Eumach

Always A Step Ahead

EBM-1000 / 2150 / 2600 / 3200

HORIZONTAL MILLING MACHINES

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.

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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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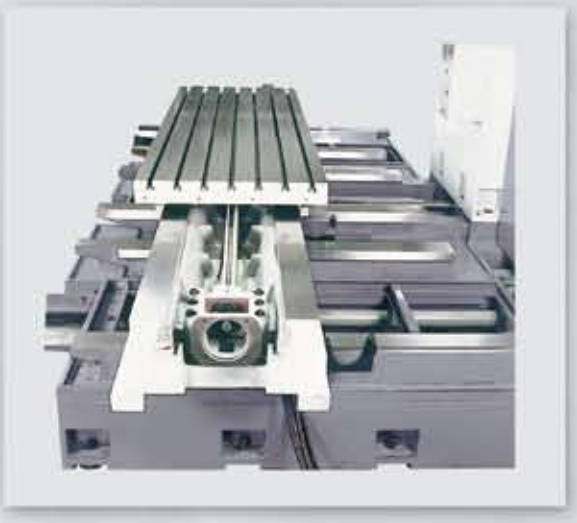
EBM-2600

- *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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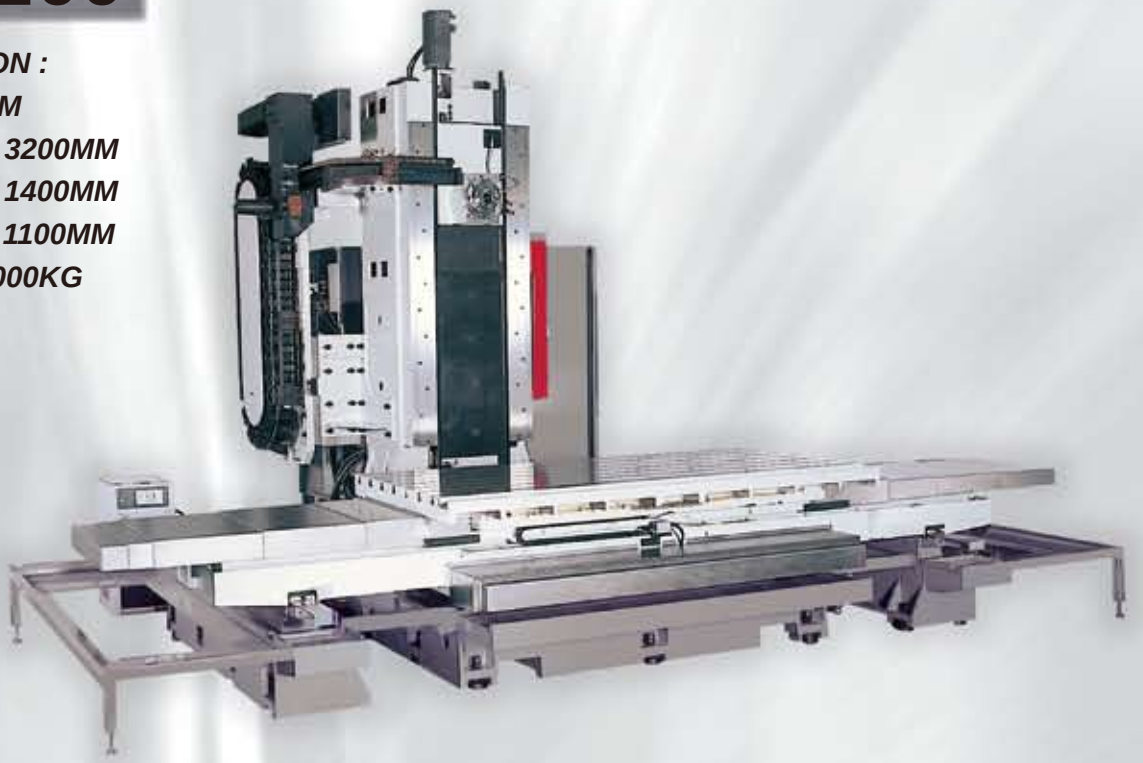
EBM-3200

- *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.*

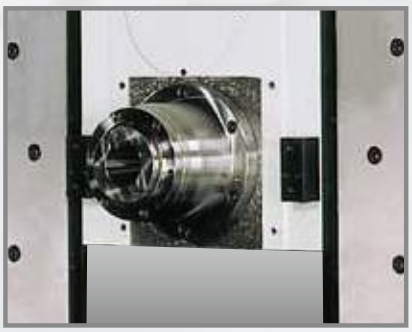


- *Extra wide interior space*

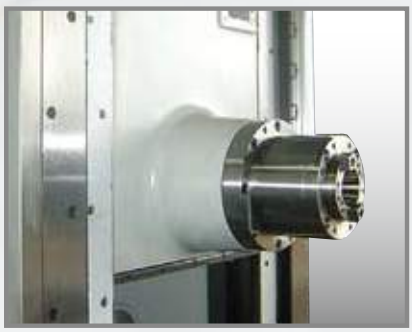
ATC HORIZONTAL CHANGING & FULL GUARD.

Various versatile options to

SPINDLE NOSE :



standard nose to column 250mm



optional long nose to column 350mm

BT#50 / 1000RPM / 30kw / 350Nm /
long nose motor spindle.

MILLING HEADS :

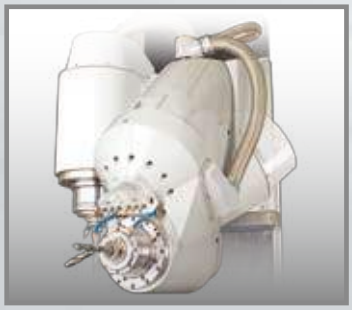
Attachment type, removable :

VAR3
manual rotation universal milling head BT#50 / 3000RPM

VH-2
automatic vertical & horizontal 2 positions, BT#50 / 3500RPM

Built in type, non-removable :

VH-2.5 & VH-1
automatic index 2.5˚ or 1˚ on two axis, BT#50 / 3500RPM

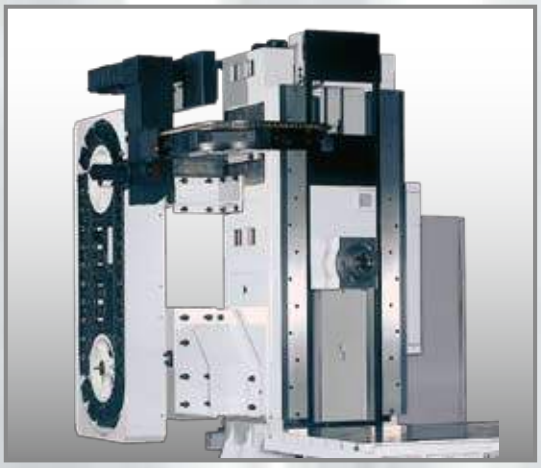


VH-U
universal type milling head, HSK-A63 / 29.3 & 35KW / 70 & 160Nm / 14000RPM

EBM Standard Exp

increase your productivity:

ATC :



40,60,90 stations fixed on floor, horizontal tool changer

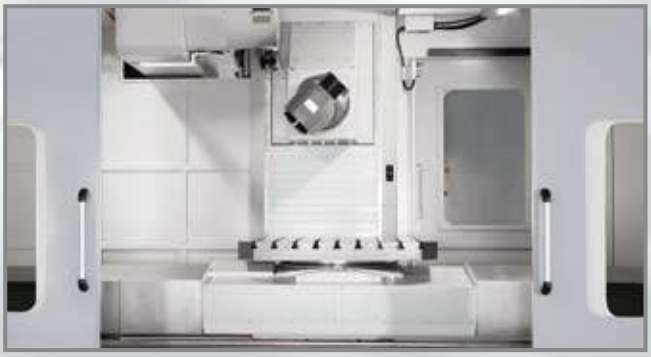
24 stations fixed on traveling column, vertical tool change.

andable Features:

TABLE :

standard plain fixed table or following optional tables :

700 x 800mm CNC rotary table built in on EBM-1000



1200 x 1200mm CNC rotary table built in on EBM-2150

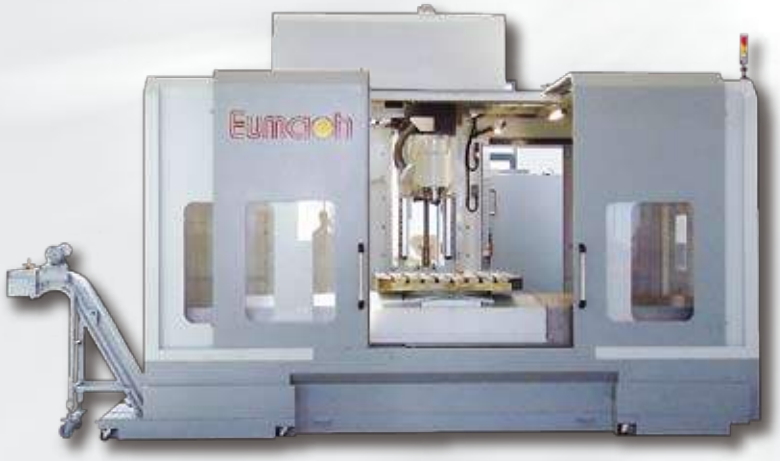
1 M rotary table on top of standard table

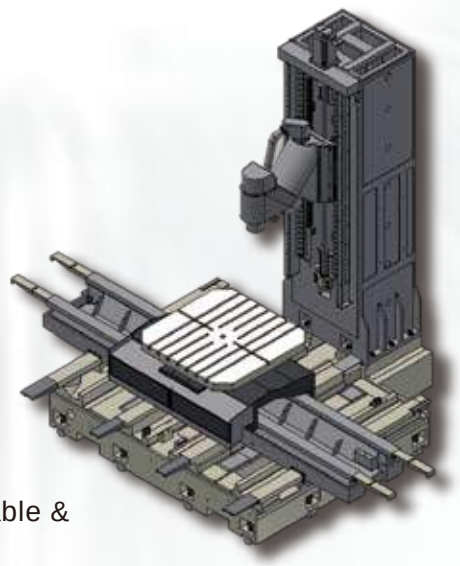
EBM with optional 5 axis features :

B axis swivel head at vertical position.

B axis swivel head at tilting angle position.

Large C Frame / Swivel Head + Rotary Table





2150mm x 1100mm x 1400mm travel, 1200x1200mm rotary table & swivel head, HSK-A63 18000RPM

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

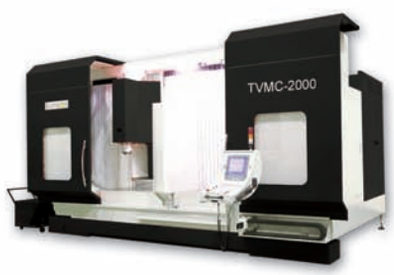
STANDARD FEATURES & ACCESSORIES :

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
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

CNC CONTROLS AVAILABLE: FANUC, MITSUBISHI, HEIDENHAIN, SIEMENS

EUMACH FAMILIES

- **VMC-2150**
  Vertical machine center
  400MM ~ 3200MM X axis travel



- **TVMC-2000 / 3000**
  Moving column machine center
  2320MM & 3320MM X axis travel

- **LBM-1500**
  High speed bridge type machine center
  1100MM ~ 2200MM X axis travel

- **MH-500**
  Horizontal machine center
  720MM x 650MM x 650MM travel

- **FBM-10040**
  5 Face machine center
  1400MM ~ 3200MM X axis travel

- **MB-1500**
  Moving column horizontal machine center
  1100MM ~ 2200MM X axis travel

- **DVM-4025**
  5 Face & double column machine center

- **FBE-1500**
  Universal milling machine
  1500MM ~ 4000MM X axis travel

- **UMC-1000**
  5 Axis machine center
  1000MM x 800MM x 700MM travel

FMS-A4040203 886-4-2235-2288

Eumach Co.,LTD.

2, YING LIN LANE, HE-SHENG STREET, SHI-GANG DISTRICT, TAICHUNG CITY 422, TAIWAN, R.O.C.
TEL:886-4-25810031 FAX:886-4-25810003
E-mail:eumach.coltd@msa.hinet.net ; eumach@ms8.hinet.net
http://www.eumach.com

★Specifications subject to change without notice.
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