

Quality & Productivity Specialist

EXCELLENT MACHINING

This CNC horizontal boring and milling machine provides multiple face machining in only one set-up. Highly accurate indexing of the rotary table guarantee mutual accuracy between the faces. Designed for boring, drilling and tapping operations saving time in setting-up the workpiece and machining.

Quality & Productivity Specialist
FEMCO
SINCE 1949



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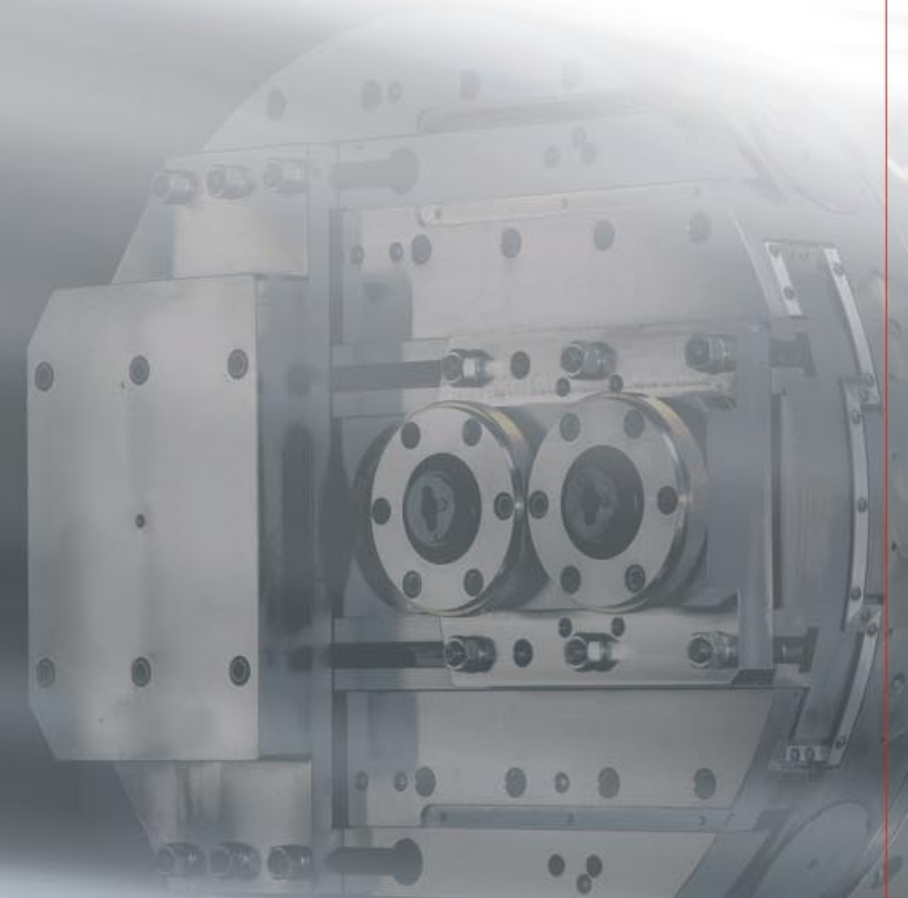
FEMCO®

Quality & Productivity Specialist



CNC HORIZONTAL BORING & MILLING MACHINE

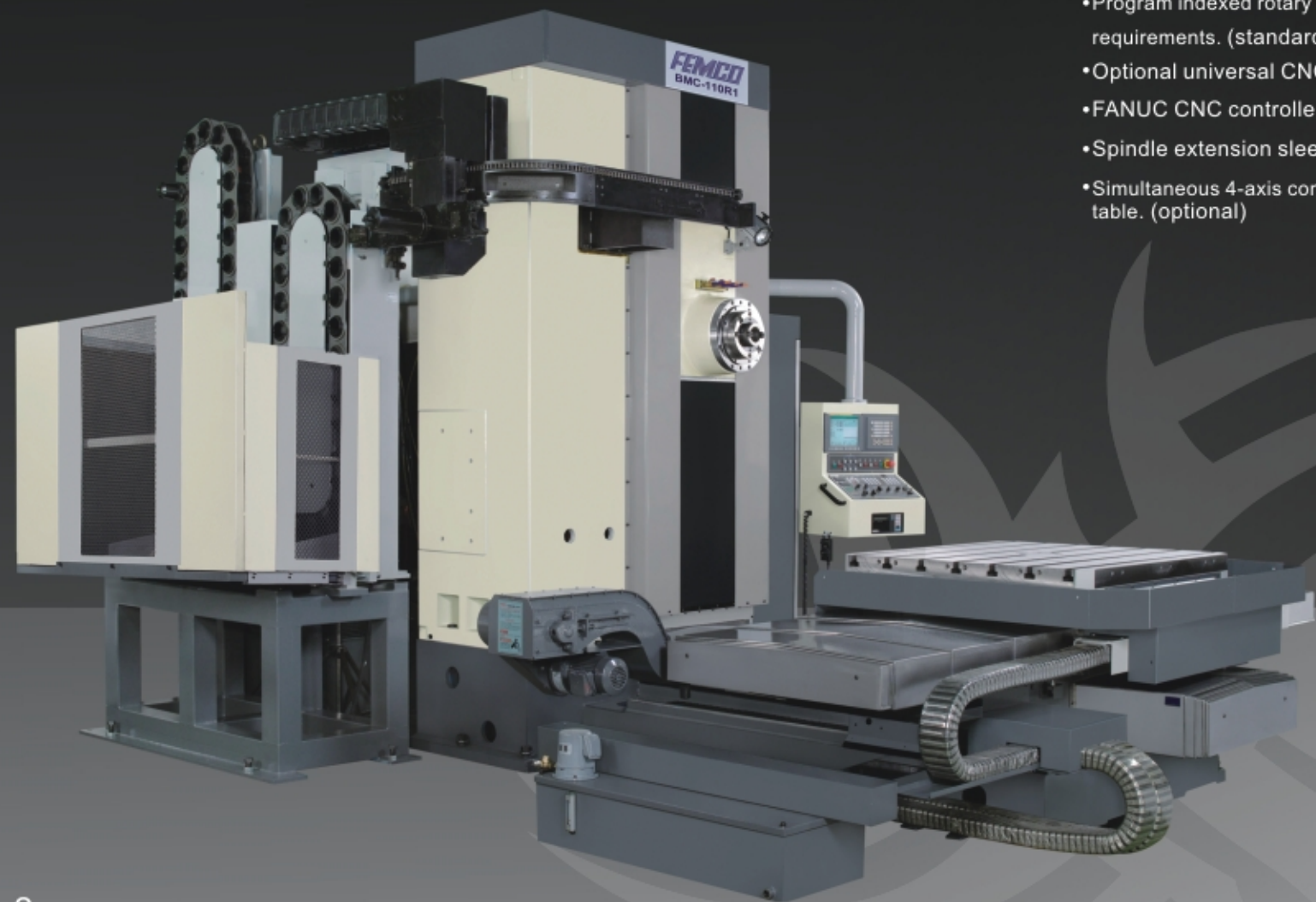
www.femco.com.tw



BMC 110R1/R2/R3

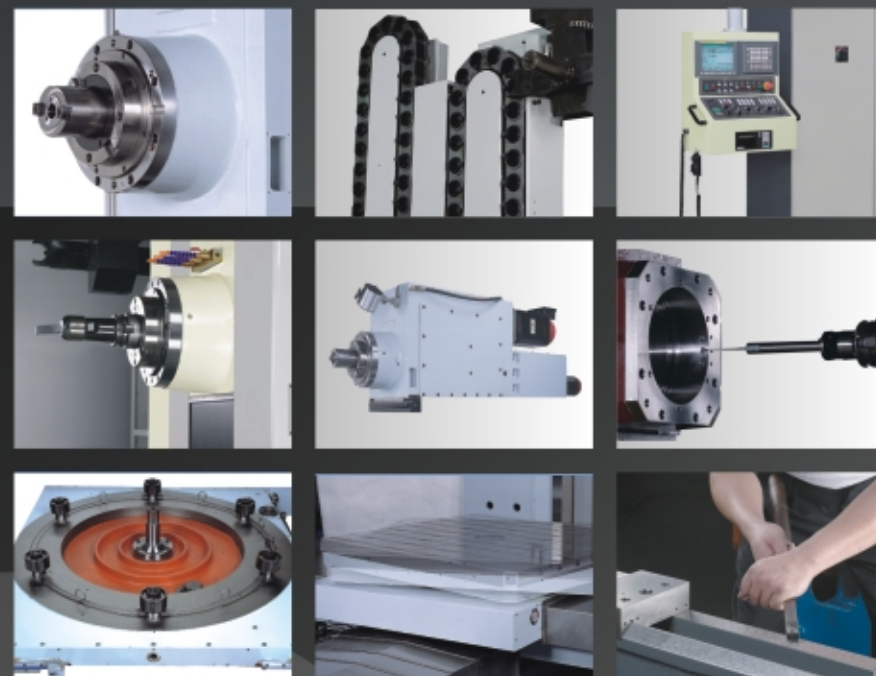
HIGH PRECISION

HIGH EFFICIENCY



BMC R-TYPE Special features

- Meehanite castings for all major parts.
- Simultaneous 3-axis control for X, Y, Z axis. (standard)
- Optional automatic tool changer for converting to machining center.
- Linear scales on X, Y, Z axis.
- Powerful hydraulic system clamps rotary table securely.
- Program indexed rotary table positions at every 90° for various machining requirements. (standard)
- Optional universal CNC indexing table.
- FANUC CNC controller.
- Spindle extension sleeve (optional) allows deep hole machining.
- Simultaneous 4-axis control when equipped with universal CNC indexing table. (optional)



SPINDLE WITH EXTENSION

Spindle shaft are precision manufactured from aluminum chromium molybdenum alloy steel, nitrification heat treated (Hardness up to HS 100± 10), ensuring maximum wear resistance. The spindle extends up to 500mm, allows for deep hole machining with maximum stability.

MAXIMUM TOOL LOAD

We have designed the maximum tool load to be able deep hole boring and milling .

INDEXING DEVICE

The indexing of rotary table every 90° can be carried out automatically with ease. Employing the most accurate locate pin method for positioning.

AUTO TOOL CHANGER

Pneumatic pressure is used to activate hydraulic tool clamping and unclamping. Tools are easy to fit by matching the pull stud (MAS I or MASII) with BT50 or CAT-50 tool shanks.

SPINDLE MOTOR

Spindle is driven by an AC motor, which is directly mounted on the headstock to eliminate complicated and vulnerable transmission. This upgrades machining accuracy without loss of power transmission.

ROTARY TABLE

The rotary table is clamped securely by a hydraulic system, ensuring superior accuracy and stability in heavy duty machining. It is program indexed to every 90° for various machining operations. (option at B axis)Double worm gear with a servo controller rotary table with positioning at any angle is available.

CONTROL SYSTEM

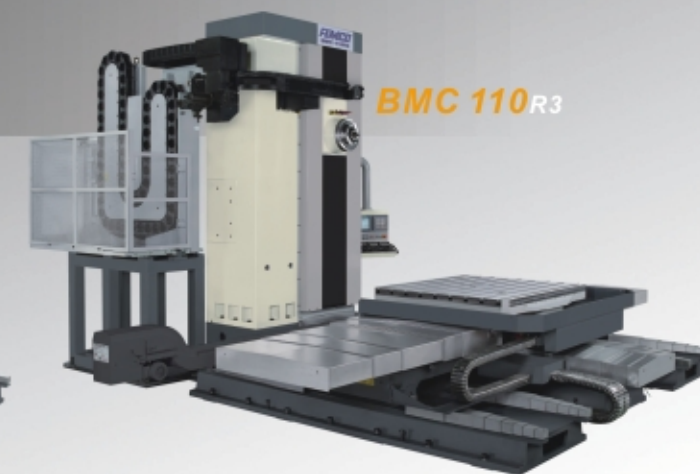
This control system platform offering Fanuc, Siemens, Heidenhain for maximum productivity and availability.

HIGHLY PRECISE TOUCH PROBE

New highly precise and ultra-fast workpiece touch probe series for process control and measurement.

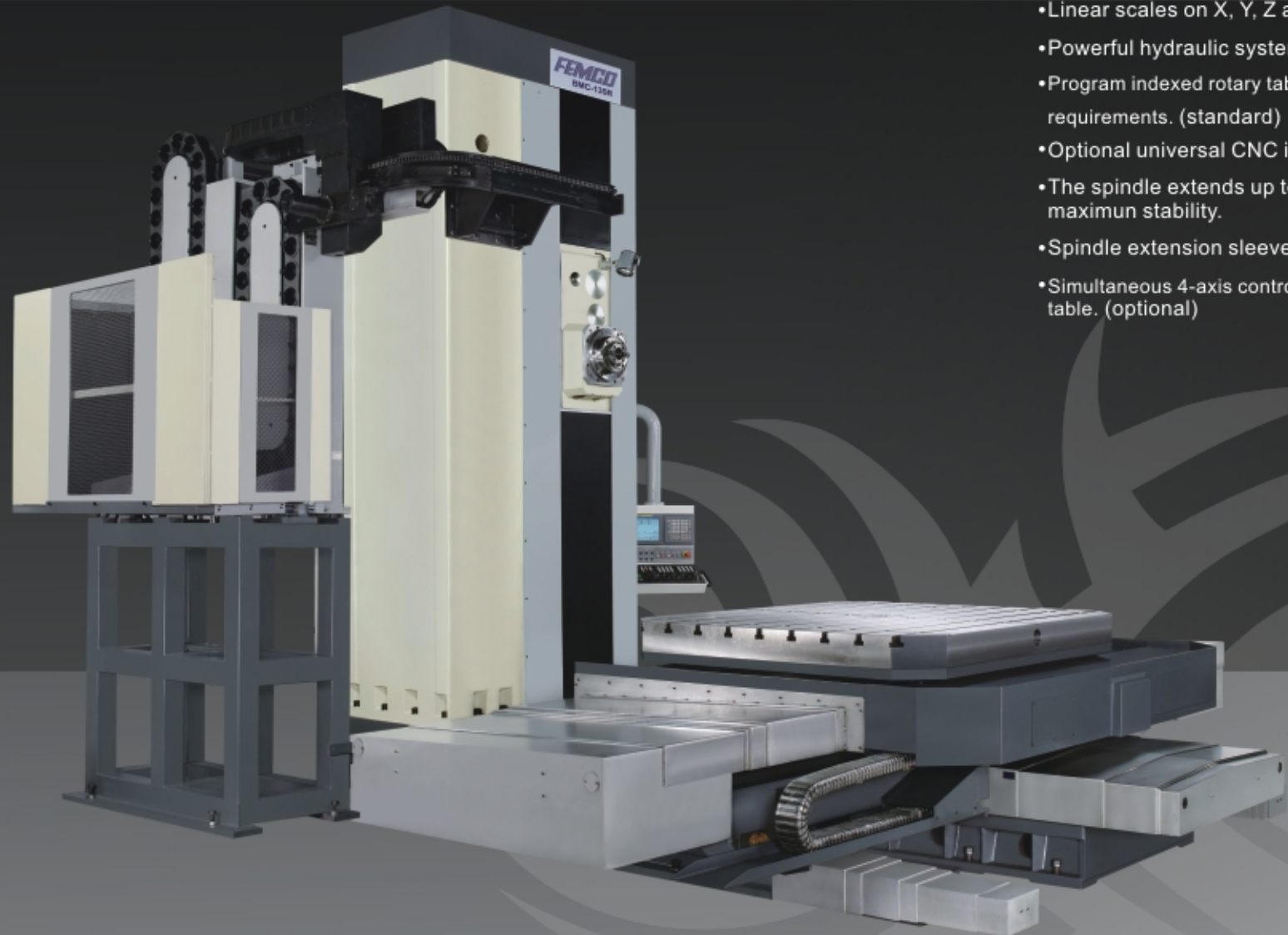
SCRAPING WORKS

Scraping is the fundamental of machine accuracy. Our experienced and specialized scraping assembly works provide the best and accurate sliding surfaces.



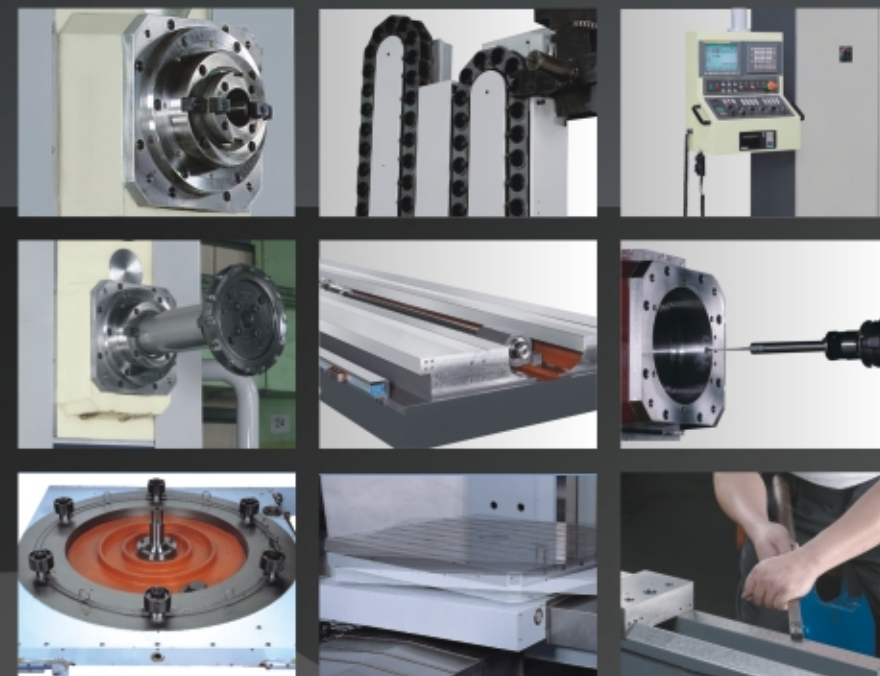
BMC-135R

THE ULTIMATE BORING AND MILLING PERFORMANCE



BMC 135R Special features

- Meehanite castings for all major parts.
- Simultaneous 3-axis control for X, Y, Z axis. (standard)
- Optional automatic tool changer for converting to machining center.
- Linear scales on X, Y, Z axis.
- Powerful hydraulic system clamps rotary table securely.
- Program indexed rotary table positions at every 90° for various machining requirements. (standard)
- Optional universal CNC indexing table.
- The spindle extends up to 900mm allows for deep hole machining with maximum stability.
- Spindle extension sleeve (optional) allows deep hole machining.
- Simultaneous 4-axis control when equipped with universal CNC indexing table. (optional)



SPINDLE WITH EXTENSION

Spindle shaft are precision manufactured from aluminum chromium molybdenum alloy steel, nitridation heat treated (Hardness up to HS 100± 10), ensuring maximum wear resistance. The spindle extends up to 900mm, allows for deep hole machining with maximum stability.

MAXIMUM TOOL LOAD

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AUTO TOOL CHANGER

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LINEAR SCALES

The X, Y and Z axes are equipped with linear scales, forming a closed feedback system. The CNC control is capable of controlling three of the four axes(X,Y,Z,W) simultaneously. Both of these aspects effectively shorten the non-cutting time.

ROTARY TABLE

The rotary table is clamped securely by a hydraulic system, ensuring superior accuracy and stability in heavy duty machining. It is program indexed to every 90° for various machining operations. (option at B axis)Double worm gear with a servo controller rotary table with positioning at any angle is available.

CONTROL SYSTEM

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HIGHLY PRECISE TOUCH PROBE

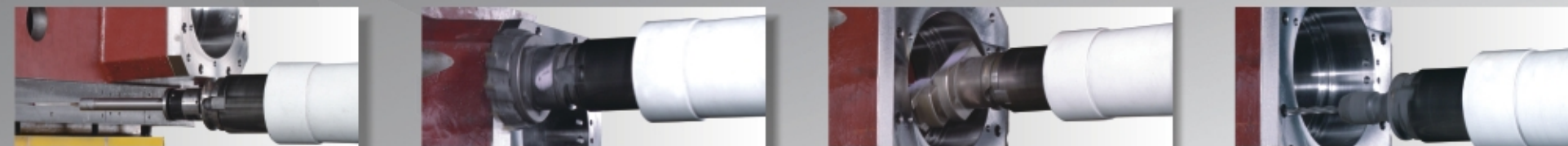
New highly precise and ultra-fast workpiece touch probe series for process control and measurement.

SCRAPING WORKS

Scraping is the fundamental of machine accuracy. Our experienced and specialized scraping assembly works provide the best and accurate sliding surfaces.

EXCELLENT MACHINING

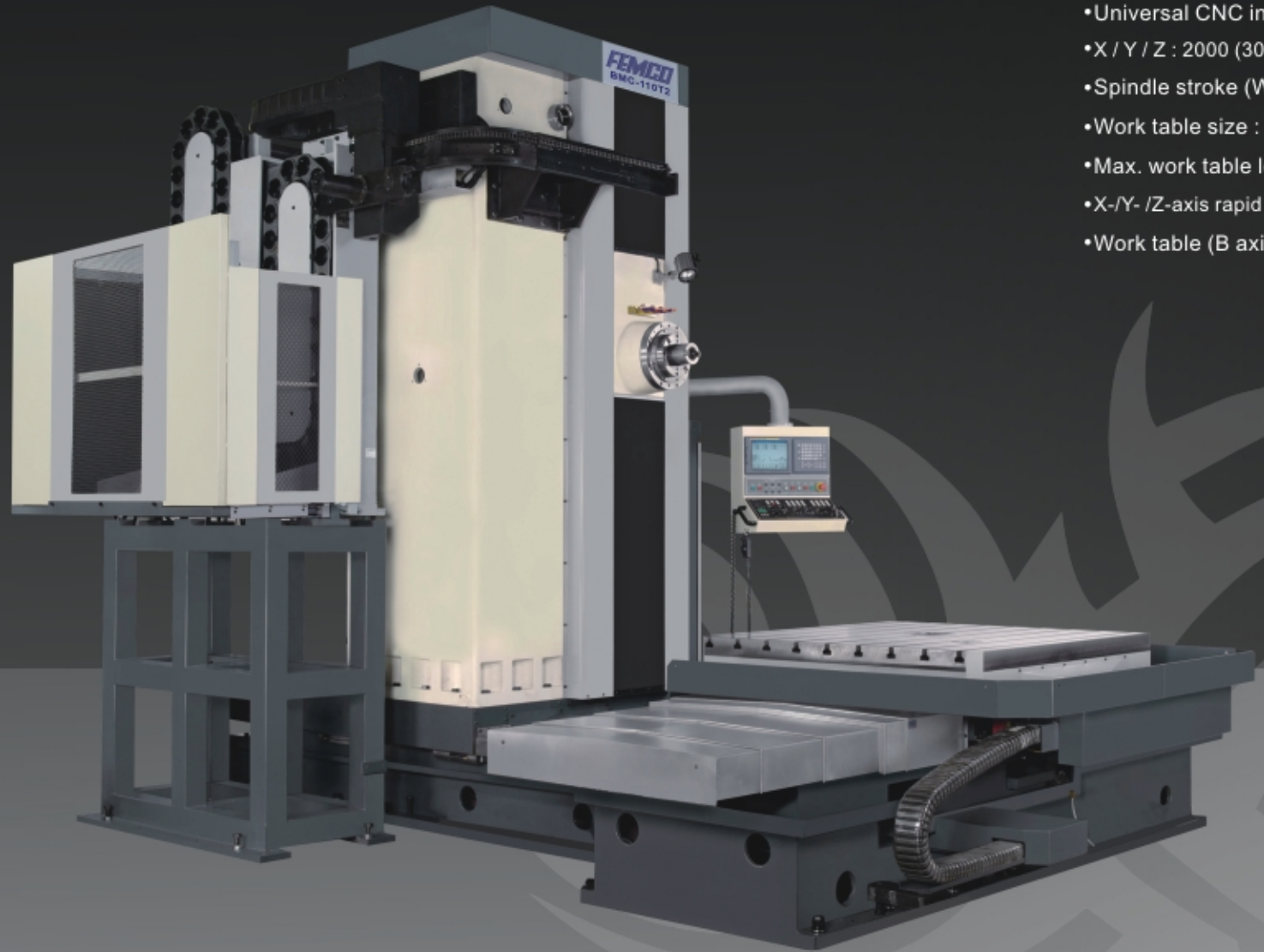
This CNC horizontal boring and milling machine provides multiple face machining in only one set-up. High accurate indexing of rotary table guarantees mutual accuracy between faces. Designed for boring, drilling and tapping operations, saving time for setting-up the workpiece and machining.



THE EXTREMELY RIGID STRUCTURE AND ZF GEAR BOX DESIGN ALLOW MILLING AND BORING OF ONE CLASS HIGHER

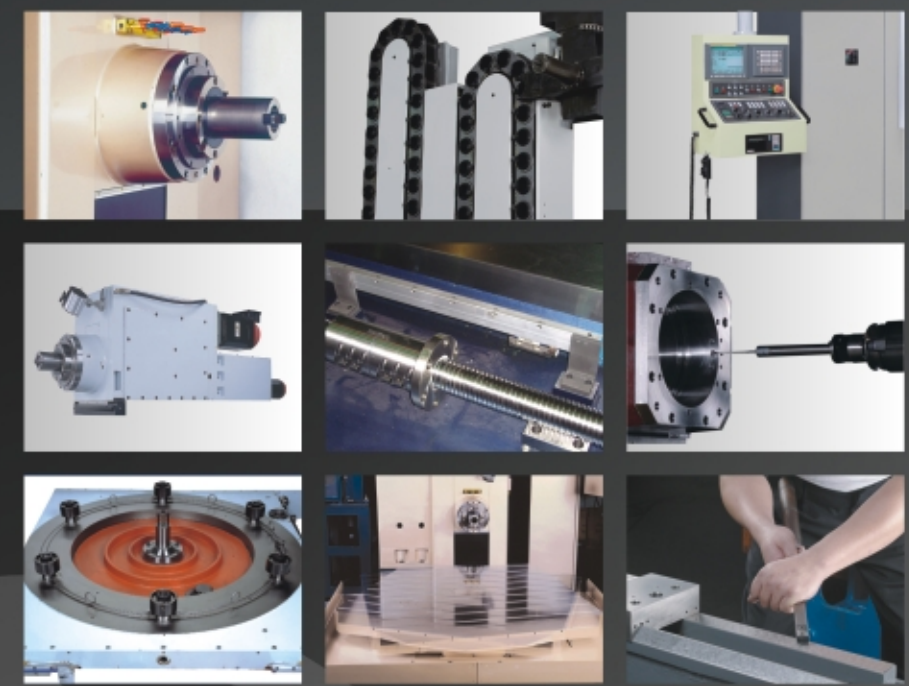
BMC-110 T2/T3/T4/P

CNC T TYPE COLUMN-MOVING HORIZONTAL BORING & MILLING MACHINE



T-TYPE Column-Moving Special features

- Column-moving design, work table installs on the base of X axis, higher rigidity and larger work table loading capacity.
- With linear scale on X, Y, Z axis, forming a closed feedback system.
- 5-axis control (X, Y, Z, W, B), simultaneous 4-axis control(option)
- Universal CNC indexing table (B axis function).
- X / Y / Z : 2000 (3000 / 4000) / 2100 / 1500 mm.
- Spindle stroke (W axis traverse) : 500 mm.
- Work table size : 1440 X 1600 mm(BMC-110P / 1440 X 2300 mm).
- Max. work table load : 8000~15000 kg.
- X-/Y- /Z-axis rapid traverse : 12 m / min.
- Work table (B axis) rotates : 1 rpm.



SPINDLE WITH EXTENSION

The spindle shaft are precision manufactured from aluminum chromium molybdenum alloy steel, nitrification heat treated (hardness up to HS 100± 10), ensuring maximum rigidity for machining and maximum wear resistance. The diameter of pushing bearing of the W axis is 90mm, using P4 precision bearing.

SPINDLE MOTOR

Spindle is driven by an AC motor, which is directly mounted on the headstock to eliminate complicated and vulnerable transmission. This upgrades machining accuracy without loss of power transmission.

INDEXING DEVICE

The indexing of rotary table every 90° can be carried out automatically with ease. Employing the most accurate locate pin method for positioning.

AUTO TOOL CHANGER

Pneumatic pressure is used to activate hydraulic tool clamping and unclamping. Tools are easy to fit by matching the pull stud (MAS I or MASII) with BT50 or CAT-50 tool shanks.

LINEAR SCALES

The X, Y and Z axis are equipped with linear scales, forming a closed feedback system. The CNC control is capable of controlling three of the four axes(X,Y,Z,W) simultaneously. And by using absolute coordinate systems, there is no need to return to the reference point. Both of these aspects effectively shorten the non-cutting time.

ROTARY TABLE

The rotary table is clamped securely by a hydraulic system, ensuring superior accuracy and stability in heavy duty machining. It is program indexed to every 90° for various machining operations. (option at B axis)Double worm gear with a servo controller rotary table with positioning at any angle is available.

CONTROL SYSTEM

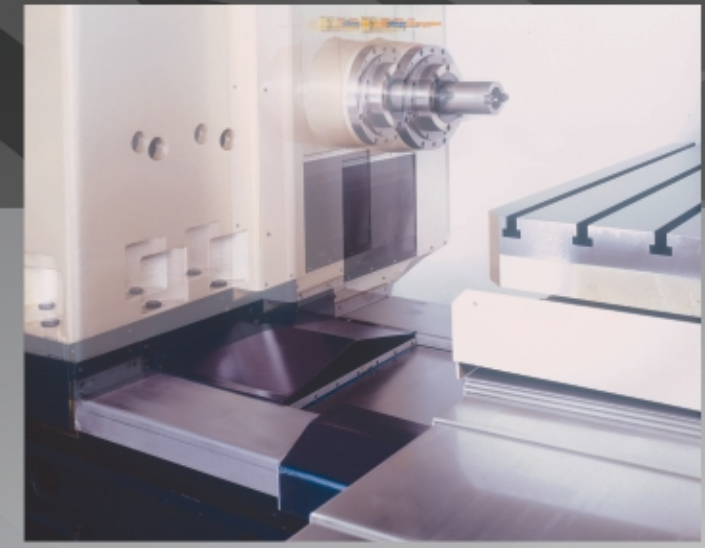
This control system platform offering Fanuc, Siemens, Heidenhain for maximum productivity and availability.

HIGHLY PRECISE TOUCH PROBE

New highly precise and ultra-fast workpiece touch probe series for process control and measurement.

SCRAPING WORKS

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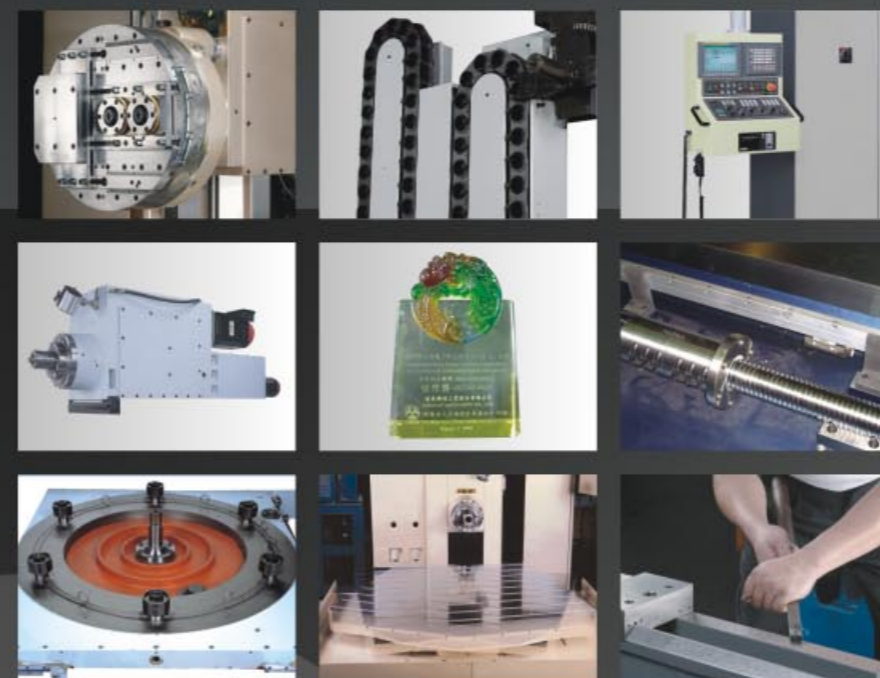
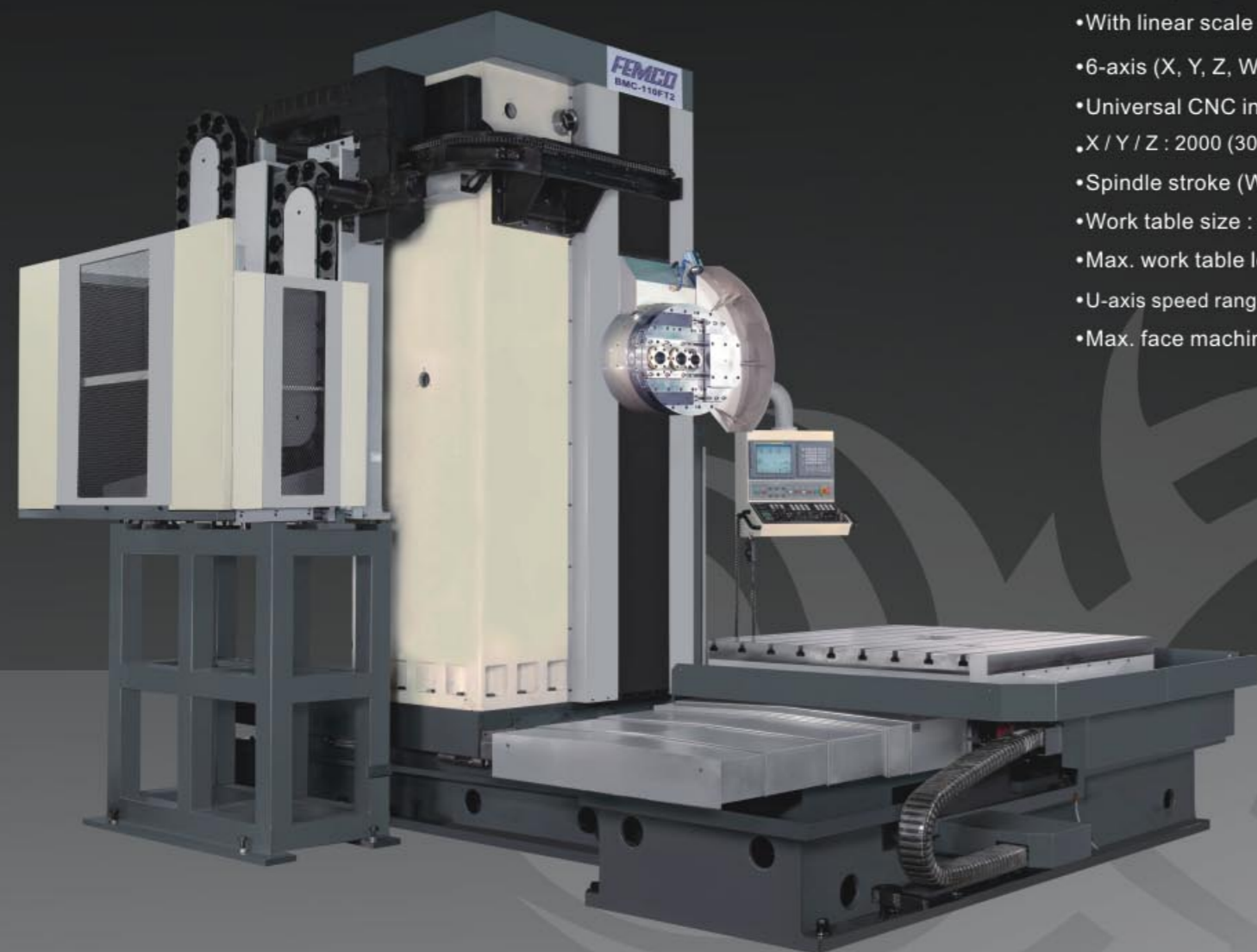
COLUMN-MOVING DESIGN , WORK TABLE INSTALLS ON THE BASE OF X AXIS , HIGHER RIGIDITY AND LARGER WORK TABLE LOADING CAPACITY.

BMC-110 FT2 / FT3 / FT4

CNC T TYPE COLUMN-MOVING WITH NC FACING HEAD (U-AXIS)

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 .
- Column-moving design, work table installs on the base of X axis, higher rigidity and larger work table loading capacity.
- With linear scale on X, Y, Z axes, forming a closed feedback system.
- 6-axis (X, Y, Z, W, B, U) control and simultaneous 4-axis control.
- Universal CNC indexing table (B-axis function).
• X / Y / Z : 2000 (3000 / 4000) / 2100 / 1500 mm.
- Spindle stroke (W-axis traverse) : 500 mm.
- Work table size : 1440 X 1600 mm.
- Max. work table load : 8000 kg.
- U-axis speed range 250 rpm.
- Max. face machining dia 1050 mm.



FACING HEAD- U-AXIES

BMC-110 FT series offers you a complete range of automation technology. (Facing head- U-axes)

AUTO TOOL CHANGER

Pneumatic pressure is used to activate hydraulic tool clamping and unclamping. Tools are easy to fit by matching the pull stud (MAS I or MASII) with BT50 or CAT-50 tool shanks.

CONTROL SYSTEM

This control system platform offering Fanuc, Siemens, Heidenhain for maximum productivity and availability.

SPINDLE MOTOR

Spindle is driven by an AC motor, which is directly mounted on the headstock to eliminate complicated and vulnerable transmission. This upgrades machining accuracy without loss of power transmission.

SECOND PRIZE

Taiwan Machine Tools Show (TIMTOS 2007) Winning Award.

LINEAR SCALES

The X, Y and Z axis are equipped with linear scales, forming a closed feedback system. The CNC control is capable of controlling four of six axes(X,Y,Z,W,B,U) simultaneously. And by using absolute coordinate systems, there is no need to return to the reference point. Both of these aspects effectively shorten the non-cutting time.

INDEXING DEVICE

The indexing of rotary table every 90° can be carried out automatically with ease. Employing the most accurate locate pin method for positioning.

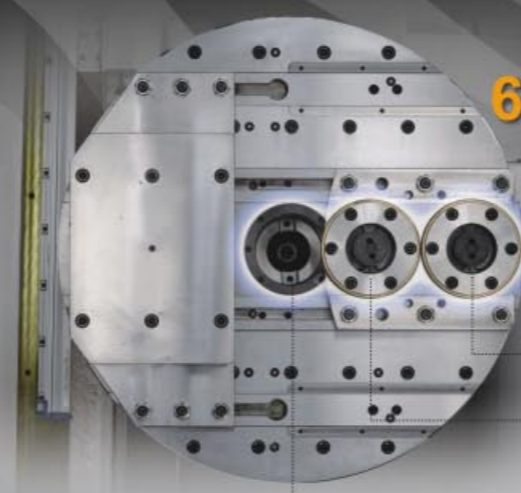
ROTARY TABLE

The rotary table is clamped securely by a hydraulic system, ensuring superior accuracy and stability in heavy duty machining. It is program indexed to every 90° for various machining operations. (option at B axis)Double worm gear with a servo controller rotary table with positioning at any angle is available.

SCRAPING WORKS

Scraping is the fundamental of machine accuracy. Our experienced and specialized scraping assembly works provide the best and accurate sliding surfaces.

6 AXIS (X · Y · Z · W · B · U) ARE ALL NC PROGRAMMABLE, SATISFIES MULTIPLE AXIS MACHINING REQUIREMENTS.



HSK-100
standard

option

standard

- O.D. cutting (Taper · sphere · outline)
- End cutting (chamfering · groove)
- I.D. cutting (Taper · sphere · shape)
- Grooving
- Thread cutting

BT-50

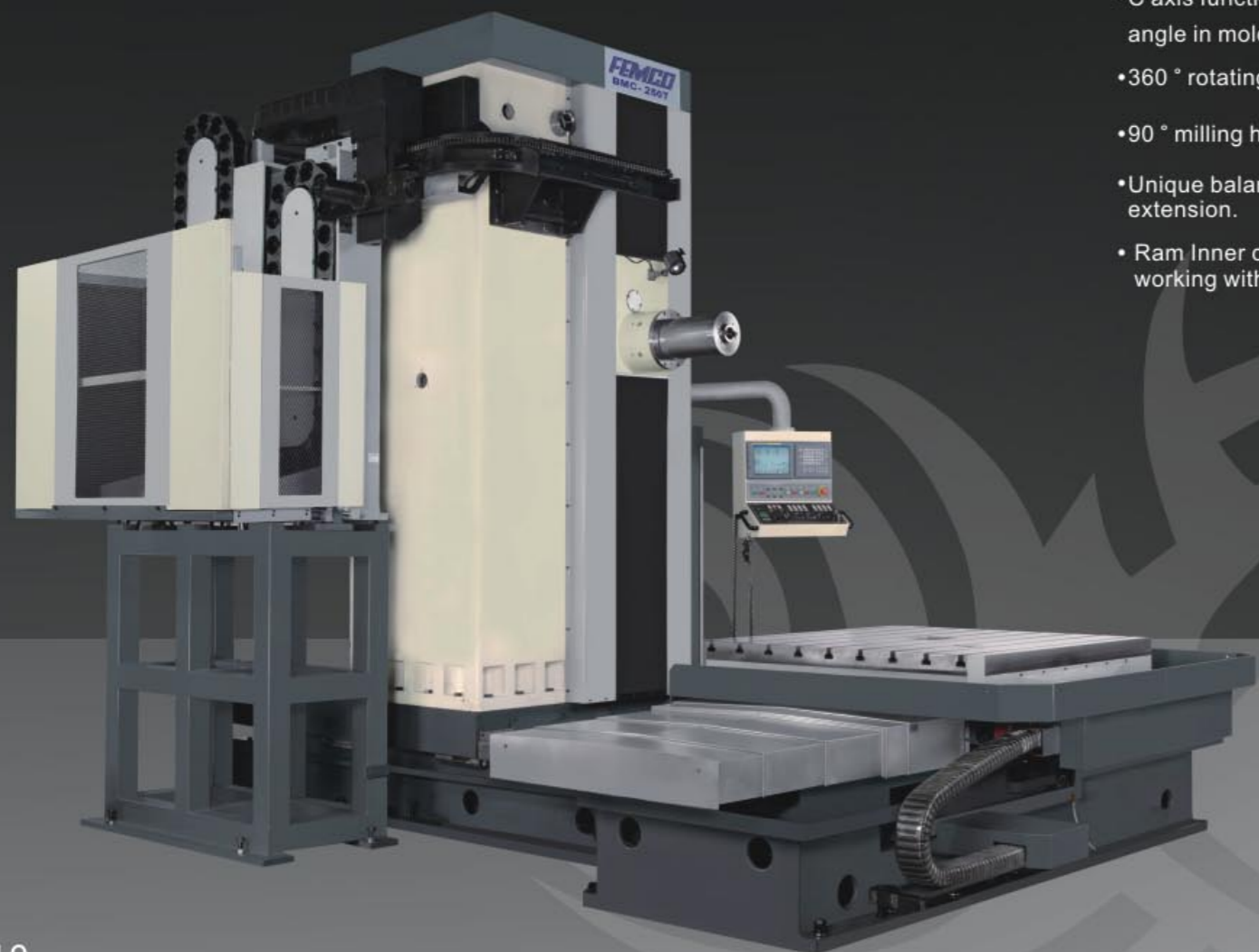
- Surface milling
- Boring
- Drilling
- Tapping
- End milling
- Groove milling

BMC-250T

HIGH SPEED SPINDLE BORING MACHINE FOR DIE AND MOLD MANUFACTURERS

T-TYPE Column-Moving BMC Special features

- Spindle with ZF transmission is capable of both high speed mold processing and low speed with high torque.
- Ram dia. 250mm is the smallest size and least interference among same level head changing machine.
- Automatic Head Changer. Milling head clamped by inner power up structure without motor.
- C axis function with 30 ° milling head can adjust the best angle in mold working.(option)
- 360 ° rotating in C axis function, processing is more flexible.(option)
- 90 ° milling head capable of five sides machining.(option)
- Unique balancing design, the headstock maintain the level with Ram extension.
- Ram Inner clamp in the front of headstroke increase the rigidity when working with ram extension.



SPINDLE HEAD COVER

Cover exchange between Ram and spindle which make sure the junction completely clean.

INNER CLAMPING STRUCTURE

Ram Inner clamp in the front of headstroke increase the rigidity when working with ram extension.

CONTROL SYSTEM

This control system platform offering Fanuc, Siemens, Heidenhain for maximum productivity and availability.

HYDROSTATIC BEARINGS

W axis Hydrostatic Bearings in Ram can smoothly glide and no abrasion.

EXTREMELY RIGID SPINDLE RAM

Ram dia. 250mm is the smallest size and least interference among same level head changing machine.
W-axis extends to 700 mm.
360° rotating in C-axis (option)

AUTOMATIC HEAD CHANGER

Milling head clamped by inner powerup structure without motor.

UNIQUE CLAMPING DESIGN

The rotary table is clamped securely by a hydraulic system, ensuring superior accuracy and stability in heavy duty machining. It is program indexed to every 90° for various machining operations.
(option at B axis) Double worm gear with a servo controller rotary table with positioning at any angle is available.

AUTOMATIC HEAD CHANGER

C axis function with 30°/ 90° milling head can adjust the best angle in mold working.
30°/ 90° milling head (option)

LINEAR SCALES

The X, Y and Z axis are equipped with linear scales, forming a closed feedback system. The CNC control is capable of controlling four of six axes(X,Y,Z,W,B,C) simultaneously. And by using absolute coordinate systems, there is no need to return to the reference point. Both of these aspects effectively shorten the non-cutting time.

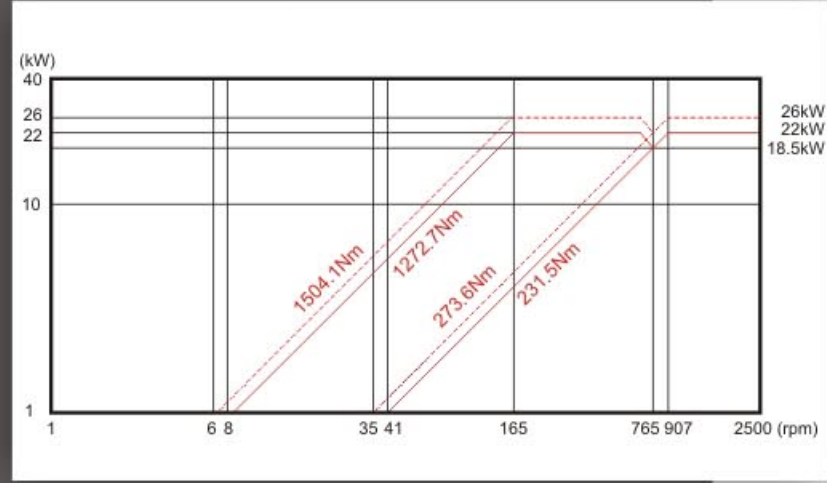
The BMC-250T series is equipped with 8000rpm spindle to support high quality die and mold machining

Spindle with ZF transmission is capable of both high speed mold processing and low speed with high torque.

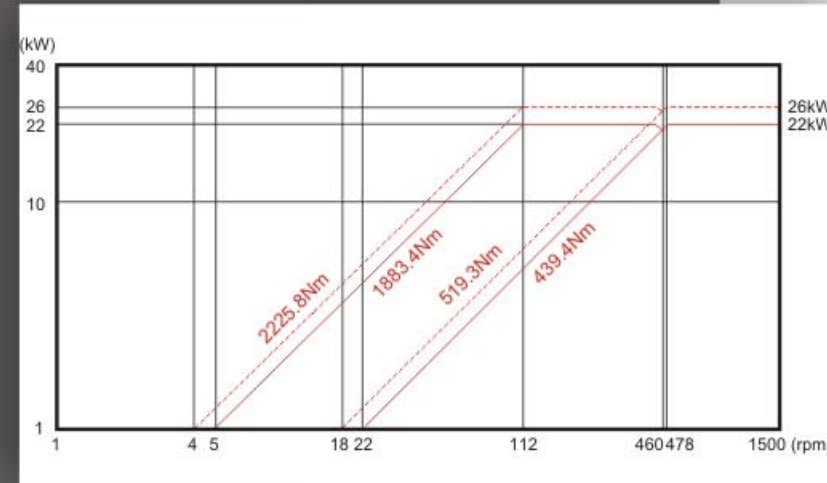


MAIN - TORQUE CHART

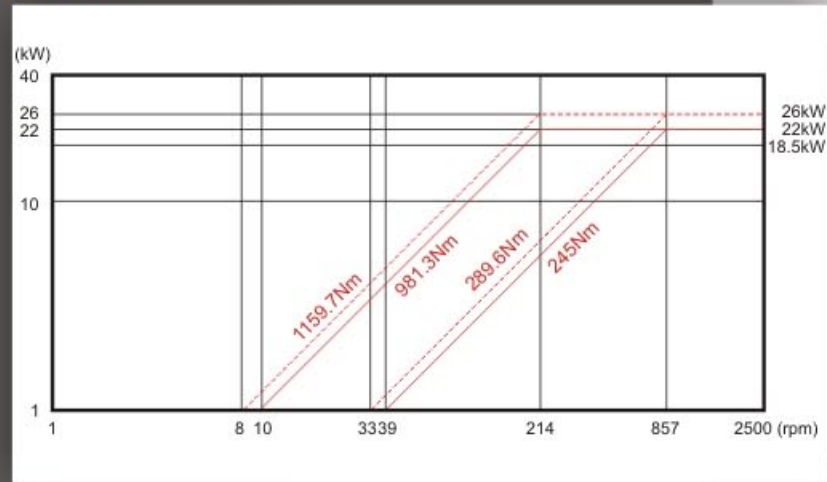
BMC-110R1/R2/R3/T2/T3/T4/P



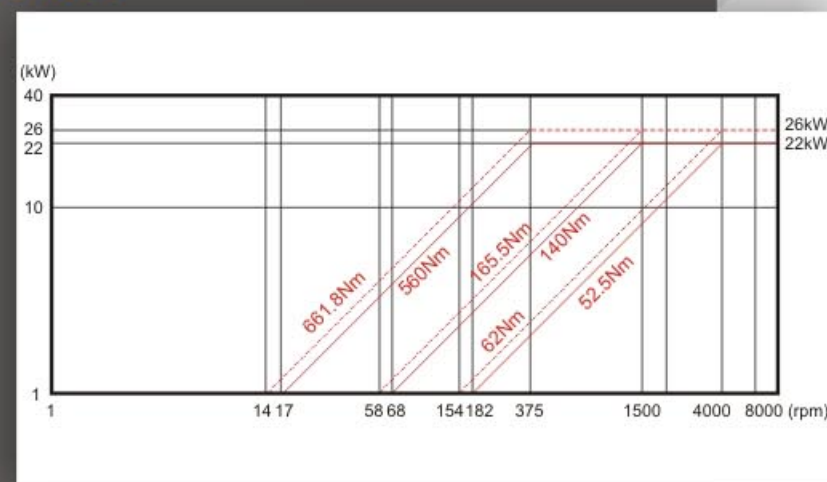
BMC-135R



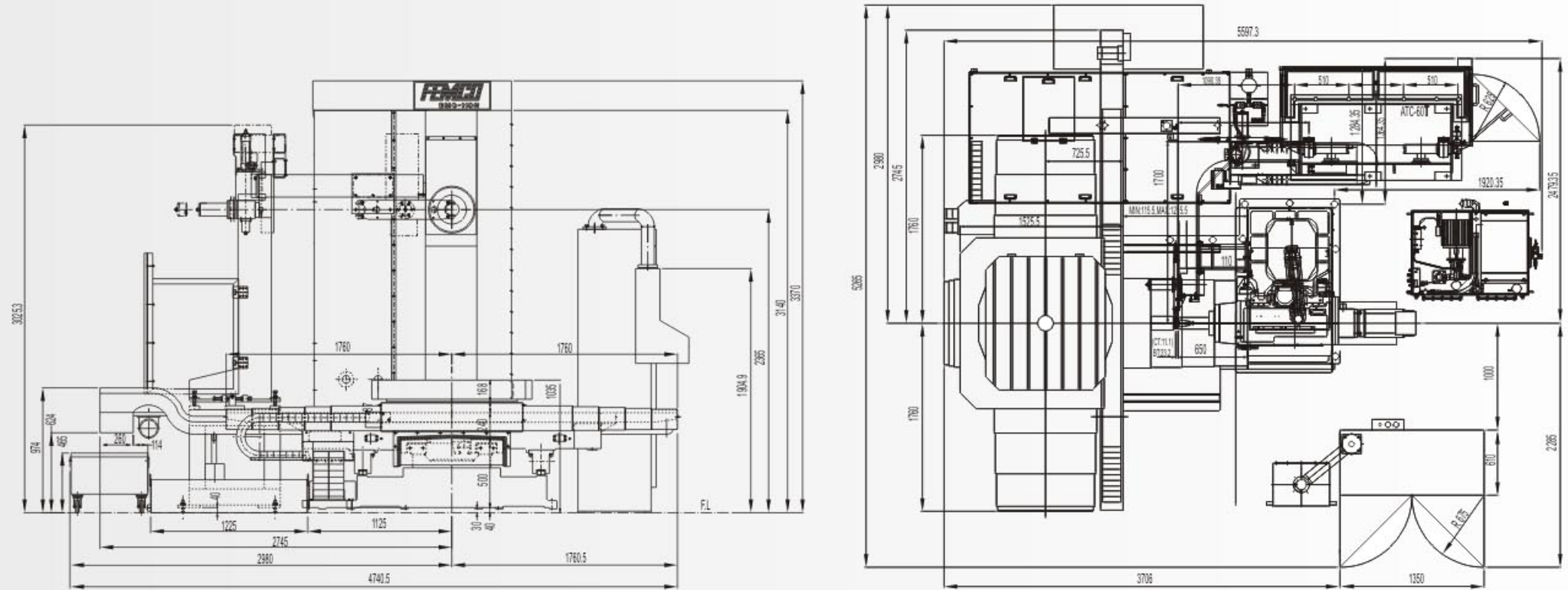
BMC-110FT2/FT3/FT4



BMC-250T

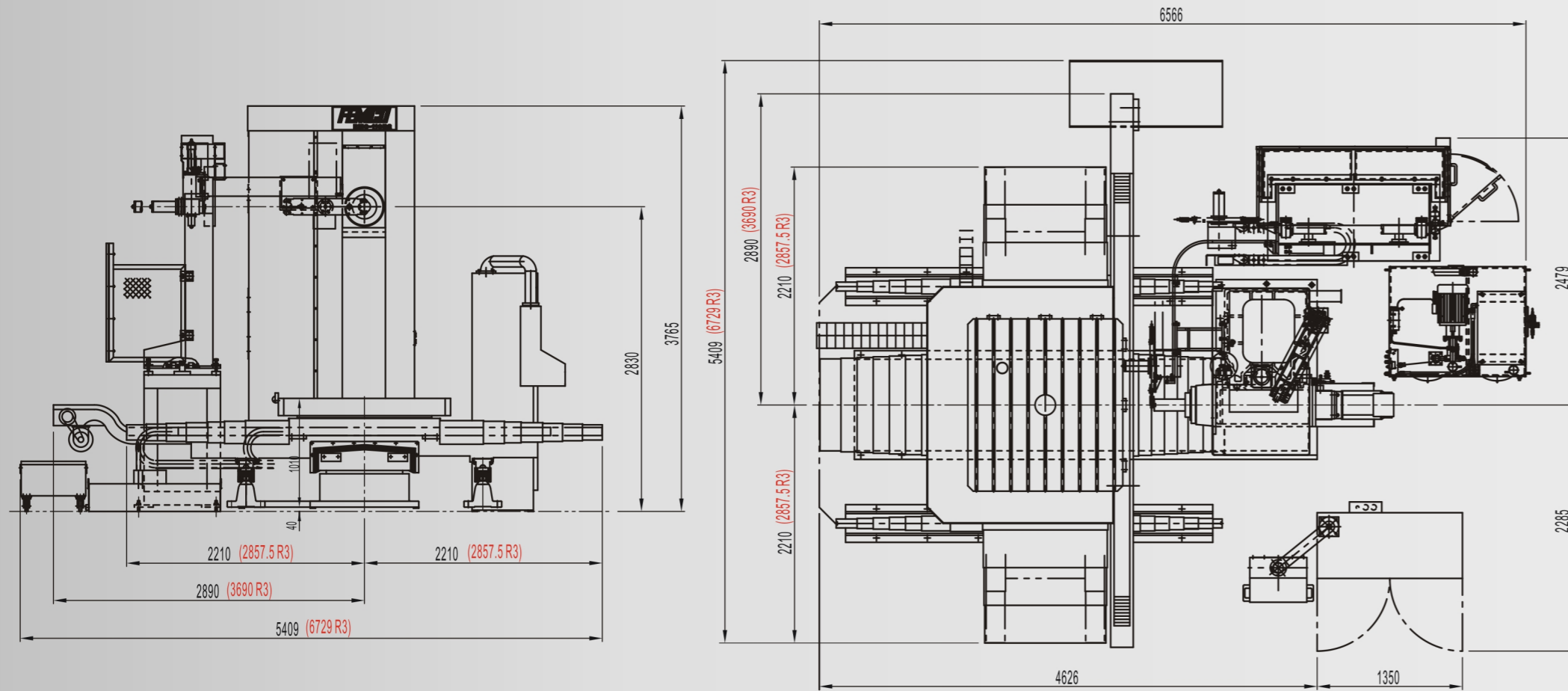


DIMENSION & MACHINING FIELD

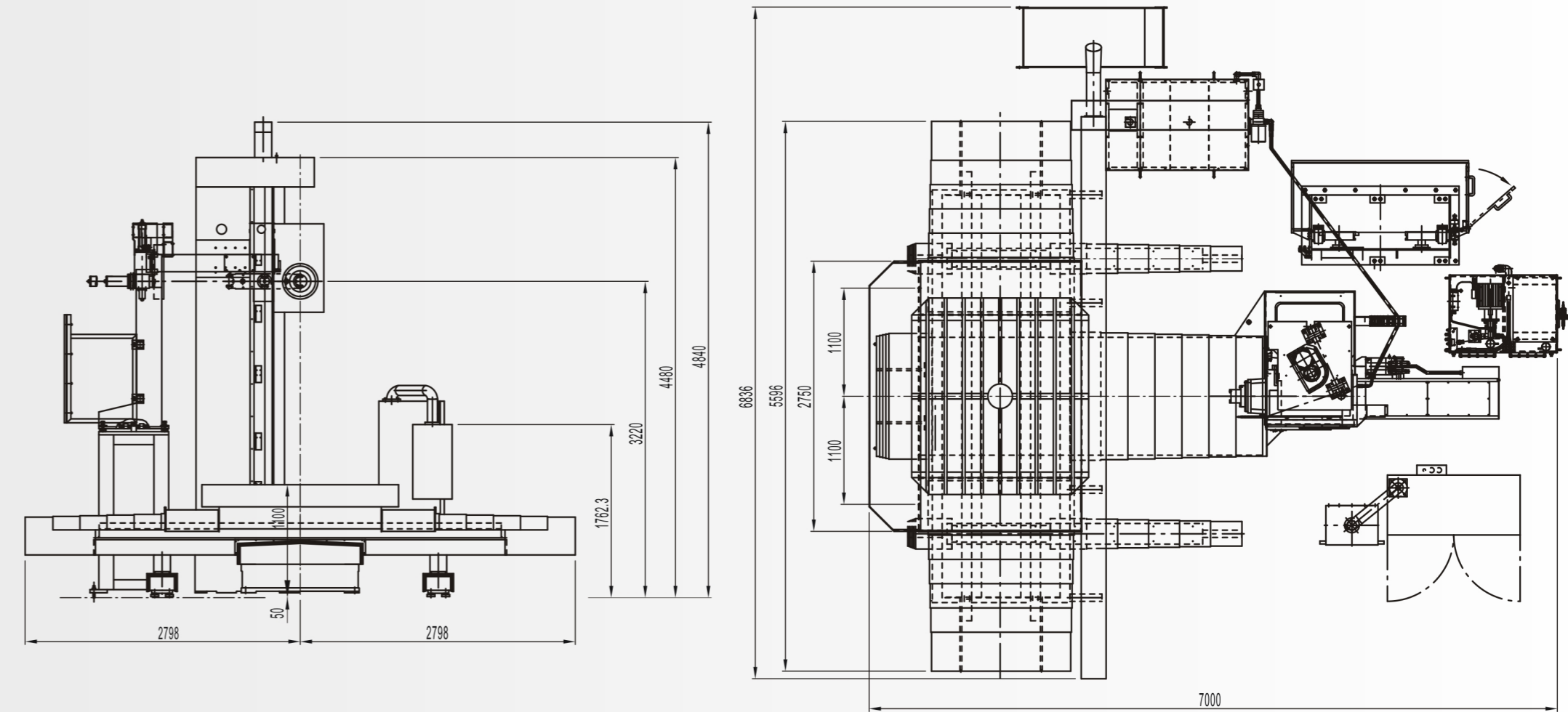


BMC-110R1

DIMENSION & MACHINING FIELD

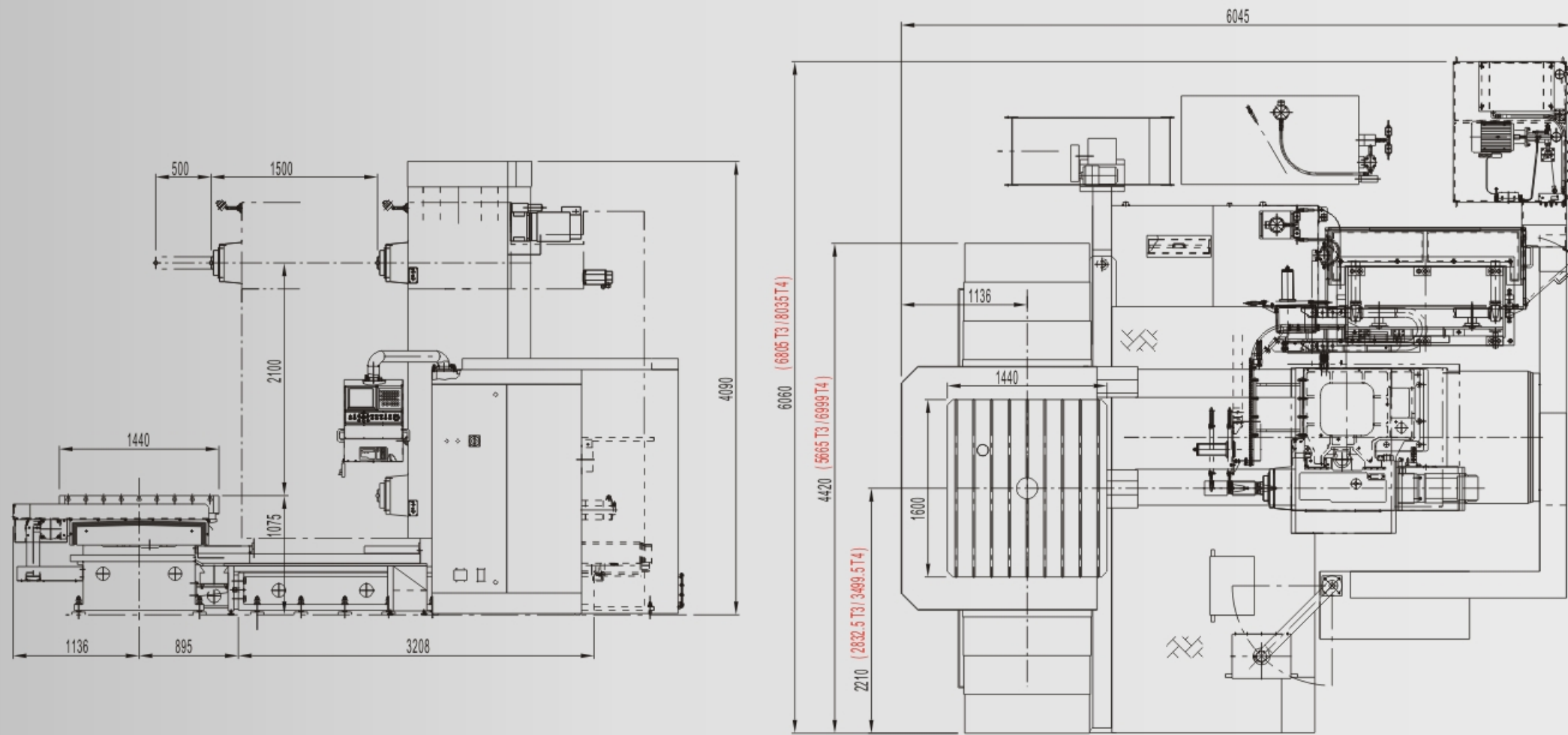


BMC-110R2 / R3

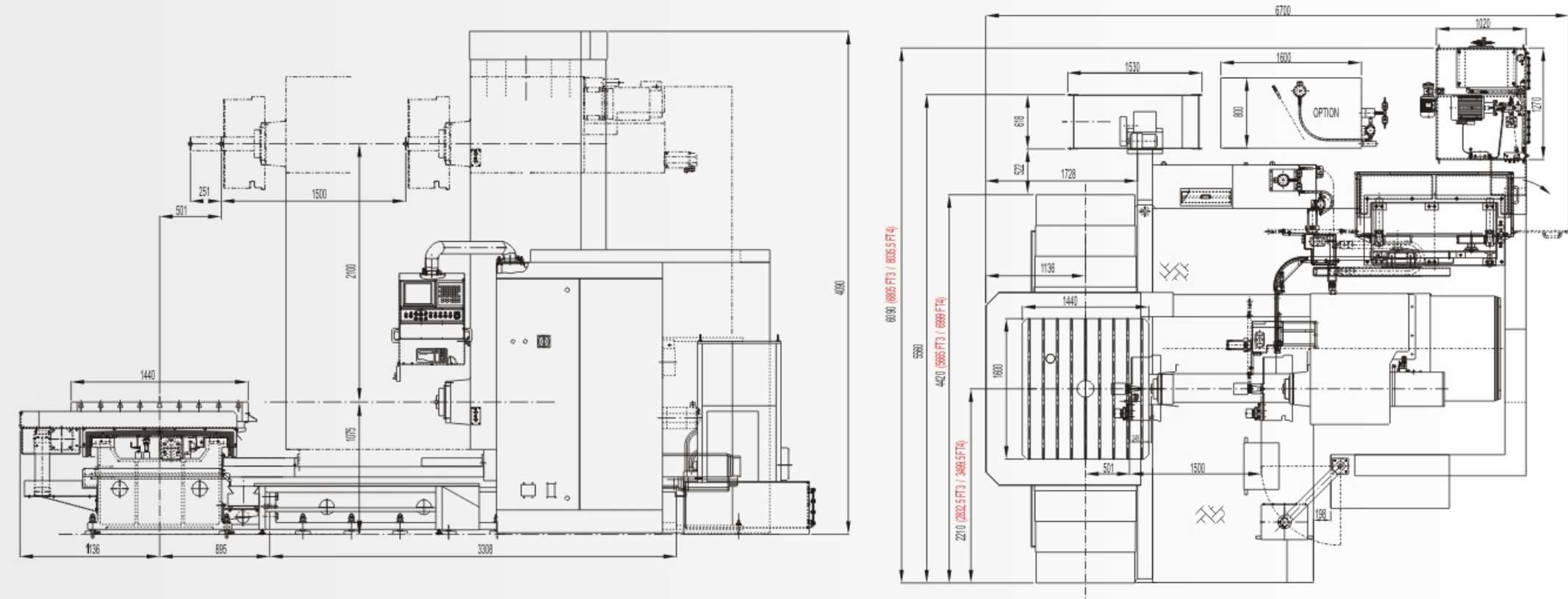


BMC-135R

DIMENSION & MACHINING FIELD

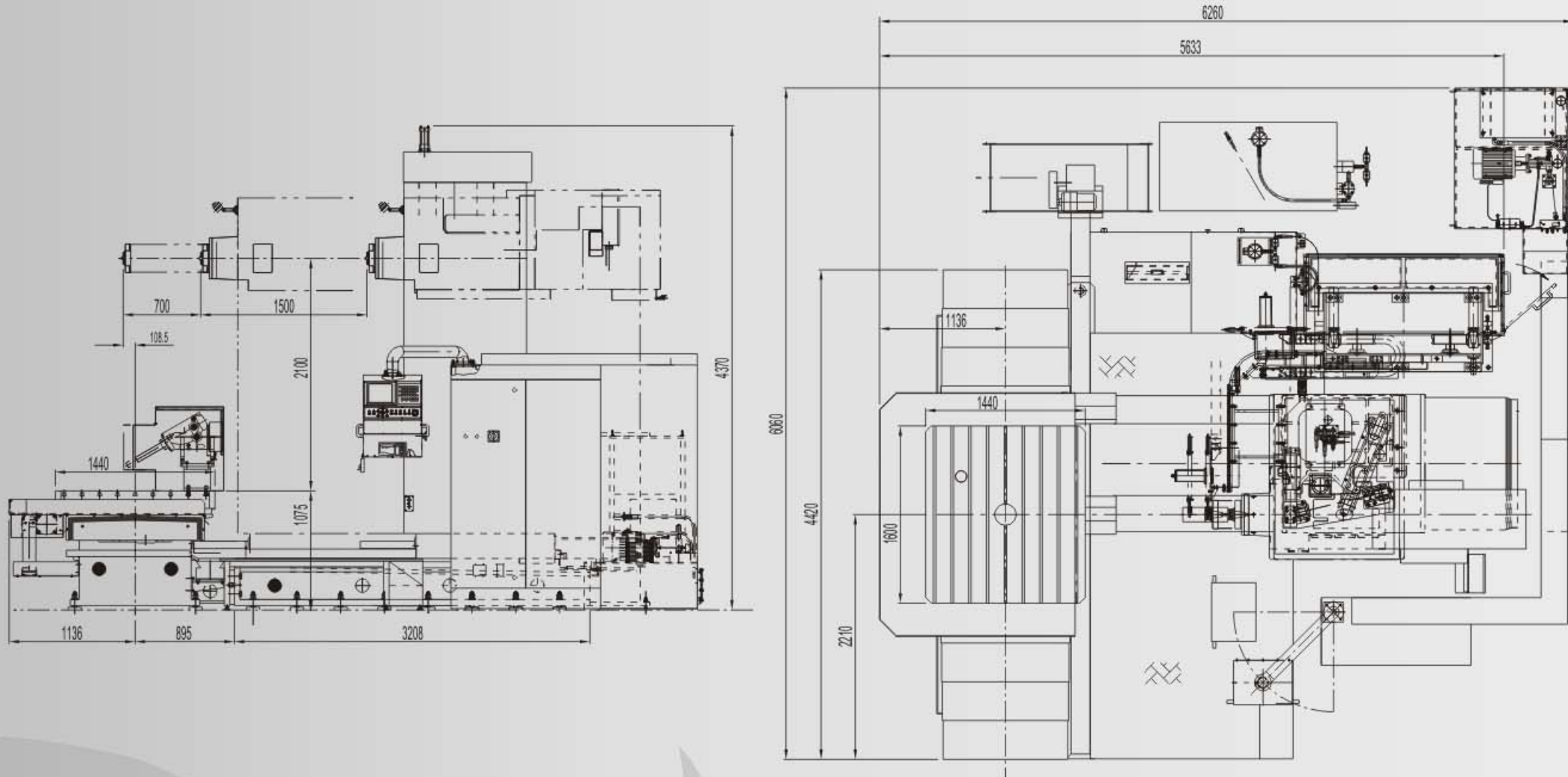


BMC-110T2 / T3 / T4



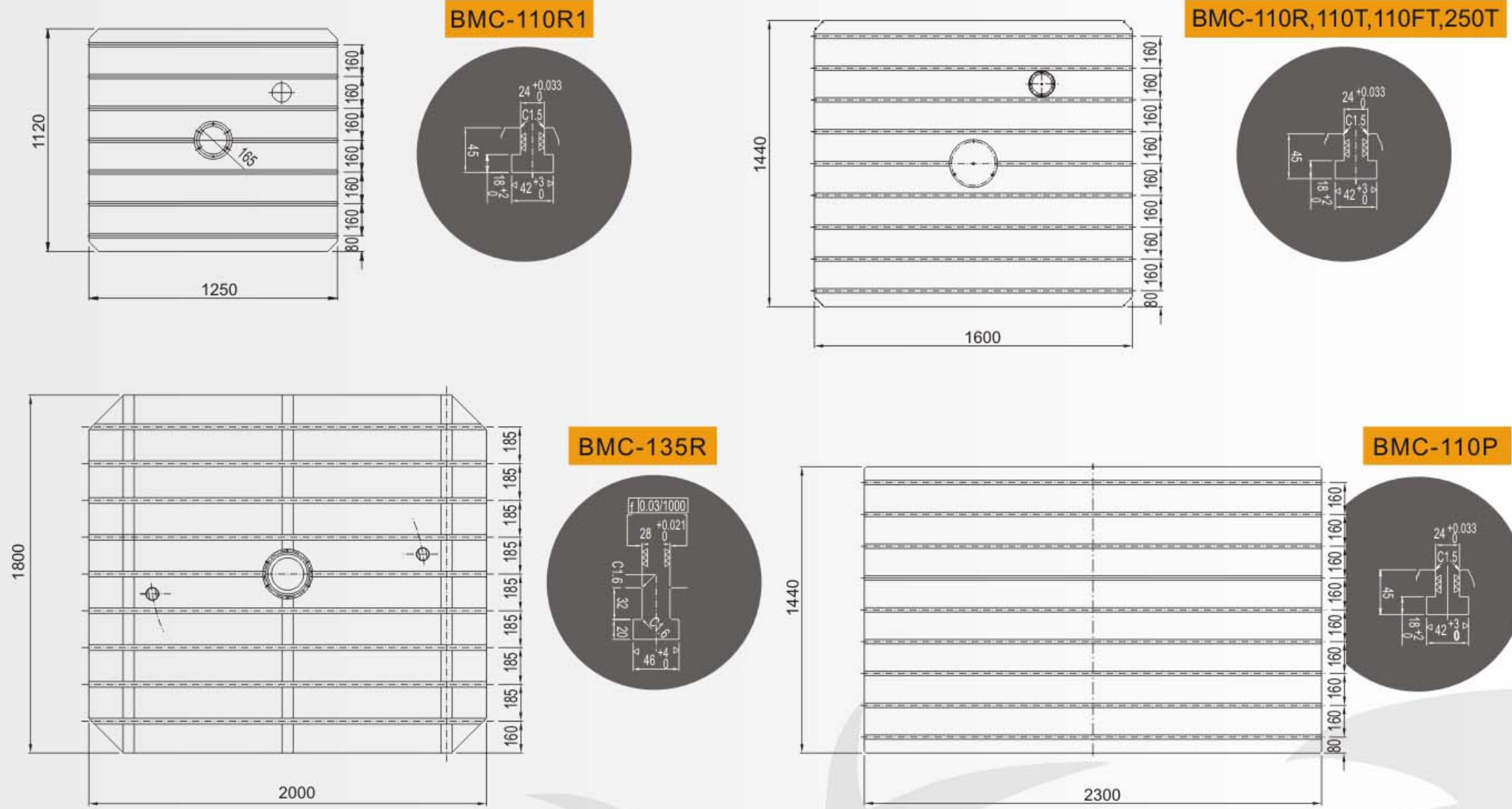
BMC-110FT2 / FT3 / FT4

DIMENSION & MACHINING FIELD

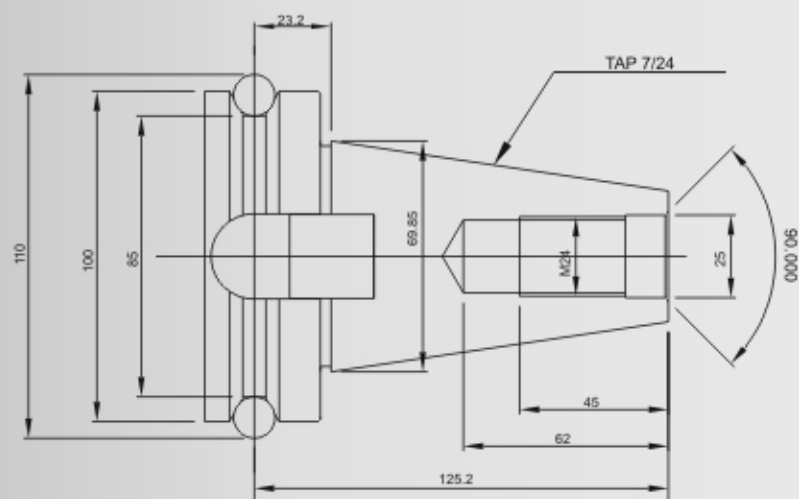


BMC-250T

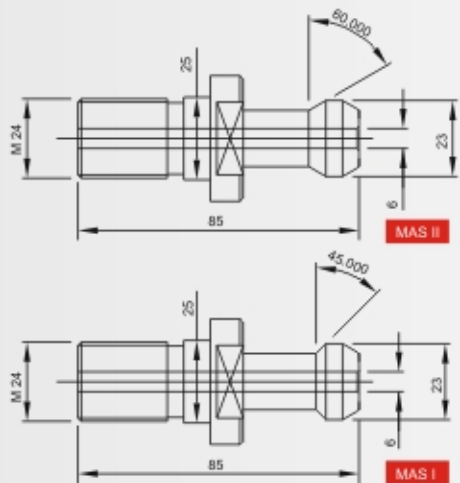
TABLE DIMENSION & T SLOT



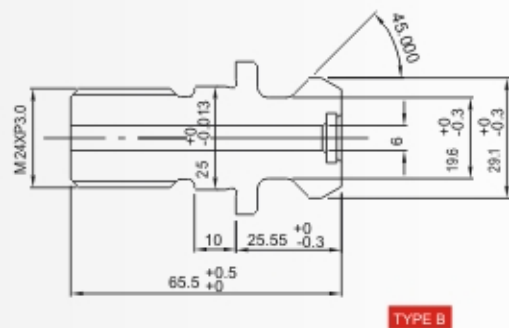
TOOL SHANK & PULL STUD DIMENSION



TOOL SHANK BT-50



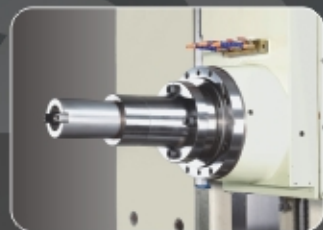
PULL STUD ISO 50



BMC-250 T ISO 7388/2



OPTIONAL ACCESSORIES



SPINDLE EXTENSION SLEEVE



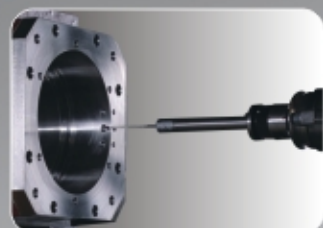
UNIVERSAL MILLING HEAD



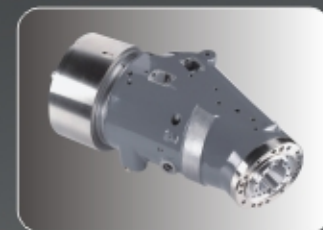
90° MILLING HEAD



ANGULAR BLOCK



TOUCH PROBE SYSTEM



ANGLE MILLING HEAD (250 T)
30° / 90° / Optional angle



POWER TRANSFORMER
380V / 415V / 440V



CE SAFETY GUARD

OPTIONAL FEATURES ▼

1. Siemens, Heidenhain CNC controller
2. Automatic tool changer (32 / 60 / 90 tools)
3. Spindle extension sleeve (250 / 300 / 450 / 500mm)
4. Angle milling head
5. Universal milling head
6. Angular block (350X400X1000mm)
(350X800X1000mm)
7. Spindle coolant through system
8. Chip conveyor system
9. Table splash guard
10. Universal indexing table with contouring function
(for B-axis)
11. Transformer (380 / 415 / 440V)
12. U-axis facing head

STANDARD & OPTION

○ STANDARD ● OPTION

ITEM	BMC-110R1	BMC-110R2	BMC-110R3	BMC-135R	BMC-110P	BMC-110T2/T3	BMC-110T4	BMC-110FT2/3	BMC-110FT4	BMC-250T
1 X, Y, Z axis linear scale	●	●	●	●	●	●	●	●	●	●
2 Saddle slideway cover	●	●	●	●	●	●	●	●	●	●
3 Table slideway cover	●	●	●	●	●	●	●	●	●	●
4 Table Splash guard	●	●	●	●	●	●	●	●	●	●
5 Working light	●	●	●	●	●	●	●	●	—	●
6 Coolant circulation system	●	●	●	●	●	●	●	●	●	●
7 Bolts & leveling pads for installation	●	●	●	●	●	●	●	●	●	●
8 Operator's manual	●	●	●	●	●	●	●	●	●	●
9 Fanuc CNC controller	●	●	●	●	●	●	●	●	●	●
10 Automatic tool changer (60 / 90 tools)	●	●	●	●	●	●	●	●	●	●
11 Spindle extension sleeve (250/300/450/500mm)	●	●	●	●	●	●	●	●	●	●
12 Angle milling head	●	●	●	●	●	●	●	●	●	●
13 Universal milling head	●	●	●	●	●	●	●	●	●	●
14 Angular block (350X400X1000mm) (350X800X1000mm)	●	●	●	●	●	●	●	●	●	●
15 Spindle coolant through system	●	●	●	●	●	●	●	●	●	●
16 Chip conveyor system	●	●	●	●	●	●	●	●	●	●
17 Universal indexing table	●	●	●	●	—	●	●	●	●	●
18 Universal indexing table with double warm gear	●	●	●	●	—	●	●	●	●	●
19 U-axis facing head	● (manual type)	● (manual type)	● (manual type)	—	—	—	—	●	●	●
20 Transformer (380 / 415 / 440V)	●	●	●	●	●	●	●	●	●	●

SPECIFICATIONS

ITEM		BMC 110R1	BMC 110R2	BMC 110R3	BMC 135R	BMC 110P
TRAVEL	Table cross travel (X)	mm 1400	2000	3000	2400	2500
	Head stock travel (Y)	mm 1400	1800	1800	2100	2100
	Table longitudinal travel (Z)	mm 1100	1700	1700	1500	1500
TABLE	Size	mm 1120 x 1250	1440 x 1600	1440 x 1600	1800 x 2000	1440 x 2300
	Load	kg 4000	6300	6300	10000	15000
	Rapid table rotation	rpm 1	1	1	1	—
SPINDLE	Stroke (W)	mm 500	500	500	900	500
	Diameter	mm 110	110	110	135	110
	Taper	ISO 50	50	50	50	50
	Tool shank	BT 50	50	50	50	50
	Pull stud	MAS II (I*)	II (I*)	II (I*)	II (I*)	II (I*)
	Milling spindle diameter	mm 225	225	225	215	225
	Motor (cont/30 mins)	kW 22 / 26	22 / 26	22 / 26	22 / 26	22 / 26
FACING HEAD (U AXIS)	Speed range low	rpm 8 - 765	8 - 765	8 - 765	5 - 460	8 - 765
	Speed range high	rpm 766 - 2500	766 - 2500	766 - 2500	461-1500	766 - 2500
	O.D.	mm —	—	—	—	—
	Slide Stroke	mm —	—	—	—	—
	Max. Face machining dia.	mm —	—	—	—	—
	Speed range	rpm —	—	—	—	—
	Max. torque	Nm —	—	—	—	—
AUTOMATIC TOOL CHANGER	Silide Rapid Traverse	mm/min —	—	—	—	—
	Storage	32 / 60 / 90	32 / 60 / 90	32 / 60 / 90	60 / 90	60 / 90
	Max. tool dia. (Adjacent)	mm 250(120)	250(120)	250(120)	250(120)	250(120)
	Max. tool length	mm 400	400	400	400	400
	Max. tool weight	kg 15 / 25 / 25	15 / 25 / 25	15 / 25 / 25	25	25
Servo Motors	Tool to tool time	sec 15	15	15	15	13
	X axis	kW 6(α 40/3000i)	6(α 40/3000i)	6(α 40/3000i)	9(α 40/3000i)	6(α 40/3000i)
	Y axis	kW 7(α 30/3000i)	7(α 30/3000i)	7(α 30/3000i)	9(α 40/3000i)	7(α 30/3000i)
	Z axis	kW 6(α 40/3000i)	6(α 40/3000i)	6(α 40/3000i)	9(α 40/3000i)	6(α 40/3000i)
CONTROL	W axis	kW 4(α 22/3000i)	4(α 22/3000i)	4(α 22/3000i)	7(α 30/3000i)	4(α 22/3000i)
	Controlled axes	4(5 for 21iM)	4(5 for 21iM)	4(5 for 21iM)	4(5 for 21iM)	4(5 for 21iM)
RAPID	Simultaneous axis	4	4	4	4	4
	X,Y,Z axes	m/min 10	10	10	10	12
FEED RATE	W axis	m/min 4	4	4	4	4
	Feed rate of every axis	mm/min 0 - 4000	0 - 4000	0 - 4000	0 - 4000	0 - 4000
MACHINE WEIGHT	Net weight	kg 16000	19000	21000	26000	28000
	Height	mm 3370	3800	3800	4840	4100
DIMENSION	Floor space	mm 6600 x 5700	7700 x 6200	7700 x 7600	8000 x 7600	7100 x 7800
	LINEAR SCALES	X/Y/Z (OPTIONAL)	X/Y/Z (OPTIONAL)	X/Y/Z (OPTIONAL)	X/Y/Z (OPTIONAL)	X/Y/Z (OPTIONAL)
TOTAL POWER RATING	kVA	55	55	55	70	55
CNC SYSTEM		FANUC	FANUC ※Option:SIEMENS, HEIDENHAIN	FANUC ※Option:SIEMENS, HEIDENHAIN	FANUC	FANUC ※Option:SIEMENS, HEIDENHAIN

Design and specifications are subject to change without prior notice
() Available for optional accessories only.

SPECIFICATIONS

ITEM		BMC 110T2	BMC 110T4 / T3	BMC 110FT2	BMC 110FT3 / FT4	BMC 250T	
TRAVEL	Table cross travel (X)	mm	2000	3000 / 4000	2000	3000 / 4000	2000
	Head stock travel (Y)	mm	2100	2100	2100	2100	2100
	Table longitudinal travel (Z)	mm	1500	1500	1500(※Option:3000)	1500(※Option:3000)	1500
TABLE	Size	mm	1440 x 1600	1440 x 1600	1440 x 1600	1440 x 1600	1440 x 1600
	Load	kg	8000	8000	8000	8000	8000
	Rapid table rotation	rpm	1	1	1	1	1
SPINDLE	Stroke (W)	mm	500	500	500	500	700
	Diameter	mm	110	110	110	110	100
	Taper	ISO	50	50	50	50	50
	Tool shank	BT	50	50	50	50	50
	Pull stud	MAS	II (I*)	II (I*)	II (I*)	II (I*)	ISO 7388/1/2 TYPE B
	Milling spindle diameter		225	225	225	225	RAM TYPE:250
	Motor (cont/30 mins)	kW	22 / 26	22 / 26	22 / 26	22 / 26	22 / 26
	Speed range low	rpm	8 - 765	8 - 765	10 - 857	10 - 857	17 - 1500
	Speed range high	rpm	766 - 2500	766 - 2500	858 - 2500	858 - 2500	1501 - 8000
FACING HEAD (U AXIS)	O.D.	mm	—	—	720	720	—
	Slide Stroke	mm	—	—	230	230	—
	Max. Face machining dia.	mm	—	—	1050	1050	—
	Speed range	rpm	—	—	5 - 250	5 - 250	—
	Max. torque	Nm	—	—	4593	4593	—
AUTOMATIC TOOL CHANGER	Slide Rapid Traverse	mm/min	—	—	1500	1500	—
	Storage		60 / 90	60 / 90	60 / 90	60 / 90	60 / 90
	Max. tool dia. (Adjacent)	mm	250 (120)	250 (120)	250 (120)	250 (120)	250 (120)
	Max. tool length	mm	400	400	400	400	400
	Max. tool weight	kg	25	25	25	25	25
Servo Motors	Tool to tool time	sec	13	13	13	13	13
	X axis (G.B= Gaar Box)	kW	7(α30 / 3000i)+G.B.	7(α30 / 3000i)+G.B.	7(α30 / 3000i)+G.B.	7(α30 / 3000i)+G.B.	7(α30 / 3000i)+G.B.
	Y axis	kW	7(α30/3000i)	7(α30/3000i)	7(α30/3000i)	7(α30 / 3000i)	7(α30 / 3000i)
	Z axis	kW	6(α40/3000i)	6(α40/3000i)	6(α40/3000i)	6(α40 / 3000i)	6(α40 / 3000i)
	W axis	kW	4(α22/3000i)	4(α22/3000i)	4(α22/3000i)	4(α22 / 3000i)	4(α22 / 3000i)
CONTROL	Controlled axis		4(5 for 21iM)	4(5 for 21iM)	6 (18iM)	6 (18iM)	6 (18iM)
	Simultaneous axis		4	4	4 (18iM)	4 (18iM)	4 (18iM)
RAPID	X,Y,Z axis	m/min	10,12 ,12	12	10,12 ,10	12,12 ,10	10,12 ,12
	W axis	m/min	4	4	4	4	4
FEED RATE	Feed rate of every axes	mm/min	0 - 4000	0 - 4000	0 - 4000	0 - 4000	0 - 4000
MACHINE WEIGHT	Net weight	kg	24000	25000 / 26000	26000	27000 / 28000	25000
	Height	mm	4100	4100	4100	4100	4370
DIMENSION	Floor space	mm	7100 x 7060	7100 x 7800 / 7100 x 9100	7250 x 7250	7250 x 7800 / 7250 x 9100	7250 x 7060
LINEAR SCALES			X/Y/Z	X/Y/Z	X/Y/Z	X/Y/Z	X/Y/Z
TOTAL POWER RATING		kVA	55	55	55	55	55
CNC SYSTEM			FANUC ※Option:SIEMENS, HEIDENHAIN	FANUC ※Option:SIEMENS, HEIDENHAIN	FANUC ※Option:SIEMENS	FANUC ※Option:SIEMENS	FANUC

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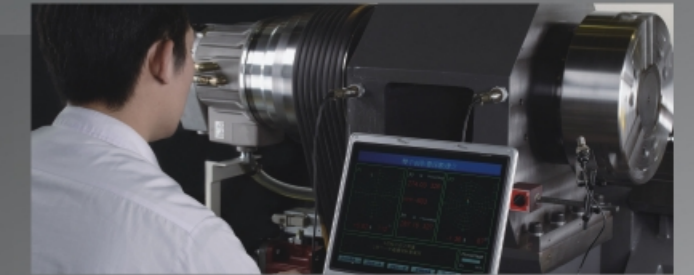
QUALITY ASSURANCE



- To ensure the machine high quality requirement, FEMCO develop a inspection standard process depends on features of every models.
- To achieve a comprehensive test of the autonomy, Our FEMCO engineer will follow the CNS/JIS standard.
- Guarantee the best performance and quality assurance.

I. Dynamic balance testing

To satisfy the higher rotating and positioning accuracy.



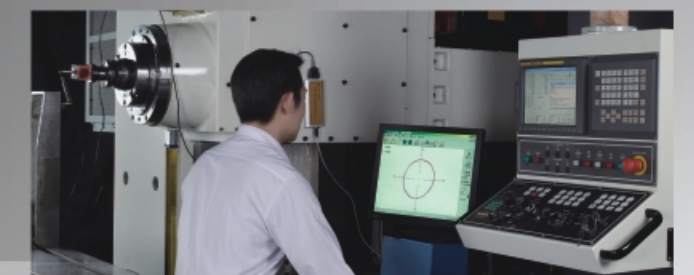
II. Laser testing

International Certificated Laser Testing maintain the Positioning & Repeatability accuracy.



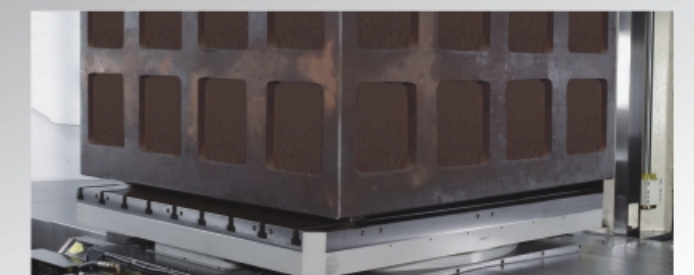
III. Circularity testing

Dynamic check to secured the contouring performance is ensured by the ballbar testing devices.



IV. Table load testing

The rotary table is clamped securely by a hydraulic system, ensure excellent stability even when machining large workpieces.



FEMCO PRODUCT LINE-UP

HL SERIES



HL-25N



HL-25D



HL-25DM



HL-25DMS



HL-35 / 35D / 35DM



HL-35DMSY



HL-45(1000 / 1500)



HL-55S(1250 / 2000 / 2500)

WHL SERIES



WHL-55



WHL-55SP



WHL-68



WHL-68SP



WVL-F24



WVL-F24A



WVD-24

BMC SERIES



BMC-110R1



BMC-110R2



BMC-110R3



BMC-135R



BMC-110T2 / T3 / T4 / P



BMC-110FT2 / FT3 / FT4



BMC-250T

VL SERIES



VL-12 / 25



Flexible design for optimal line reconstruction



3 / 5 AXIS MACHINE

F3X / 5X-630

