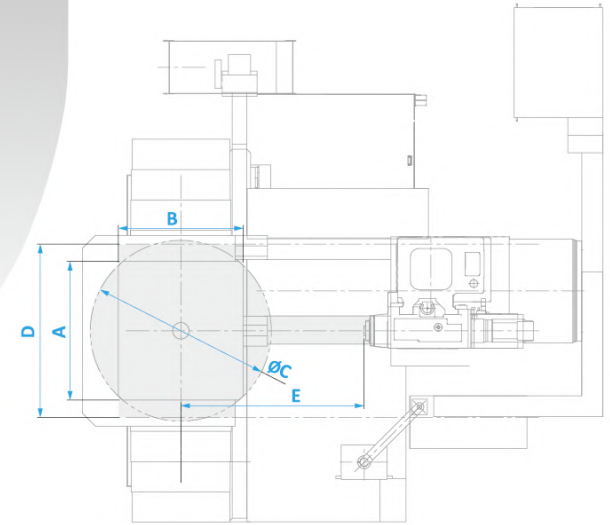
Deep Cavity Mold
Machining

RAM Design Heavy Machining

BMC-250T CNC horizontal boring machine is designed with moving column structure, high speed spindle and extension RAM for heavy duty jobs, mold industries and can perform deep hole machining. The spindle speed can go up to max. 6000rpm.

ITEM	250T(8T)	250T(15T)
X Axis Travel	2000mm	3000 mm
Y Axis Travel	2050mm	2050mm
Z Axis Travel	1500mm	1500mm
W Axis Ram Travel	500mm	500mm
Spindle Speed	6000rpm	6000rpm
Spindle Bar Dia.	100mm	100mm
B Axis Table	0.001 degree indexing	0.001 degree indexing
Table Size	1440mm x 1600mm	2200mm x 2200mm
Table Load Capacity	8000kgs.	15000kgs.

The Swing Table



	A Length	B Width	ØC Swing	D X Axis Travel	E The distance between Table Center to Spindle Nose	Z Axis Travel	Note	load capacity
BMC-110R1	1250	1120	1613	1400	1555	1050	Standard	4T
BMC-110FR1	1250	1120	1613	1400	1185	1050	Standard	4T
BMC-110FR1A	1250	1120	1613	1400	1130	1050	Standard	4T
BMC-100HR1	1250	1120	1613	1400	1293	1050	Standard	4T
BMC-110R1 APC	1100	1100	1360	1400	1555	1050	Standard	3T
BMC-110R2/R3	1600	1440	2087	2000/3000	2280	1650	Standard	6.3T
BMC-110R2/R3	2000	1800	2625	2000/3000	2280	1650	Option	5T
BMC-100HR2/HR3	1600	1440	2087	2000/3000	2020	1650	Standard	6.3T
BMC-110FR2/FR3	1600	1440	2087	2000/3000	1910	1650	Standard	6.3T
BMC-110T2/T3/T4	1600	1440	2087	2000/3000/4000	2150	1500	Standard	8T
BMC-110FT2/FT3/FT4	1600	1440	2087	2000/3000/4000	1780	1500	Standard	8T
BMC-110FT2A/FT3A/FT4A	1600	1440	2087	2000/3000/4000	1725	1500	Standard	8T
BMC-135TN	2200	2200	2780	3000/4000	2505	1500	Standard	15T
BMC-135TN	2200	2200	2780	3000/4000	3005	2000	Option	15T
BMC-135FTS/TS	2000	1500	2419	3000/4000	2258.5	1500	Standard	20T
BMC-135FTS/TS	2000	1500	2419	3000/4000	2758.5	2000	Option	20T
BMC-100HT	2000	1500	2419	3000	1910	1500	Standard	20T
BMC-250T	1600	1440	2087	2000	2150	1500	Standard	8T

Torque Drawing

30 min / continuous rating

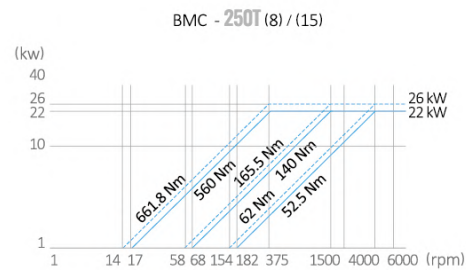
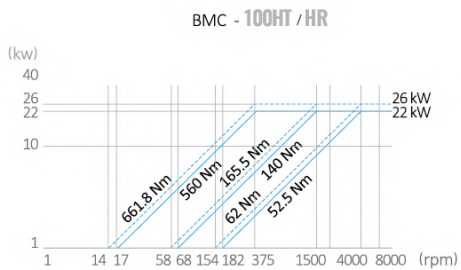
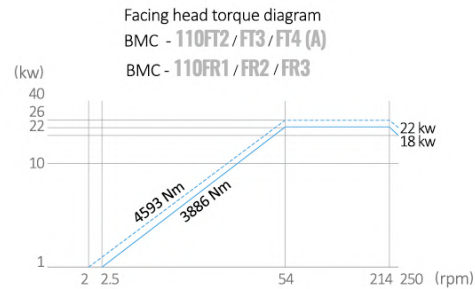
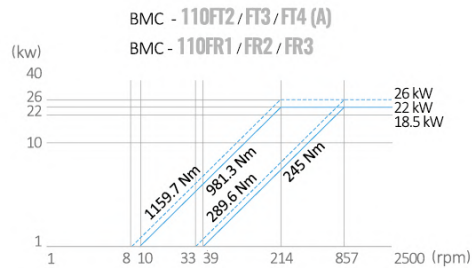
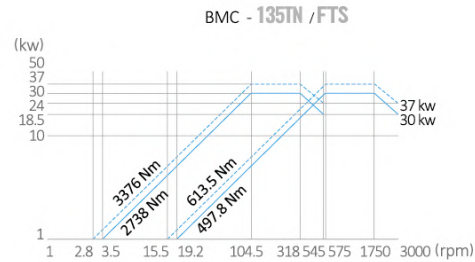
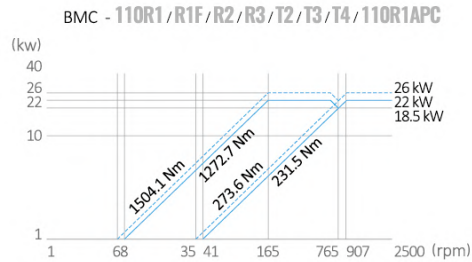
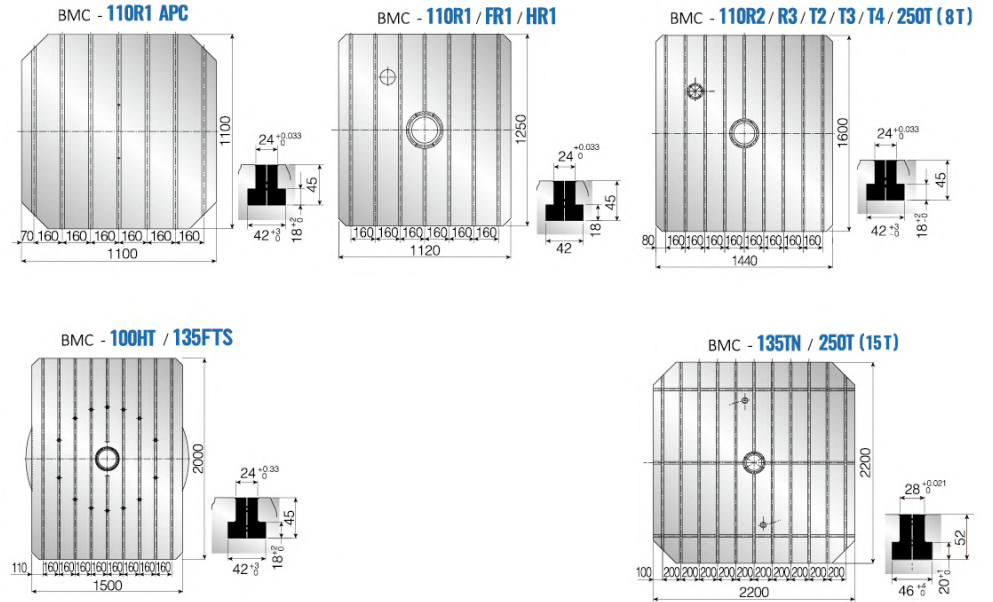
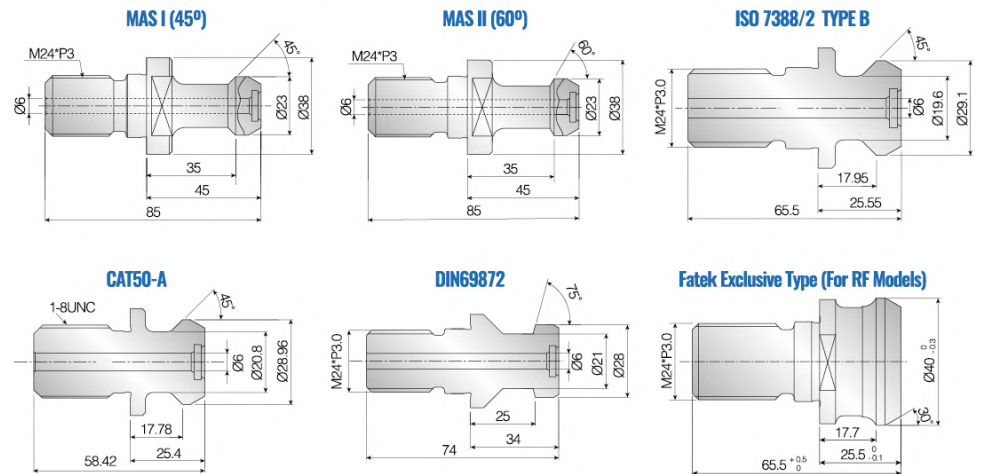


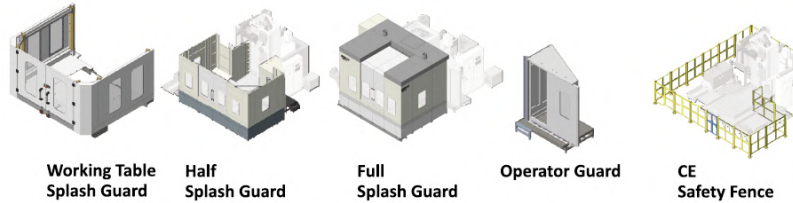
Table & T-slot Dimension



Pull Stud Dimension



Guard (Optional)



R	BMC-110R1 100HR1	O	O	O	O	※
	BMC-110R2 100HR2	O	O	O	O	O
	BMC-110R3 100HR3	O	※	X	O	O
T	BMC-110T2	O	O	O	O	O
	BMC-110T3	O	※	X	O	※
	BMC-110T4	O	※	X	O	※
	BMC-135TN	O	O	X	O	O
	BMC-135FTS	O	O	X	O	O
	BMC-100HT	O	O	X	O	O
	BMC-250T	O	O	X	O	※
F	BMC-110R1F	O	X	O	O	※
	BMC-110FR1	O	O	O	O	※
	BMC-110FR2	O	O	O	O	O
	BMC-110FR3	O	※	X	O	O
	BMC-110FT2	O	O	X	O	O
	BMC-110FT3	O	※	X	O	※
	BMC-110FT4	O	※	X	O	※

*According to the CE/TS safety protection regulations, protective metal covers and fences must be installed (which can be optionally purchased from the original manufacturer or independently manufactured and installed by the customer based on the provided drawings). If improper installation results in personnel injury, the customer shall bear full responsibility.

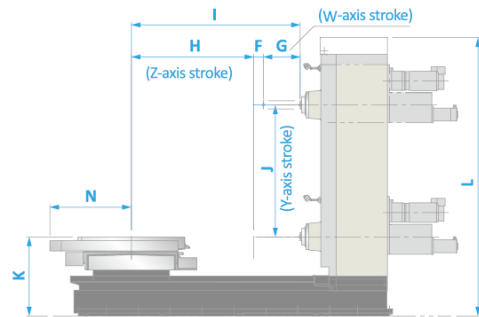
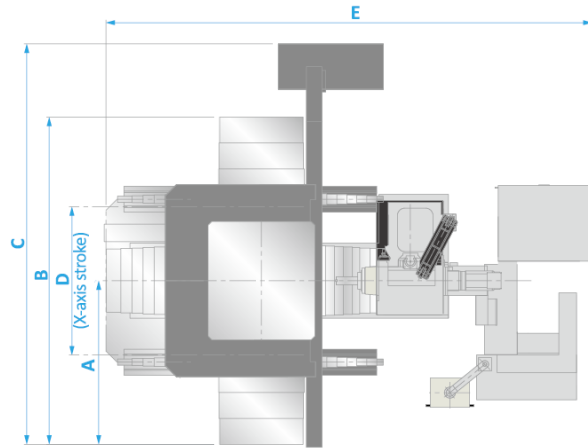
Optional Equipment

	BMC-110R1	BMC-110R2 BMC-110R3	BMC-110T2 BMC-110T3 BMC-110T4	BMC-135TN	BMC-100HT	BMC-250T	BMC-135FTS
FANUC 31iM/32iM Control System	○	○	○	X	X	X	○
SIEMENS Control System	○	○	○	○	X	X	○
HEIDENHAIN Control System	○	○	○	○	X	X	○
Spindle Motor Upgrade to 30/37 kW	○	○	○	●	X	X	●
Spindle Speed up to 3000 rpm	○	○	○	●	X	X	●
8000 rpm Build-in Spindle	○	○	○	X	●	X	X
Coolant Through Spindle	○	○	○	○	○	○	○
Spindle Extension Sleeve 250 mm	●	●	●	X	X	X	※
Spindle Extension Sleeve 200 mm	X	X	X	○	X	X	※
W Axis 700mm with Linear Scale	X	X	X	○	X	X	○
90 Degree Angle Head	○	○	○	○	X	X	X
Manual Universal Milling Head	○	○	○	○	X	X	X
Right Angle Work Table	○	○	○	○	○	○	○
Semi-Automatic Facing Head	○	○	○	X	X	X	X
NC Facing Head	○	○	○	X	X	X	●
Facing Head HSK Tools- ATC Type	○	○	○	X	X	X	X
Facing Tool	○	○	○	X	X	X	X
High Resolution Encoder	○	○	○	○	○	○	○
Air Conditioner for Electric Cabinet	○	○	○	○	○	○	○
Temperature Thermal Compensation	○	○	○	○	○	○	○
Paper Filter with High Pressure Coolant Tank	○	○	○	○	○	○	○
HDH Linear Scale for X/Y/Z Axis	○	○	○	○	○	○	○
Automatic Tool Changer (60/90 tools)	○	○	○	○	○ 60 tools only	○	○ 60 tools only
Tool Length Probe	○	○	○	○	○	○	○
Work Piece Measurement	○	○	○	○	○	○	○
Chip Conveyor	○	○	○	○	○	○	○
Oil Skimmer	○	○	○	○	○	○	○
Transformer	○	○	○	○	○	○	○
Automatic Pallet Changer	○	X	X	X	X	X	X

● : Standard ○ : Optional X : None ※ : TBD

Layout

BMC - R Type External Dimension

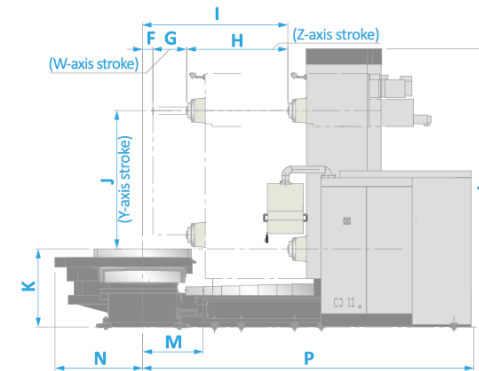
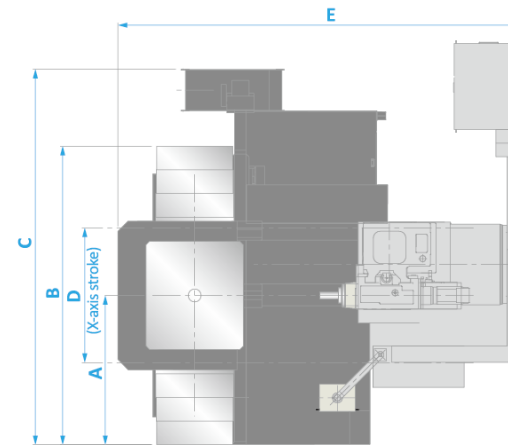


Unit:mm

	A	B	C	D	E	F	G	H	I	J	K	L	N
BMC-110R1	1760	3520	4740	1400	5476	5	500	1050	1555	1390	1045	3370	844
BMC-110R2	2210	4420	5409	2000	6566	130	500	1650	2280	1780	1070	3765	1298
BMC-110R3	2857.5	5715	6720	3000	6566	130	500	1650	2280	1780	1070	3765	1298
BMC-100HR1	1760	3520	4740	1400	5476	243.5	×	1050	1293.5	1390	1045	3370	844
BMC-100HR2	2210	4420	5409	2000	6566	370	×	1650	2020	1780	1070	3765	1298
BMC-100HR3	2857.5	5715	6720	3000	6566	370	×	1650	2020	1780	1070	3765	1298
BMC-110FR1	1760	3520	4740	1400	5666	5	130	1050	1185	1390	1045	3470	844
BMC-110FR2	2210	4420	5409	2000	6566	130	130	1650	1910	1780	1070	3865	1298
BMC-110FR1A	1760	3520	4740	1400	5666	-160	240	1050	1130	1390	1045	3470	844
BMC-110FR2A	2210	4420	5409	2000	5476	-35	240	1650	1855	1780	1070	3865	1298
BMC-110R1F	1760	3520	4740	1400	5666	5	500	1050	1555	1390	1045	3370	844

Layout

BMC - T Type External Dimension



Unit:mm

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
BMC-110T2	2210	4420	5560	2000	6207	150	500	1500	2150	2050	1150	4115	895	1298	4909
BMC-110T3	2832.5	5665	6805	3000	6207	150	500	1500	2150	2050	1150	4115	895	1298	4909
BMC-110T4	3499.5	6999	8035.5	4000	6207	150	500	1500	2150	2050	1150	4115	895	1298	4909
BMC-110FT2	2210	4420	5560	2000	6207	150	130	1500	1780	2050	1150	4115	895	1298	4909
BMC-110FT3	2832.5	5665	6805	3000	6207	150	130	1500	1780	2050	1150	4115	895	1298	4909
BMC-110FT4	3499.5	6999	8035.5	4000	6207	150	130	1500	1780	2050	1150	4115	895	1298	4909
BMC-110FT2A	2210	4420	5560	2000	6207	-15	240	1500	1725	2050	1150	4115	895	1298	4909
BMC-135TN (X:3000/Y:2500/Z:1500)	3074.5	6149	7202	3000	7462.5	205	800	1500	2505	2500	1395	5090	1289	1665	5797.5
BMC-135TN (X:3000/Y:3000/Z:2000)	3074.5	6149	7202	3000	8062.5	205	800	2000	3005	3000	1395	5590	1289	1665	6397.5
BMC-135TN (X:4000/Y:2500/Z:1500)	3574.5	7149	8204	4000	7462.5	205	800	1500	2505	2500	1395	5090	1289	1665	5797.5
BMC-135TN (X:4000/Y:3000/Z:2000)	3574.5	7149	8204	4000	8062.5	205	800	2000	3005	3000	1395	5590	1289	1665	6397.5
BMC-135FTS (X:3000/Y:2500/Z:1500)	3404	6808	8036	3000	6771	41.5	800	1500	2258.5	2265	1395	5090	1083.5	1259	5512
BMC-100HT	3402.5	6805	8036	3000	6436	410	×	1500	1910	2050	1150	4115	971.5	1259	5177
BMC-250T	2210	4420	5560	2000	6207	91.5	500	1500	2091.5	2050	1150	4160	895	1298	4909

Specification

			BMC-110R1/R2/R3/R1F	BMC-110FR1/FR2/FR3	BMC-100HR1/HR2/HR3	BMC-110T2/T3/T4	BMC-110FT2/FT3/FT4	BMC-100HT	BMC-135TN	BMC-135FTS	BMC-250T(8T)/(15T)	BMC-110R1 APC
TRAVEL	Table Cross Travel (X)	mm	1400 / 2000 / 3000	1400 / 2000 / 3000	1400 / 2000 / 3000	2000 / 3000 / 4000	2000 / 3000 / 4000	3000	3000/4000	3000/4000	2000/3000	1400
	Head Stock Travel (Y)	mm	1390 / 1780 / 1780	1390 / 1780 / 1780	1390 / 1780 / 1780	2050	2050	2050	2500/3000	2500/3000	2050	1201
	Z Axis Travel	mm	1050 / 1650 / 1650	1050 / 1650 / 1650	1050 / 1650 / 1650	1500	1500	1500	1500/2000	1500/2000	1500	1050
TABLE	Size	mm	R1:1120x1250 R2/R3:1440x1600	FR1:1120x1250 FR2/FR3:1440x1600	HR1:1120x1250 HR2/HR3:1440x1600	1440x1600	1440x1600	1500x2000	2200x2200	1500x2000	1440x1600 2200x2200	1100x1100
	Max. Loading	kg	4000 / 6300 / 6300	4000 / 6300 / 6300	4000 / 6300 / 6300	8000	8000	20000	15000	20000	8000/15000	3000
	Rapid Rotation	rpm	1	1	1	1	1	1	1	1	1	1
SPINDLE	Spindle Stroke (W Axis)	mm	500	500/FR:130	—	500	500/FT:130	—	800	800	500	500
	Spindle Dia.	mm	110	110	100	110	110	100	135	135	100	110
	Taper	ISO	50	50	50	50	50	50	50	50	50	50
	Tool Shank	BT/BBT	50	50	50	50	50	50	50	50	50	50
	Pull Stud		MASII(I*)/ISO/CAT/DIN	MASII(I*)/ISO/CAT/DIN	MASII(I*)/ISO	MASII(I*)/ISO/CAT/DIN	MASII(I*)/ISO/CAT/DIN	MASII(I*)/ISO	MASII(I*)/ISO/CAT/DIN	MASII(I*)/ISO/CAT/DIN	MASII(I*)/ISO/CAT/DIN	MASII(I*)/ISO/CAT/DIN
	Milling Spindle Dia.	mm	225	225	—	225	225	—	250	250	RAM TYPE:250	225
	Spindle Motor (continuous/30 min rated)	kW	22/26	22/26	22/26	22/26	22/26	22/26	30/37	30/37	22/26	22/26
	Spindle Speed Range_Low	rpm	8-454	8-625	17-2000	8-454	8-625	17-2000	10-575	10-575	17-1500	8-454
	Spindle Speed Range_High	rpm	455-2500	626-2500	2001-8000	455-2500	626-2500	2001-8000	576-3000	576-3000	1501-6000	455-2500
AUTOMATIC TOOL CHANGE SYSTEM (ATC)	Tool Storage Capacity		R1:60 R2/R3:60/90	FR1:60 FR2/FR3:60/90	HR1:60 HR2/HR3:60/90	60/90	60/90	60	60/90	60	60/90	60
	Max. Tool Dia. (adjacent)	mm	245[125]	245[125]	245[125]	245[125]	245[125]	125[125]	245[125]	245[125]	250[125]	245[125]
	Max. Tool Length	mm	400	400	400	400	400	400	400	400	400	400
	Max. Tool Weight	kg	25	25	25	25	25	25	25	25	25	25
	Tool to Tool Exchange Time	sec	13	13	13	13	13	13	11	11	13	13
SERVO MOTOR	X Axis	kW	6	6	6	7	7	6	9	6	7/9	6
	Y Axis	kW	7	7	7	7	7	7	9	9	7	7
	Z Axis	kW	6	6	6	6	6	6	9	9	6	6
	W Axis	kW	4	4	—	4	4	—	7	7	4	4
	B Axis	kW	4	4	4	4	4	7	7	7	4/7	4
	U Axis	kW	—	1.6	—	—	1.6	—	—	1.6	—	—
CONTROL AXIS	Control Axis		5	6	4	5	6	4	5	6	5	5
	Simultaneous Controlled Axis		4	4	4	4	4	4	4	4	4	4
RAPID TRAVERSE	X / Y / Z Axis	m/min	10	10	10	10/12/12	10/12/10	12	10/8/10	10/8/10	10/10/12	10
	W Axis	m/min	4	4	—	4	4	—	4	4	4	4
FEED RATE	Feed Rate of Every Axis	mm/min	0~4000	0~4000	0~4000	0~4000	0~4000	0~4000	0~3000	0~3000	0~4000	0~4000
MACHINE WEIGHT	Net Weight	kg	16000 / 19000 / 21000	18000 / 21000 / 23000	16000 / 19000 / 21000	24000 / 25000 / 26000	26000 / 27000 / 28000	24300	34000~43000	33000	25000 / 32000	20000
MACHINE DIMENSION	Height	mm	R1:3370 R2/R3:3800	FR1:3370 FR2/FR3:3800	HR1:3370 HR2/HR3:3800	4100	4100	4100	5100/5600	5100	4370	3370
	Floor Space	mm	R1:6600x5700 R2:7700x6200 R3:7700x7600	FR1:6600x5700 FR2:7700x6200 FR3:7700x7600	HR1:6600x5700 HR2:7700x6200 HR3:7700x7600	T2:7100x7060 T3:7100x7800 T4:7100x9100	FT2:7250x7250 FT3:7250x7800 FT4:7250x9100	8100x6500	7200x7500 8200x8000	8100x7500	7250x7060/7700x8100	9500x5850
LINEAR SCALE			X/Y/Z	X/Y/Z	X/Y/Z	X/Y/Z	X/Y/Z	X/Y/Z	X/Y/Z	X/Y/Z	X/Y/Z	X/Y/Z
POWER CAPACITY		kVA	76	77	67	77	78	70	102	98	80	76
CONTROL SYSTEM			FANUC (QIMF) *OPT:SIEMENS, HEIDENHAIN					FANUC (QIMF) *OPT:SIEMENS, HEIDENHAIN				

* Design and specifications are subject to change without prior notice.