

Eumach

HORIZONTAL MACHINING CENTER



EBM-1000 / 2150 / 2600 / 3200



EMC / CE / ISO 9002 CERTIFIED

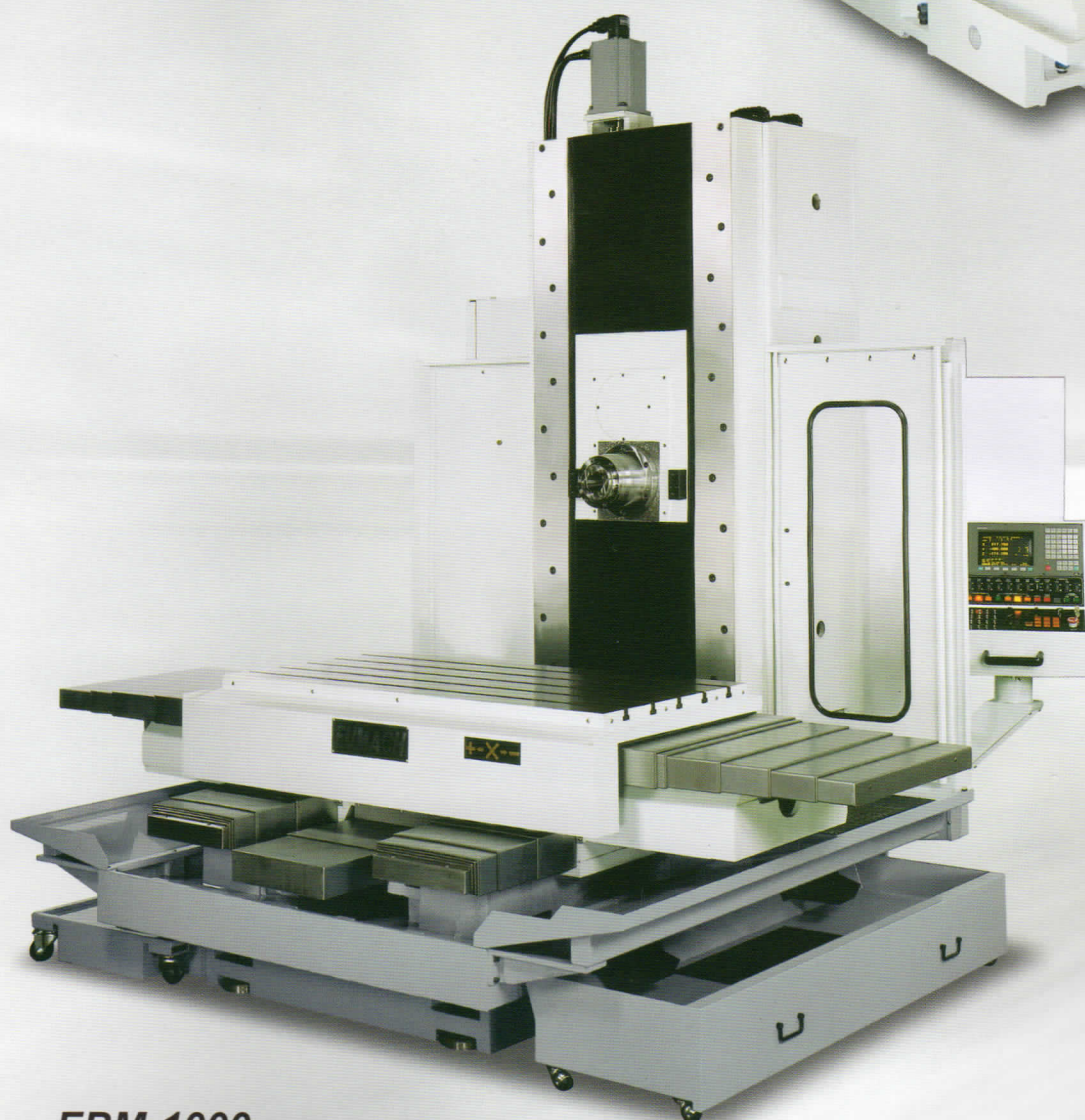
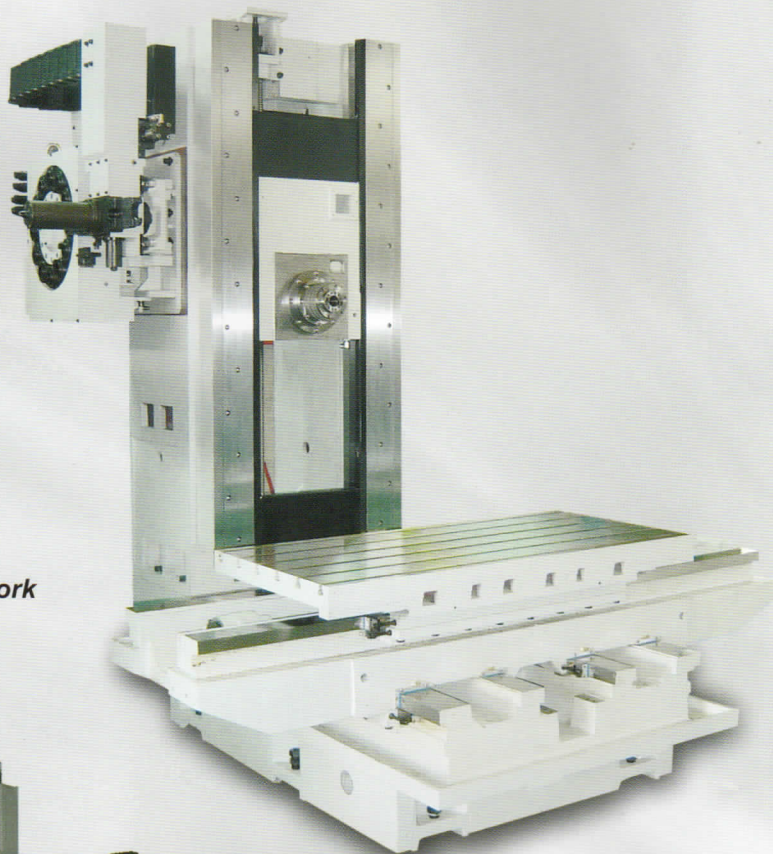
A PROFESSIONAL CNC MACHINES MANUFACTURER

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EBM-1000

- TABLE DIMENSION : 1500MM × 710MM
- X AXIS TRAVEL : 1400MM
- Y AXIS TRAVEL : 1200(1400)MM
- Z AXIS TRAVEL : 1000MM
- TABLE LOAD : 1500KG

● Rigid framework

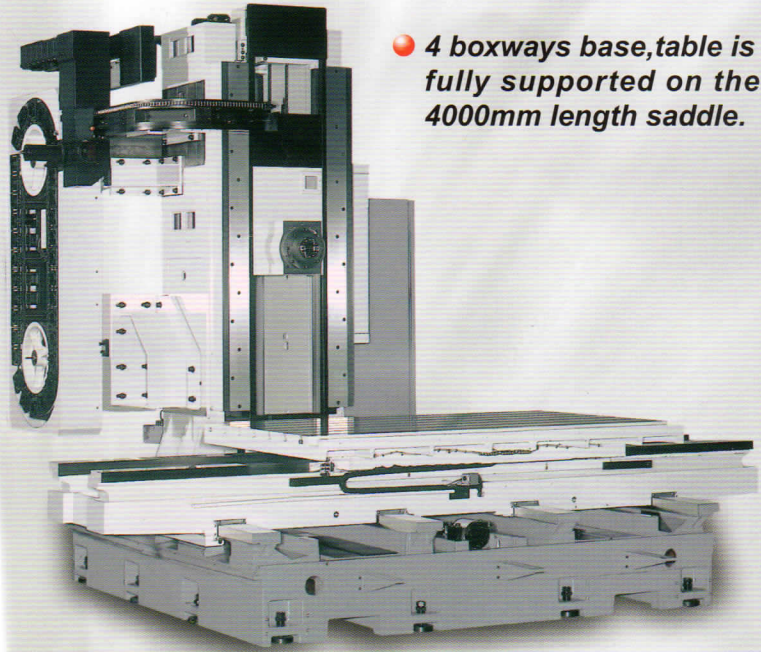


EBM-1000 HORIZONTAL MACHINING CENTER. (W / O ATC)

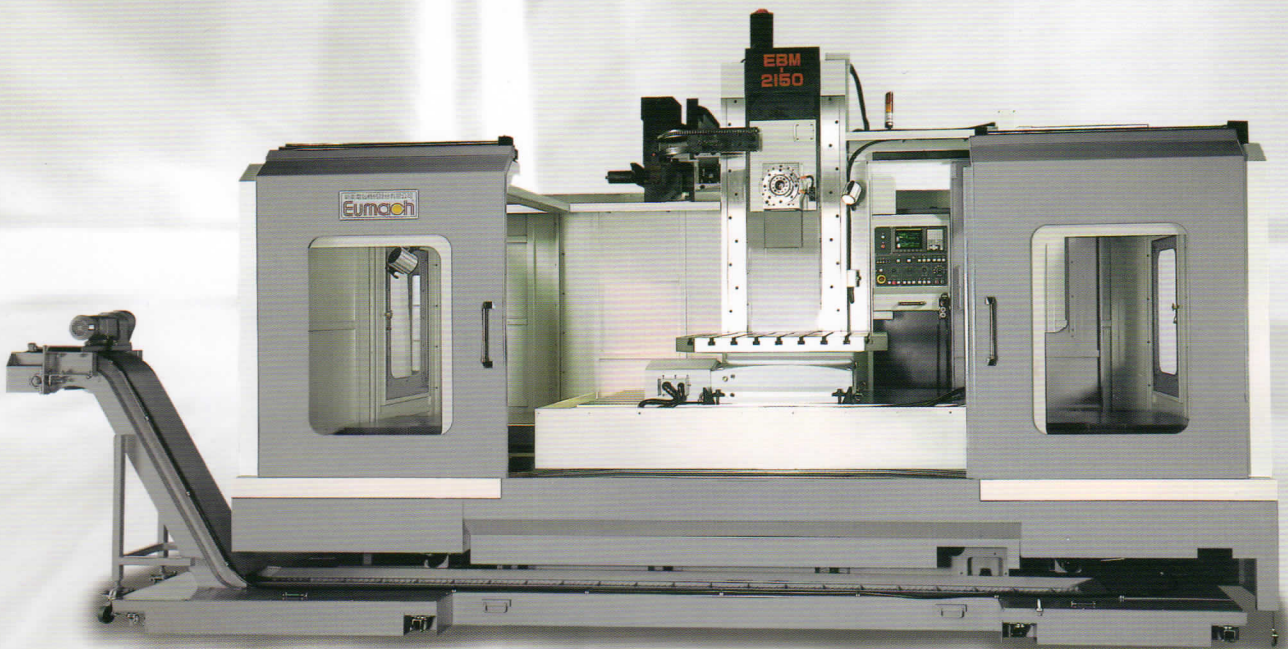
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EBM-2150

- TABLE DIMENSION : 2200MM × 1220MM
- X AXIS TRAVEL : 2150MM
- Y AXIS TRAVEL : 1400MM
- Z AXIS TRAVEL : 1100MM
- TABLE LOAD : 4000KG



- 4 boxways base, table is fully supported on the 4000mm length saddle.

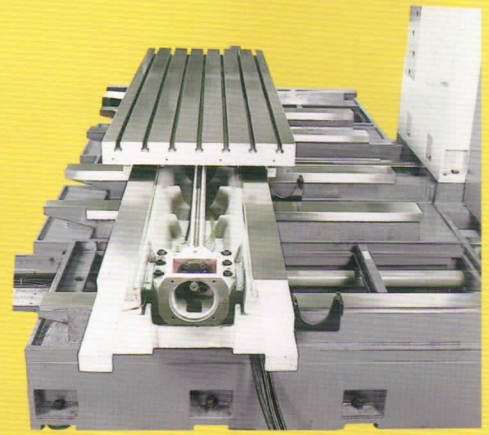


EBM-2150 HORIZONTAL MACHINING CENTER WITH 32 TOOLS AUTOMATIC TOOL CHANGER (HORIZONTAL CHANGING) AND FOLLOWING OPTIONS :
— 1200MM X 1200MM INDEXING TABLE.
— FULL GUARD WITH ROOF.

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EBM-2600

- TABLE DIMENSION : 2650MM × 1220MM
- X AXIS TRAVEL : 2600MM
- Y AXIS TRAVEL : 1400MM
- Z AXIS TRAVEL : 1100MM
- TABLE LOAD : 4500KG



- 6 boxway base table is fully supported on the 4900mm (EBM-2600), 6100mm (EBM-3200) length saddle.



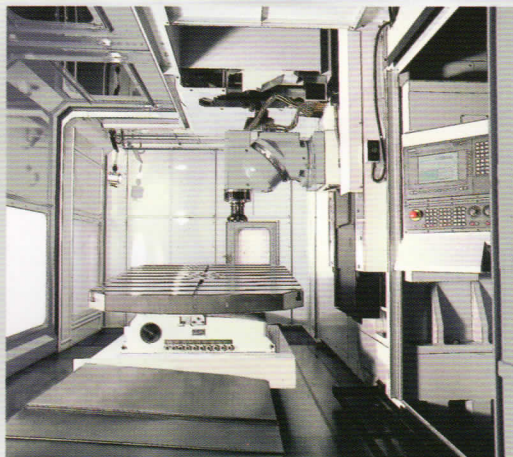
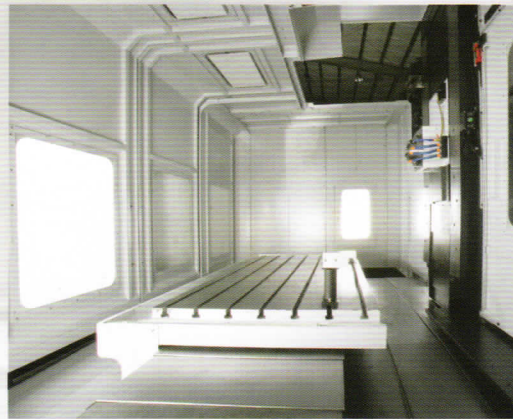
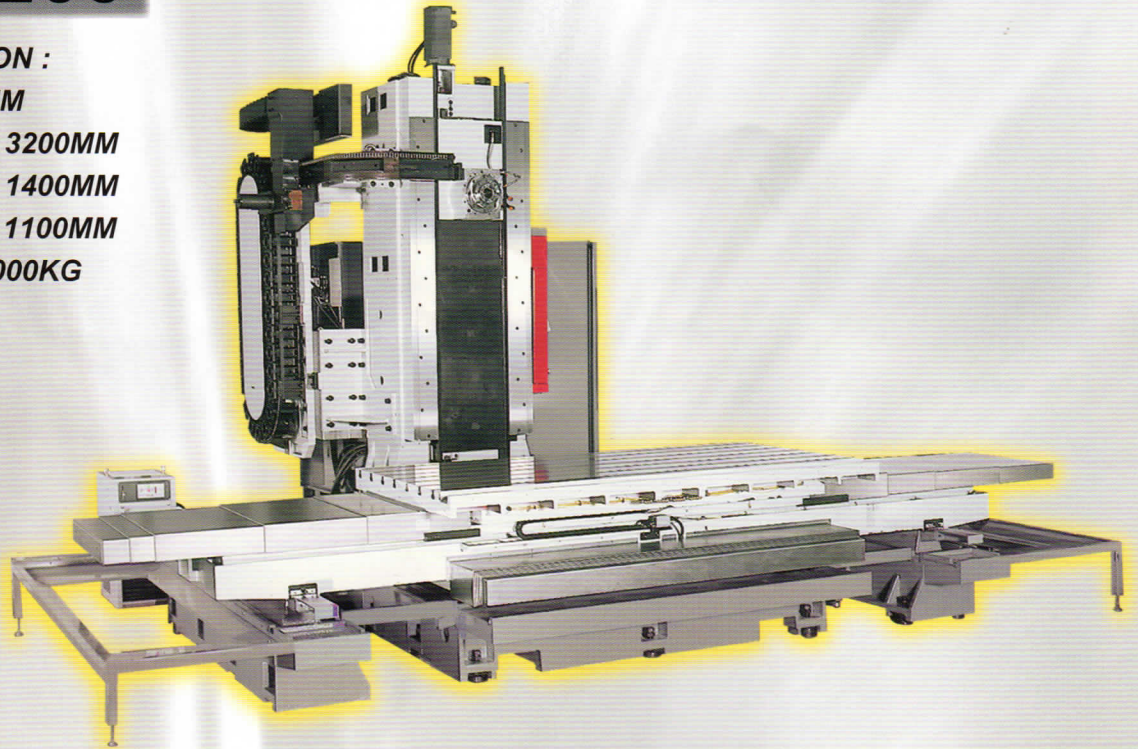
EBM-2600/3200 HORIZONTAL MACHINING CENTER WITH 32 TOOLS

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EBM-3200

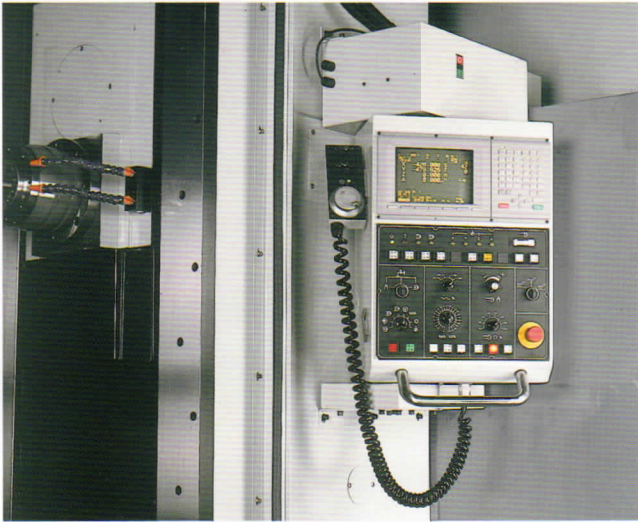
- TABLE DIMENSION :
3250MM × 1220MM
- X AXIS TRAVEL : 3200MM
- Y AXIS TRAVEL : 1400MM
- Z AXIS TRAVEL : 1100MM
- TABLE LOAD : 5000KG

● Designed to sustain all kinds of reaction forces of cutting motion with thick wall and diagonally arranged ribs; this absolutely minimizes changes in accuracy level of the machine.

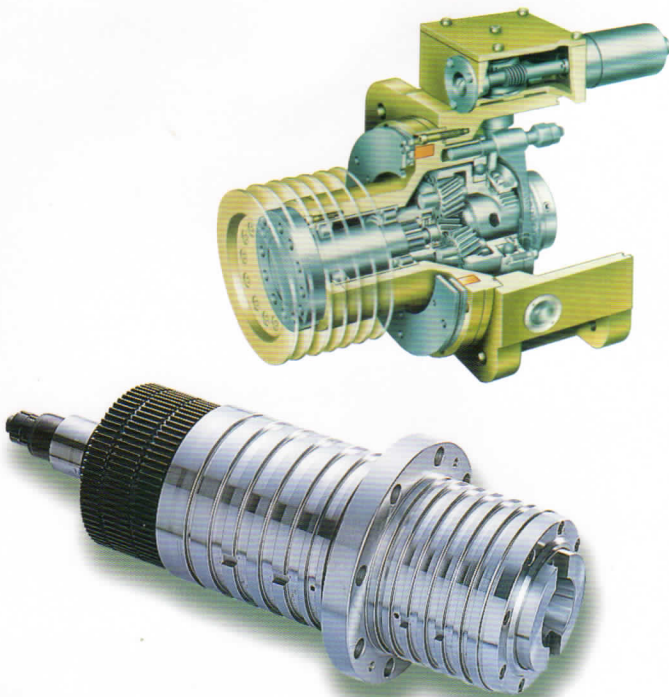
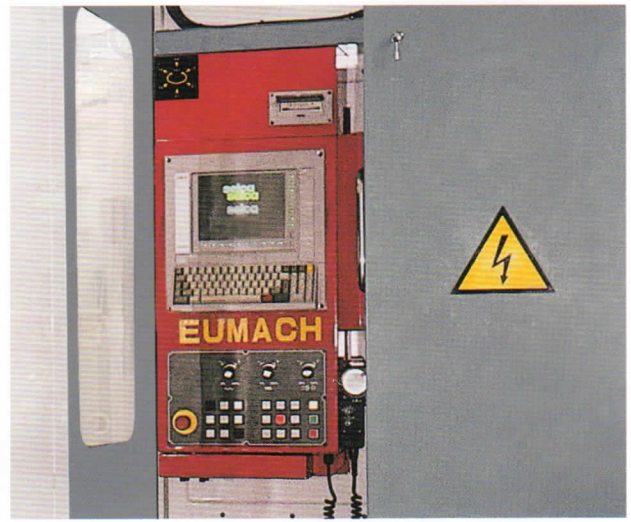


● Extra wide interior space

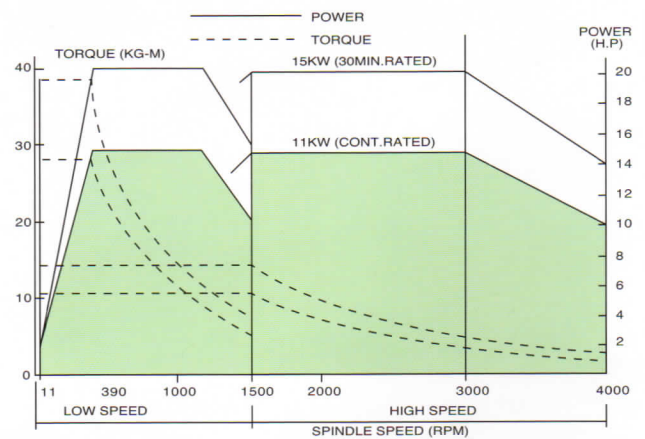
ATC HORIZONTAL CHANGING & FULL GUARD.



CNC control panel on the side of column, closed to the main spindle to check workpiece and cutting tools.

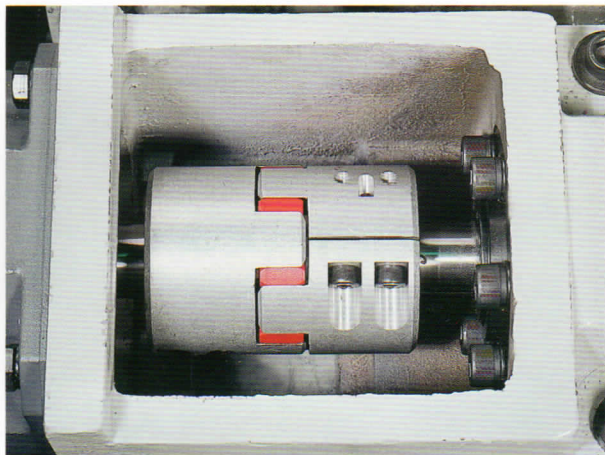


Powerful planetary gearbox driven spindle head.

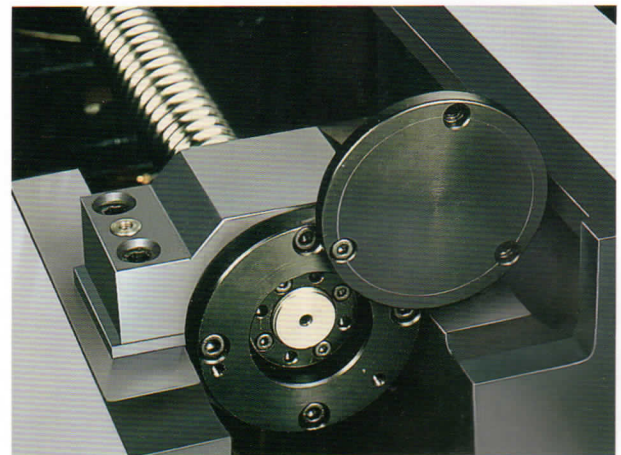


Heavy Duty Machining

	STD	OPT
SPINDLE MOTOR	11KW/15KW	15KW/18.5KW
MAX. TORQUE	39KG-M(382 Nm)	48KG-M(471 Nm)



Large diameter ultra precision ballscrews directly coupled to the feed motor and are arranged in center of each guideways and close the cutting point.



Each ballscrew end support is with pre extended devices for absolute screw straightness and long life. (R.O.C patent no.72650)

MODEL	UNIT	EBM-1000	EBM-2150	EBM-2600	EBM-3200
TABLE:					
OVERALL SIZE	MM	1500×710	2200×1220	2650×1220	3250×1220
WORKING AREA	MM	1500×710	2200×1100	2650×1100	3250×1100
T SLOTS (SIZE×NO×PITCH)	MM	18×6×125	22×7×125	22×7×125	22×7×125
MAXIMUM LOADING	KG	1500	4000	4500	5000
TRAVEL:					
X / Y / Z AXIS	MM	1400/1200(1400)/1000	2150/1400/1100	2600/1400/1100	3250/1400/1100
DISTANCES:					
SPINDLE NOSE TO TABLE EDGE	MM	246.5-1246.5	-249-930	-249-930	-249-930
SPINDLE CENTER TO TABLE TOP	MM	250-1450(245-1645)	190-1590	190-1590	190-1590
SPINDLE NOSE TO COLUMN SURFACE	MM	250	249	249	249
FLOOR TO TABLE	MM	980	995	995	995
SPINDLE:					
TAPER	ISO	BT#50	BT#50	BT#50	BT#50
SPEED	RPM	4000(6000)	4000 (6000)	4000 (6000)	4000 (6000)
MOTOR	KW	15	15	15	15
AXIS MOTORS:					
X & Z AXIS	NM	22 / 22	27 / 27	27 / 50	70 / 70
Y AXIS	NM	22 WITH BRAKE	27 WITH BRAKE	27 WITH BRAKE	27 WITH BRAKE
CUTTING FEEDRATE	MM/MIN	1-5000	1-5000	1-5000	1-5000
RAPID FEEDRATE	M/MIN	10(15)	10(15)	10(15)	10(15)
MINIMUM SETTING	MM	0.001	0.001	0.001	0.001
AUTOMATIC TOOL CHANGER :					
TYPE OF ATC		SWING ARM	SWING ARM	SWING ARM	SWING ARM
NO.OF ATC	TOOLS	32 (40,60)	32 (40,60)	32 (40,60)	32 (40,60)
MAX.TOOL (DIA/LENGTH)	MM	250 / 300	250 / 300	250 / 300	250 / 300
MAX.TOOL WEIGHT	KG	15	15	15	15
TOOL TO TOOL	SEC.	3.5	3.5	3.5	3.5
BALLSCREWS ON X / Y / Z :					
DIAMETER	MM	50 / 50 / 50	63 / 50 / 63	63 / 50 / 63	63 / 50 / 63
PRECISION CLASS(C3)	MM/300MM	0.008	0.008	0.008	0.008
COOLANT & LUBRICATION :					
COOLANT MOTOR POWER	KW	0.86	0.86	0.86	0.86
COOLANT TANK VOLUMN	L	200	350	350	350
COOLANT MOTOR CAPACITY	L / MIN	20	20	20	20
LUBRICCATION MOTOR POWER	WATT	25	25	25	25
LUBRICATION TANK VOLUME	L	4	4	4	4
ACCURACY :					
POSITIONING	MM	JIS 6388 : ±0.005MM / 300MM VDI3441 : P0.014MM			
REPEATABILITY	MM	JIS 6388 : ±0.003MM VDI3441 : PS0.01MM			
ROUNDNESS	MM	JIS 6388 : ±0.01MM/300MM DIAMETER			
MISCELLANEOUS :					
MACHINE NET WEIGHT	KG	15000	21000	23000	25000
POWER REQUIRED	KVA	30	35	40	40
PNEUMATIC REQUIRED	KG / CM ²	7	7	7	7

() OPTIONS

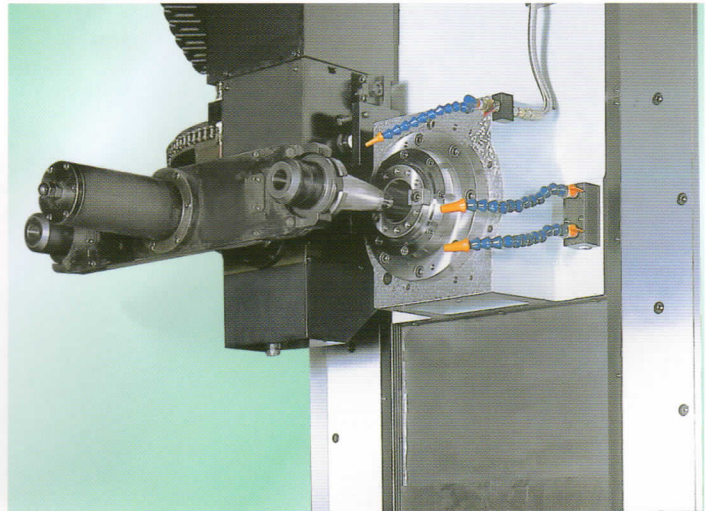
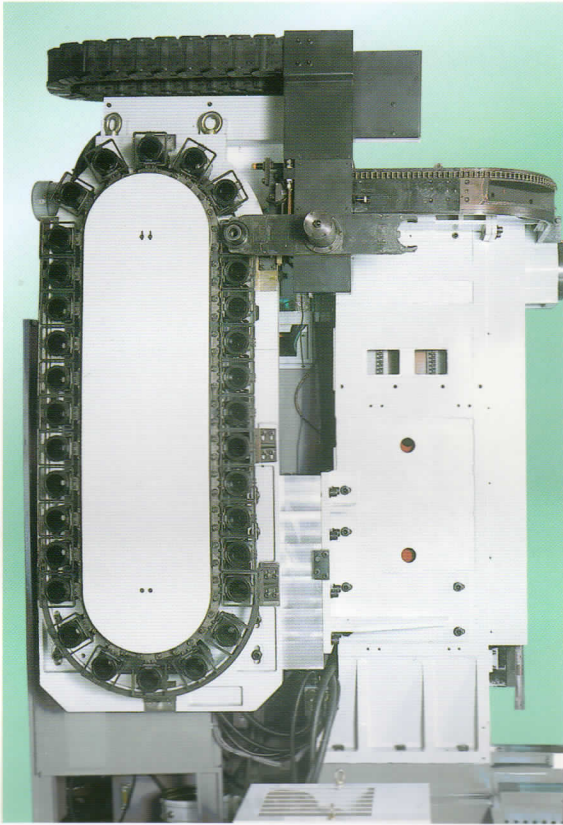
STANDARD FEATURES & ACCESSORIES :

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. PROGRAMMABLE COOLANT SYSTEM 2. AUTOMATIC LUBRICATION SYSTEM 3. SPINDLE AIR BLAST SYSTEM 4. WORKING LAMP 5. ALARM LAMP FOR ABNORMAL SITUATION 6. INDICATION LAMP FOR DWELL & END OF JOB | <ol style="list-style-type: none"> 7. LEVELLING BOLTS & PADS 8. BT#50 SPINDLE 9. PRE-EXTENSIONED BALLSCREWS 10. RS-232 TERMINAL INTERFACE PORT 11. MACHINE & CONTROL MANUALS 12. TOOLBOX WITH SPANNERS & WRENCHES |
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CNC CONTROLS AVAILABLE: FANUC, MITSUBISHI, HEIDENHAIN, SELCA, SIEMENS

OPTIONAL ACCESSORIES

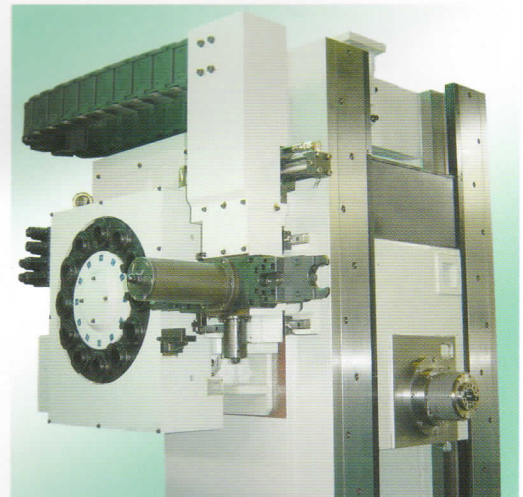
1. AUTOMATIC TOOL CHANGER



BT#50,40/60 tools swing arm automatic tool changer, exchange tools at horizontal spindle position, maximum tool's length: 400mm, weight: 15kg diameter: 125mm or 250mm with empty pockets.

2. DIRECT DRIVE SPINDLE:

up to 15000 rpm (#40 Taper) or 10000 rpm (#50 Taper)

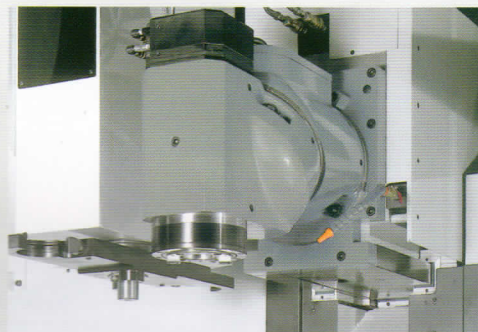


BT#40 16tools swing arm ATC.

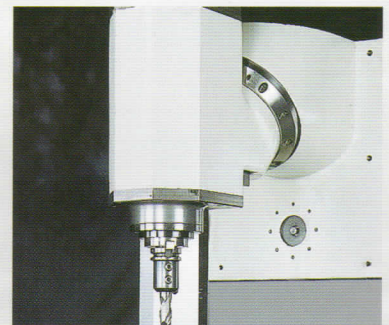
3. 90 DEGREE VERTICAL MILLING HEAD ISO 50, 3500 RPM.



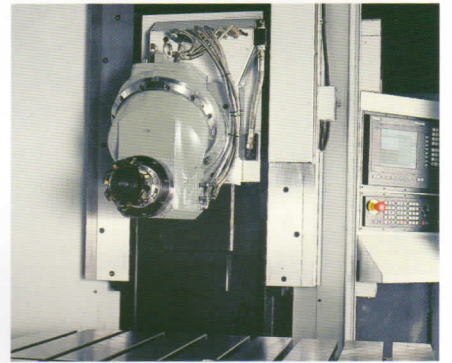
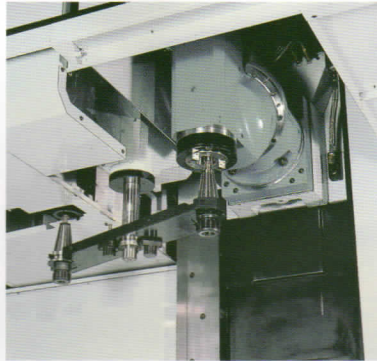
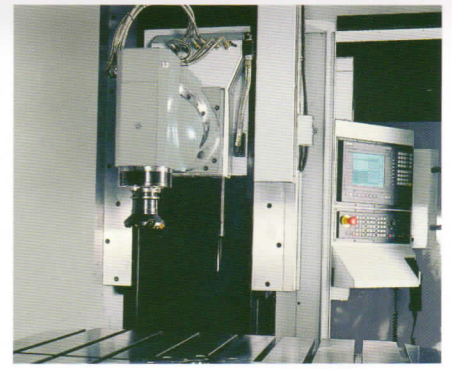
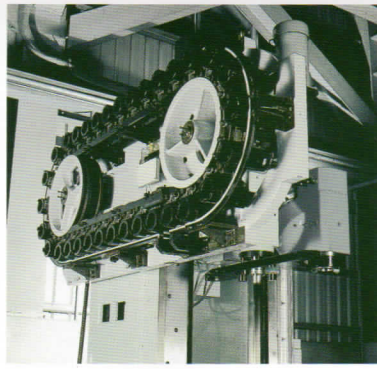
4. MANUAL ROTATION UNIVERSAL MILLING HEAD (1 degree manual rotation on front & rear axis, iso 50, 3500 rpm)



5. AUTOMATIC VERTICAL & HORIZONTAL BUILT-IN MOTOR SPINDLE HEAD (7.5KW , 8000 rpm)



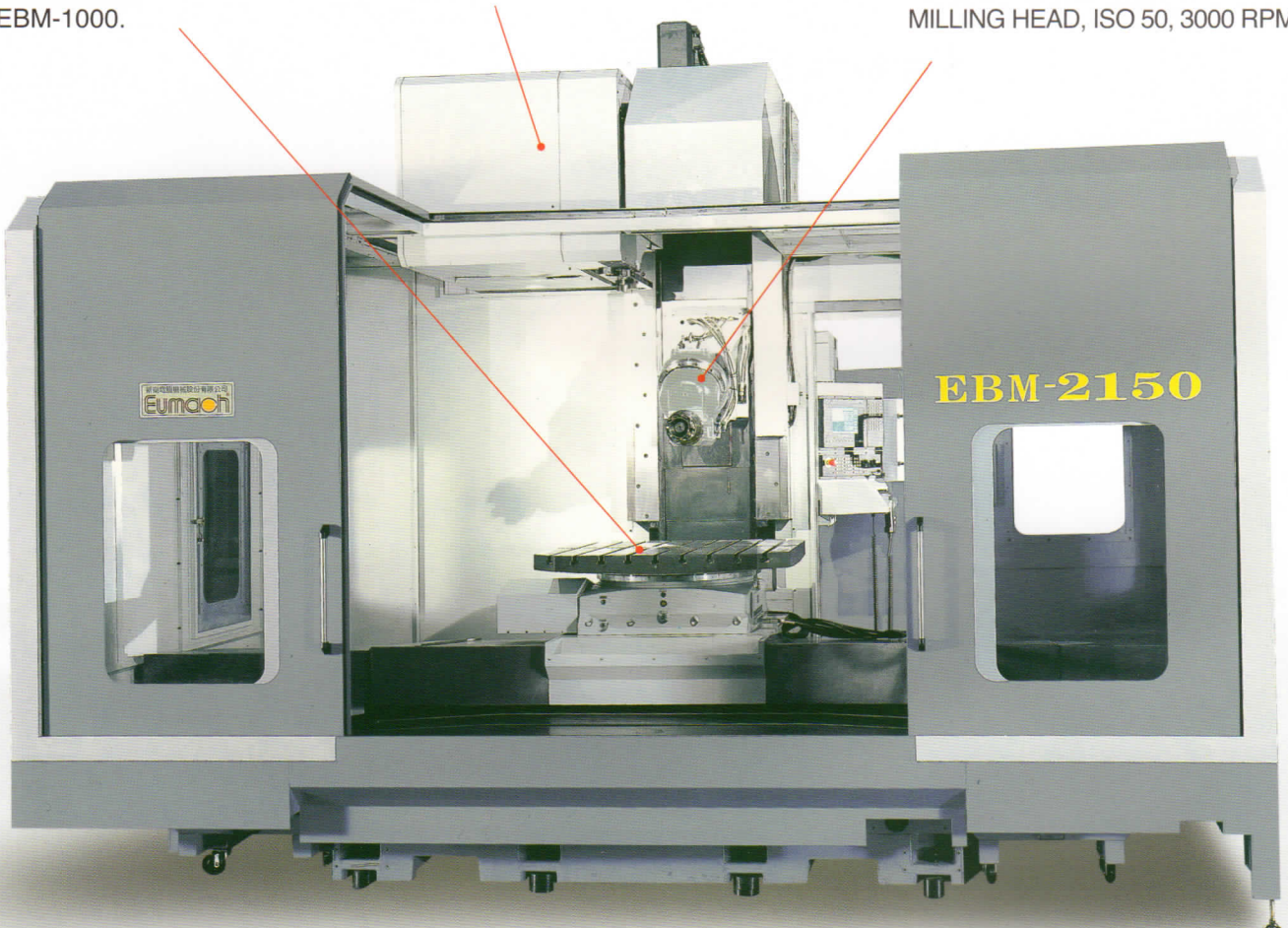
**5 FACES
CUTTING**



6. 800MM X 700MM BUILT-IN INDEXING TABLE FOR EBM-1000.

7. 32 TOOLS AUTOMATIC TOOL CHANGER (tools exchange at **vertical** position)

8. AUTOMATIC VERTICAL & HORIZONTAL 2 POSITIONS MILLING HEAD, ISO 50, 3000 RPM



EBM-2150 HORIZONTAL MACHINING CENTER WITH 32 TOOLS AUTOMATIC TOOL CHANGER (VERTICAL CHANGING) AND FOLLOWING OPTIONS :

- AUTOMATIC VERTICAL & HORIZONTAL MILLING HEAD.
- 1200MM X 1200MM BUILT-IN INDEXING TABLE.
- FULL GUARD WITH ROOF.