

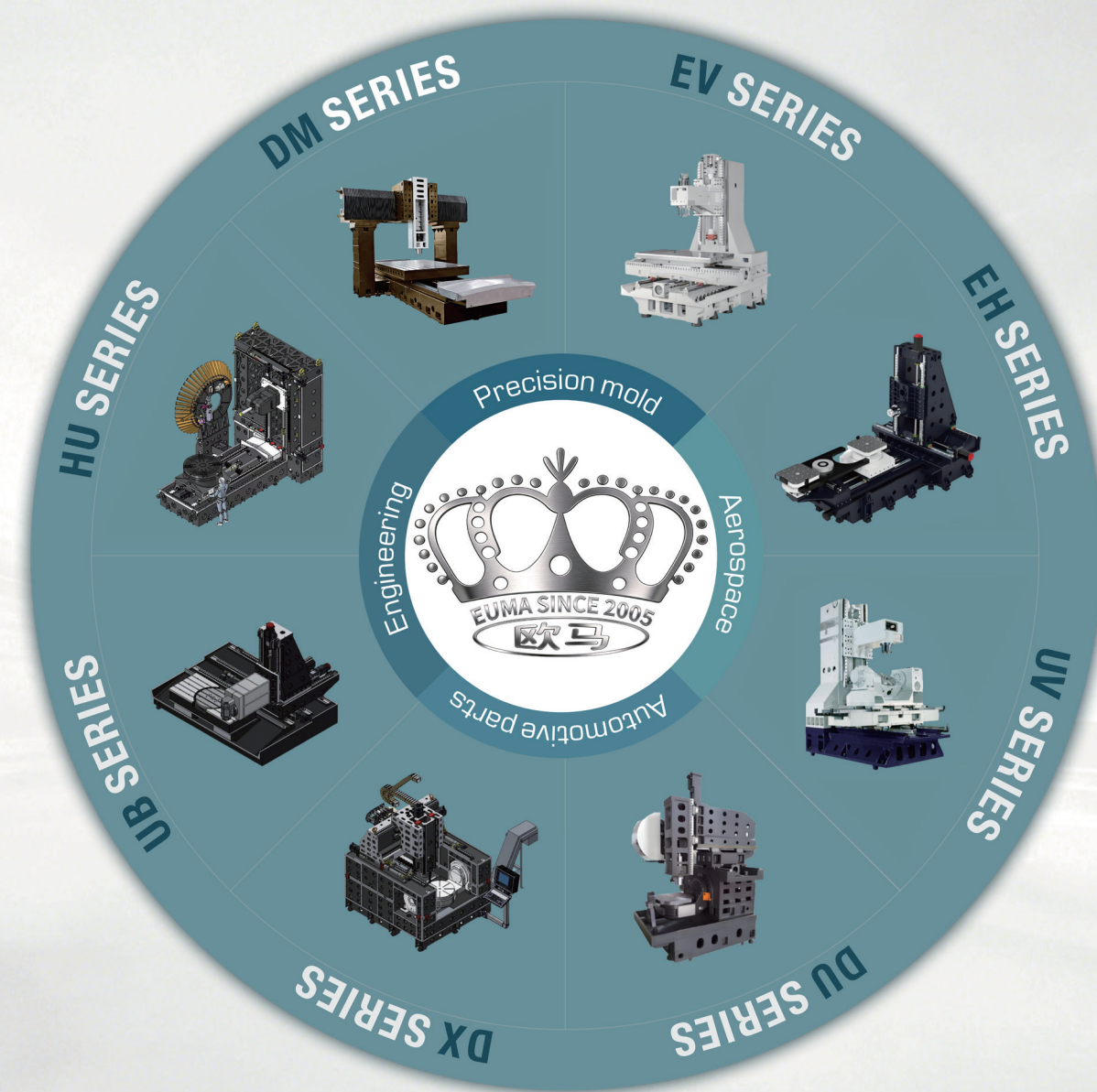


EUMA



WENZHOU EUMA MACHINERY CO. , LTD.

-  No.1 Building 2909, Faith-trust Center, No.1067 Jinxiu Road, Lucheng District, Wenzhou, Zhejiang, China P.C.:325000
-  Tel: +86 577 8823 9930 Mob: +86 139 6883 7667 Justin
-  E-mail: info@eumaseiki.com
-  [Http://www.eumaseiki.com](http://www.eumaseiki.com)



COMPANY PROFILE



Wenzhou EUMA Machinery Co., Ltd. is a high-tech enterprise integrating industry and trade. The company brand EUMASEIKI is dedicated exclusively to the customization of various CNC machining centers with a professional R&D center, a portfolio of patented technologies, as well as professional sales service teams. Our product range covers diverse sectors including precision mold making, aerospace, automotive parts manufacturing, high-end equipment production, shipbuilding and engineering machinery.

Our machines are originated from European design concepts, manufactured adhering to Taiwanese standards and Japanese technologies throughout the entire process of casting, machining, assembly and commissioning. Machine beds adopt mineral castings, whose structures are optimized through finite element analysis. All castings undergo full annealing treatment to eliminate internal stress, and the spindle guideways are subject to high-frequency heat treatment. Key components such as spindles, guideways, bearings and oil pumps are sourced from renowned manufacturers in Taiwan and Japan, while some core components are imported from original brands in Germany or Italy.

The production base is located in Ningbo City. Equipped with advanced imported machinery such as Japanese OKUMA gantry machining centers, KURUKI boring and milling machines, NIIGATA horizontal machining centers, and German ZEISS coordinate measuring machine, the workshop not only ensures the machining precision of our equipment but also provides solid support for trial machining and testing.

Staying true to the original aspiration of high-end manufacturing, Wenzhou EUMA consistently sticks to the principle of "High Precision, High Speed, High Efficiency and High Stability". We focus on high-end 5-axis machine tools to empower China's high-end intelligent equipment manufacturing industry. By keeping pace with the times and the needs of customers, we continuously develop new products, set new benchmarks for the industry, and provide customers with high-valued products and convenient services.

JUSTIN AND EUMA HISTORY

- **2025**
Based on 20 years experienced Taiwan technical team. Joint venture production with CAM. Produce and exclusive sells various 5-axis precision machining centers with brand of EUMASEIKI.
- **2023**
Established Wenzhou EUMA for export trading. Focus on high-end CNC machining centers and turn mill lathe machines.
- **2020**
Trade with Chinese top brands new machine tool. As agent in regional sales with after-sales service.
- **2016**
On-demand production for custom precision parts with various europe and Japan made famous machining centers.
- **2013**
As exclusive authorized agent to sell Italian TRAVISAN machining centers in China. .
- **2008**
Trading with European top brands machine tool. Such as DIXI/STARRAG/HECKERT/DMG/PAMA/JOBS/SKODA.Import,re-assembly,maintenance,upgrating and resale.
- **2005**
Start the heavy duty machine tools trade with Russian market, resale in China.

COMPANY CATALOG

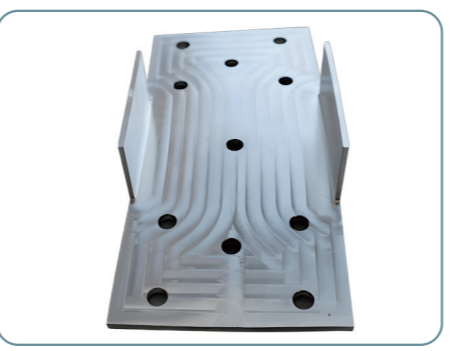
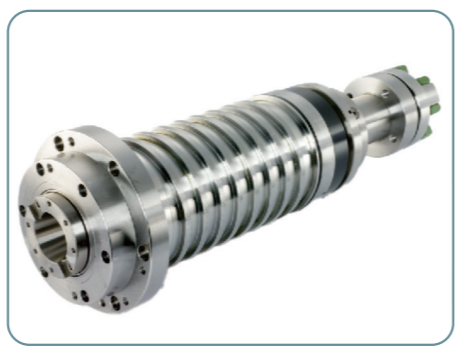
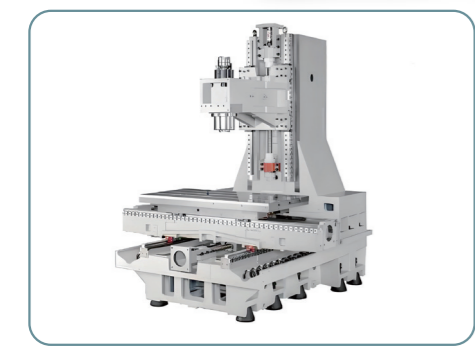
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EV series

3/4 axis Vertical Machining Center

EV-855A
EV-1055A

EV-1165A
EV-1370A



CHARACTERISTICS

Eumaseiki the innovated CNC vertical machining center, is composed of two stationary castings - the base and the column which are both combined with marble mineral materials. Secondary annealing process, longer terms keeping for further eliminate stress, ensuring a prolonged service life. Core components such as spindle, ball screw, guideways are all sourced from high-end products of mainstream brands imported from Taiwan/Japan. The assembly of each machine is carried out by our experienced technicians from Taiwanese enterprises with many years professional experience. Compared to market existing models, our unique 3-axis CNC machining centers can be varied customized featuring higher torque, wider travel range and faster speed. Optionally, it is also can equipped with 4-axis rotary table for 5 face or 5-axis processing. Possessing unparalleled technical characteristics.

- High performance
- High strength
- High rigidity
- High dynamic and thermal stability
- High accuracy for long terms
- High reliability

Specification	unit	EV-855A	EV-1055A	EV-1165A	EV-1370A	Standard Configuration	Option Configuration
X-axis Travel	mm	810	1000	1100	1300	1. Fully enclosed protective cover	1. 32-position tool magazine
Y-axis Travel	mm	550	550	650	720	2. 24-tool magazine	2. Spindle: Belt-driven/Direct-drive/Electric
Z-axis Travel	mm	560	580	650	720	3. Manual pulse generator	3. Spindle speed: 6000/8000/10000/12000/15000rpm
Distance (spindle nose to table)	mm	130-690	120-700	120-770	130-850	4. USB/Ethernet interface	4. Spindle taper: HSK/BT/BBT
Distance (spindle center to column)	mm	595	595	673	735	5. Work lights	5. Internal spindle cooling 20bar/30bar/50bar/70bar
Worktable size	mm	1000x550	1100x550	1300x650	1400x700	6. Pause and work competition indicator lights	6. Italian BF gear reducer
Max. Load on worktable	kg	650	650	900	1000	7. Fault indicator lights	7. Four-axis rotary table
T-slot size (width x distance x number)	mm	18x90x5	18x90x5	18x120x5	18x90x5	8. M30 Automatic power-off system	8. Renishaw TS27R/NC4 tool setter
Spindle taper	type	ISO 40	ISO 40	ISO 40	ISO 40	9. Anchor bolts and foundation blocks	9. Post-processor
Feed rate (X/Y/Z axis)	m/min	48/48/32	48/48/32	36/36/24	36/24/24	10. Transformer (380V - 220V)	10. Automatic door with cylinder
Cutting feed rate (X/Y/Z axis)	mm/min	20000	20000	15000	15000	11. Arm-type tool changer	11. Spindle and ball screw thermal deformation compensation
Ball screw (X/Y/Z axis)	mm	Ø40/16	Ø40/16	Ø40/12	Ø40/12	12. Direct-drive spindle	12. Rotating view window
Linear Guideway	mm	35/45/45	35/45/45	45/45/45	45/55/45	13. Spindle oil cooling system	13. Ultra-precision CO-grade ball screws
Tool shank type	type	BT40	BT40	BT40	BT40	14. Spindle and cutting air blowers	14. Optimized structure, better castings, increased weight
Tool magazine capacity	pcs	24	24	24	24	15. X/Y/Z axis rolling guides (P-class)	15. Oil mist collector
Max. tool dia. (adjacent/no adjacent)	mm	Ø80/Ø150	Ø80/Ø150	Ø80/Ø150	Ø80/Ø150	16. X/Y/Z axis ball screws (C-class)	16. X/Y/Z axis Heidenhain grating scale
Max. tool length	mm	250	250	250	250	17. Cutting coolant system	17. Renisaw workpiece measurement OMP40-2/RMP40
Max. tool weight	kg	8	8	8	8	18. Basic toolbox	18. Spindle circular sprayer
Tool change method	type	arm type	arm type	arm type	arm type	19. Chain-type automatic chip conveyor + trolley	19. Chip conveyor (scraper or spiral type)
Tool change time (tool to tool)	sec.	2	2	2	2	20. Oil-water separator	20. Siemens 828D system
Spindle drive type	-	Belt/ Direct drive	Belt/ Direct drive	Belt/ Direct drive	Belt	21. 10.4-inch color screen	
Spindle speed	rpm	10000/12000	10000/12000	10000/12000	8000	22. Automatic centralized lubrication system	
Main motor power S1/S6 25%	kw	11/18.5	11/18.5	11/18.5	22/33 (22/33)	23. Air gun + coolant gun	
Main motor torque S1/S6 25%	Nm	52.5/118	52.5/118	52.5/118	140/260 (210/380)	24. Electrical cabinet air conditioner	
X/Y/Z axis feeding motor power	kw	3/3/3	3/3/3	3/3/3	3.8/4.9/4.9	25. FANUC Oi-MF CNC system	
X/Y/Z axis feeding motor torque	Nm	20/20/27	20/20/27	20/20/36	18/27/27		
Turning coolant motor power	kw	1.0 + 1.0	1.0 + 1.0	1.0 + 1.0	1.0 + 1.0		
Required air pressure	kg/cm ²	6.5	6.5	6.5	6.5		
Required power	kva	25	25	30	30		
X/Y/Z axis positioning accuracy	mm	0.008	0.008	0.008	0.008		
X/Y/Z axis repositioning accuracy	mm	0.005	0.005	0.005	0.005		
Machine weight	kg	5200	5500	6000	7000		
Machine size	mm	2700x2400x2850	3000x2400x2850	3100x2600x3050	3400x2900x3300		
CNC control	-	FANUC OIMF PLUS	FANUC OIMF PLUS	FANUC OIMF PLUS	SIEMENS 828D		

EV series

3/4 axis Vertical Machining Center

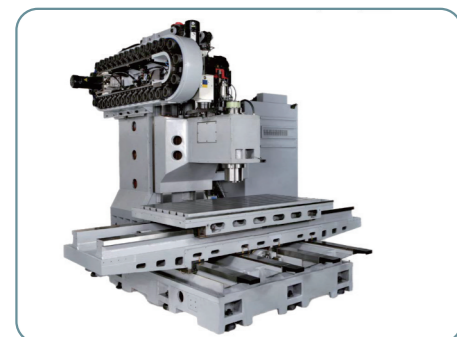
EV-1475B **EV-1680A**
EV-1580B **EV-1890B**



CHARACTERISTICS

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- High accuracy for long terms
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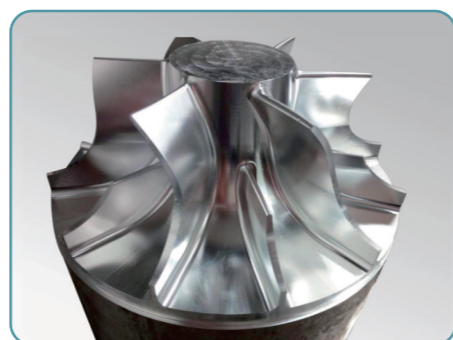
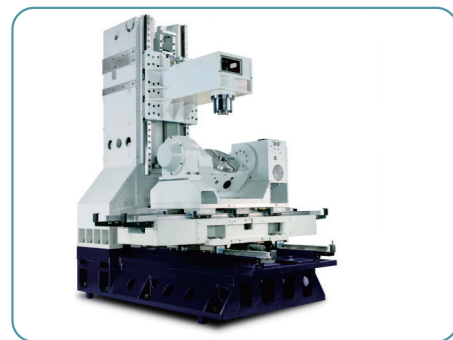
Specification	unit	EV-1475B	EV-1580B	EV-1680B	EV-1890B	Standard Configuration	Option Configuration
X-axis Travel	mm	1400	1500	1600	1800	1. Fully enclosed protective cover	1. 32-position tool magazine
Y-axis Travel	mm	750	800	800	900	2. 24-tool magazine	2. Spindle: Belt-driven/Direct-drive/Electric
Z-axis Travel	mm	750	700	700	800	3. Manual pulse generator	3. Spindle speed: 6000/8000/10000/12000/15000rpm
Distance (spindle nose to table)	mm	150-900	155-855	160-860	150-905	4. USB/Ethernet interface	4. Spindle taper: HSK/BT/BBT
Distance (spindle center to column)	mm	875	855	885	992	5. Work lights	5. Internal spindle cooling 20bar/30bar/50bar/70bar
Worktable size	mm	1500x700	1600x800	1700x800	2000x900	6. Pause and work competition indicator lights	6. Italian BF gear reducer
Max. Load on worktable	kg	1000	1200	1500	1800	7. Fault indicator lights	7. Four-axis rotary table
T-slot size (width x distance x number)	mm	18x100x7	22x110x7	22x110x7	22x125x7	8. M30 Automatic power-off system	8. Renishaw TS27R/NC4 tool setter
Spindle taper	type	ISO 50	ISO 50	ISO 50	ISO 50	9. Anchor bolts and foundation blocks	9. Post-processor
Feed rate (X/Y/Z axis)	m/min	36/24/24	20/20/20	20/20/20	20/20/20	10. Transformer (380V - 220V)	10. Automatic door with cylinder
Cutting feed rate (X/Y/Z axis)	mm/min	10000	10000	10000	10000	11. Arm-type tool changer	11. Spindle and ball screw thermal deformation compensation
Ball screw (X/Y/Z axis)	mm	Ø40/12	Ø50/10	Ø50/10	Ø50/10	12. Direct-drive spindle	12. Rotating view window
Linear Guideway	mm	45/55*4/45	55/45*4/55	55/45*4/55	55/45*4/55	13. Spindle oil cooling system	13. Ultra-precision CO-grade ball screws
Tool shank type	type	BT50	BT50	BT50	BT50	14. Spindle and cutting air blowers	14. Optimized structure, better castings, increased weight
Tool magazine capacity	pcs	24	24	24	24	15. X/Y/Z axis rolling guides (P-class)	15. Oil mist collector
Max. tool dia. (adjacent/no adjacent)	mm	Ø110/Ø220	Ø110/Ø220	Ø110/Ø220	Ø110/Ø220	16. X/Y/Z axis ball screws (C-class)	16. X/Y/Z axis Heidenhain grating scale
Max. tool length	mm	350	350	350	350	17. Cutting coolant system	17. Renisaw workpiece measurement OMP40-2/RMP40
Max. tool weight	kg	15	15	15	15	18. Basic toolbox	18. Spindle circular sprayer
Tool change method	type	arm type	arm type	arm type	arm type	19. Chain-type automatic chip conveyor + trolley	19. Chip conveyor (scraper or spiral type)
Tool change time (tool to tool)	sec.	3	3	3	3	20. Oil-water separator	20. FANUC Oi-MF CNC system
Spindle drive type	-	Belt	Belt	Belt	Belt	21. 10.4-inch color screen	
Spindle speed	rpm	8000	8000	8000	8000	22. Automatic centralized lubrication system	
Main motor power S1/S6 25%	kw	22/33 (22/33)	22/33 (22/33)	22/33 (22/33)	22/33 (22/33)	23. Air gun + coolant gun	
Main motor torque S1/S6 25%	Nm	140/260 (210/380)	140/260 (210/380)	140/260 (210/380)	140/260 (210/380)	24. Electrical cabinet air conditioner	
X/Y/Z axis feeding motor power	kw	3.8/4.9/4.9	3.8/4.9/4.9	3.8/4.9/4.9	3.8/4.9/4.9	25. Siemens 828D system	
X/Y/Z axis feeding motor torque	Nm	18/27/27	18/27/27	18/27/27	18/27/27		
Turning coolant motor power	kw	1.0 + 1.0	1.0 + 1.0	1.0 + 1.0	1.0 + 1.0		
Required air pressure	kg/cm ²	6.5	6.5	6.5	6.5		
Required power	kva	35	35	35	35		
X/Y/Z axis positioning accuracy	mm	0.008	0.009	0.009	0.009		
X/Y/Z axis repositioning accuracy	mm	0.005	0.006	0.006	0.006		
Machine weight	kg	7500	8000	9500	10000		
Machine size	mm	3700x2900x3300	4000x3300x3550	4100x3300x3550	4300x3400x3550		
CNC control	-	SIEMENS 828D	SIEMENS 828D	SIEMENS 828D	SIEMENS 828D		

UV series

Trunnion Table Machining Center

UV 260
UV 320

UV 400



CHARACTERISTICS

EUMASEIKI UV series dynamic, accurate, compact 5-axis machining center is developed base on EV series 3 axis machining center which the cross saddle fixing an 5-axis tilting rotary table, seamlessly operate along both horizontal and vertical rotary table in multiple directions. It is dedicated to drilling, tapping and milling for the production of small and medium series of components for precision mechanics, watchmaking, medical technology, electronics and general mechanics.

- Rigid and stable construction for high speed machining
- Highly compact machine with reduced foot print
- High dynamics and accurate machining
- Fixed structure and 3 linear axes on tools to allow high rigidity and dynamism
- Optimized workpiece volume compared to travels
- High spindle acceleration, feed rate, high acceleration on axes, fast tool changing time
- Chips evacuation integrated in bed structure

Specification	unit	UV-260	UV-320	UV-400
X/Y/Z axis Travel	mm	500/500/450	550/550/500	500/650/400
Distance (spindle nose to table)	mm	40-490	50-550	150-550
Worktable size	mm	Ø260	Ø320	Ø400
C axis rotation angle	degree	360°	360°	360°
A axis rotation angle	degree	-110°~+110°	-110°~+110°	-110°~+110°
A axis motor power/rated torque	-	4.56kw/270Nm	5.7kw/380Nm	15.9kw/780Nm
C axis motor power/rated torque	-	2.6kw/120Nm	4.56kw/150Nm	7.6kw/230Nm
A/C axis speed	rpm	150/200	100/150	100/150
Max. load of the worktable	pcs	60	60	100
T-slot size	mm	12H7/18H7	14H7	14H7
Spindle speed	rpm	12000	12000	12000
Spindle taper	-	ISO40	ISO40	ISO40
Fast feed speed (X/Y/Z axis)	m/min	24/24/24	24/24/24	24/24/24
Cutting feed speed (X/Y/Z axis)	mm/min	1-12000	1-12000	1-12000
Tool shank	-	BT40	BT40	BT40
Tool magazine	pcs	24	24	24
Maximum tool diameter	mm	Ø76/Ø150	Ø76/Ø150	Ø76/Ø150
Maximum tool length	mm	250	250	250
Maximum tool weight	kg	8	8	8
Tool changing method	-	arm type	arm type	arm type
Tool changing time (tool to tool)	sec.	1.5	1.5	1.5
Main motor power (S1-S6-40%)	kw	11/20	11/20	11/20
Spindle torque (S1-S6-40%)	Nm	52.5/95.5	52.5/95.5	52.5/95.5
X/Y/Z axis feed motor power	kw	2.0/3.0/3.0	3.0/3.0/3.0	3.0/3.0/3.0
Cutting coolant motor power	kw	0.75+0.75	0.75+0.75	0.75+0.75
Air pressure requirement	kg/cm ²	6	6	6
Required power capacity	kva	30	30	30
X/Y/Z positioning accuracy VDI3441	mm	0.007	0.007	0.007
X/Y/Z repositioning accuracy VDI3441	mm	0.005	0.005	0.005
A axis (tilting) / C axis rotating division accuracy VDI3441	sec.	±20/±20	±20/±20	±10/±10
A/C axis repeat positioning accuracy VDI3441	sec.	±4/±4	±4/±4	±4/±4
Machine size	mm	2000x2400x2300	2500x3150x2900	2700x4000x2900
Machine weight	kg	4200	5200	7800
CNC control	-	SYNTEC220MA-5	SYNTEC220MA-5	SYNTEC220MA-5

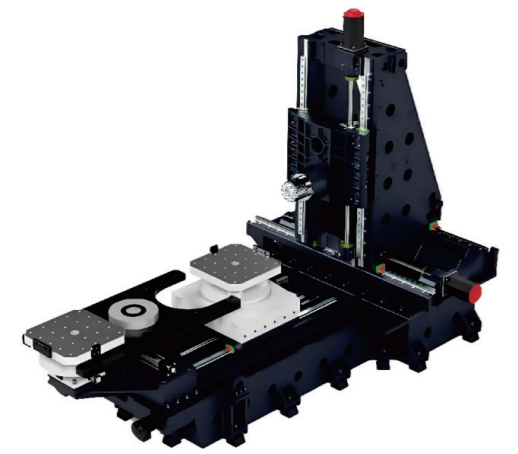
Standard Configuration	Option Configuration
1. SYNTEC 220MA-5	1. Siemens ONE system
2. Arm type automatic 24-tool magazine	2. A/C axis circle encoder
3. Spindle speed 12000rpm BT40	3. Tool setter Renishaw TS27R/NC4
4. Cutting coolant system	4. Rotating window
5. Spindle blowing device	5. Workpiece measurement Renishaw RMP40/60
6. Cleaning spray gun	6. X/Y/Z axis grating scale
7. Manual pulse generator	7. Spindle inner coolant 20/40/50/70bar
8. Work light	8. Oil mist collector
9. Mechanical abnormal status indicator light	9. Automatic door
10. Adjustment horizontal bolts and base block	10. Oil-water separator
11. Air gun / Coolant gun	
12. Chip conveyor + cart	
13. Tool measurement	
14. Spindle oil cooling	
15. Fully enclosed protective cover	
16. A/C axis Ø260mm 5-axis tilting rotary table	
17. 3 axis linear roller guideway	
18. Automatic centralized lubrication system	
19. Chip flushing device	
20. Electrical cabinet air conditioner	
21. AC220V interface and USB interface	
22. Pause and completion indicator light	
23. Basic tool box	
24. Workpiece measurement	
25. Transformer	
26. A/C axis time scale	

EH series

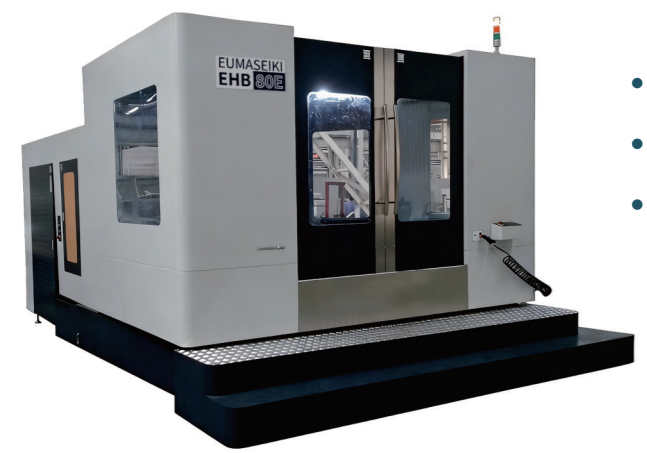
4-axis Horizontal Machining Center

EH-500
EH-630

EH800S
EH1000S



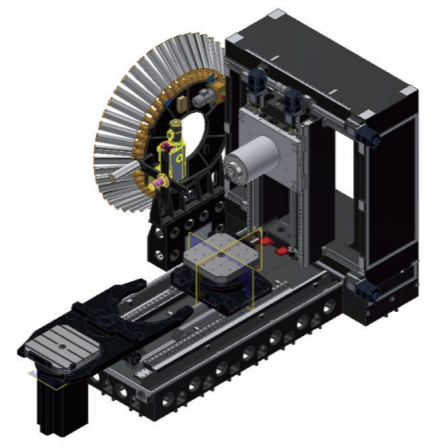
- **EH50/EH63**
- High performance
- High strength
- High rigidity



- High dynamic and thermal stability
- High accuracy for long terms
- High reliability

CHARACTERISTICS

EUMASEIKI CNC horizontal machining center is a highly productive machine for complex parts machining like molds, dies, boxes and valve body types components which the material can be made of steel, cast iron or light metal alloys. The unique T-shaped structure could equip by single or double pallets with the 3 mutually perpendicular coordinate axes X, Y, Z to form a fully closed-loop processing for drilling, boring, reaming and tapping operations whether it need high-speed or high-torque cutting, from mass production to small batch production. It is characterized as high dynamic and thermal stability for high precision machining in the foundry, plastics, automotive and aerospace industries.



- **EH80S/EH100S/EH125S**



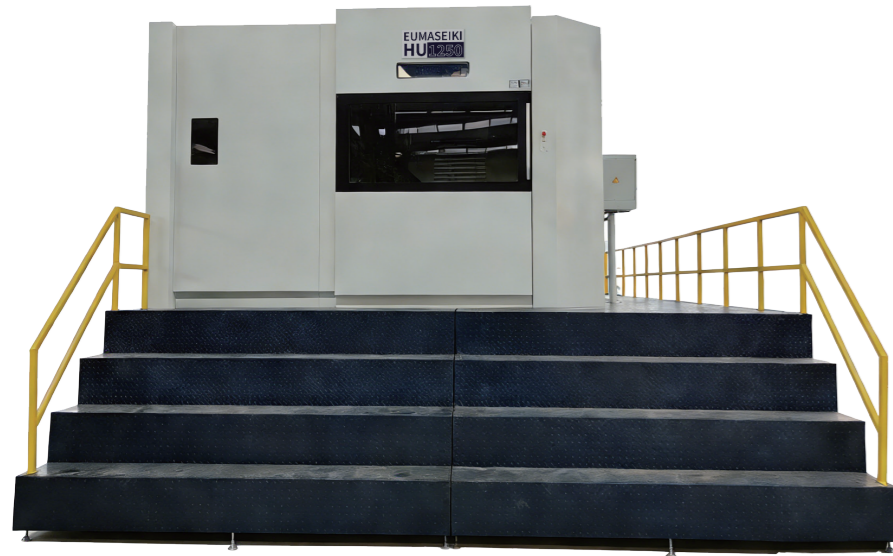
Specification	unit	EH-500	EH-630	EH-800S	EH-1000S	Standard Configuration	Option Configuration
X-axis travel (column transverse left and right)	mm	800	1050	1400	1700	1. Fully enclosed protective cover	1. X/Y/Z axis grating scale
Y-axis travel (spindle head up and down)	mm	700	900	1200	1400	2. Automatic tool magazine + control panel	2. CO/C1 ultra high accuracy ball screw
Z-axis travel (worktable forward and backward)	mm	680	1000	1350	1500	3. 3 axis THK/PMI linear roller guideway	3. Chip flushing system
Minimum 3 axis resolution	mm	0.001	0.001	0.001	0.001	4. Cutting coolant system	4. Oil mist collector
Distance from spindle end to NC worktable (vertical)	mm	90-790	100-1000	100-1450	250-1750	5. Spindle blowing device	5. Renishaw RMP40/60 workpiece measurement system
Distance from spindle to NC worktable (horizontal)	mm	60-740	100-1100	50-1250	100-1500	6. Spindle oil lubrication system	6. Two way/four way oil distributor for worktable
B-axis workable surface size	mm	2-500x500	2-630x630	2-800x800	2-1000x1000	7. Manual pulse generator	7. One-year spare parts
B-axis worktable center hole diameter	mm	/	Ø55H7	Ø50H7	Ø50H7	8. Work lights	8. BF gearbox
B-axis worktable maximum rotation diameter	mm	Ø950*2	Ø1010	Ø1450	Ø1300	9. Fault indicator light	9. UP class linear guideway
B-axis minimum division degree/Rotation angle	deg	0.001/0~360	0.001/0~360	0.001/0~360	0.001/0~360	10. Basic tool box	10. Spindle inner coolant
B-axis worktable maximum load capacity	kg	600	1200	2000	2000	11. Automatic chain chip conveyor + cart	11. Rotating window
Spindle speed	rpm	10000	6000	6000	6000	12. FANUC Oi MF plus with 15" screen	12. Renishaw laser tool setter NC4/TS27R
Spindle taper	-	BT40	SK50	SK50	BT50	13. Spindle oil cooler	13. Emulsion paper bag filter
Fast feed rate (X/Y/Z)	m/min	24	30/30/30	30/30/30	20/20/20	14. 3 axis C3 high precision ball screw	
Cutting feed rate (X/Y/Z)	mm/min	1-10000	1-10000	1-10000	1-10000	15. Automatic centralized lubrication	
Tool holder type	-	BT40	SK50	SK50	BT50	16. High pressure water gun + air gun	
Tool magazine capacity	pcs	60	40	60	45	17. Electrical cabinet air conditioner	
Minimum tool diameter	mm	Ø95	Ø125/Ø250	Ø125/Ø250	Ø125/Ø250	18. USB interface, Ethernet port	
Maximum tool length/weight	-	300mm/8kg	300mm/25kg	550mm/25kg	550mm/25kg	19. Pause and work completion light	
Tool changing method/ changing time (tool to tool)	-	arm type/5 sec.	arm type/5 sec.	arm type/6 sec.	arm type/ 7.6 sec.	20. Automatic power cut-off M30	
Spindle power	kw	11/15 (S1/S6 25%)	15/18.5 (S1/S3 60%)	22/26 (S1/S3 60%)	30/37 (S1/S6 60%)	21. Leveling bolts and foundation blocks	
Spindle torque	Nm	52.5/95.5 (S1/S6 25%)	143/236 (S1/S3 60%)	140/223 (S1/S3 60%)	249/307 (S1/S6 60%)	22. Oil-water separator	
Spindle torque with BF reduction gearbox	Nm	/	/	420/669 (S1/S3 60%)	789/973 (S1/S6 60%)	23. Noise level less than 80dB in operation	
X/Y/Z axis feed motor power	kw	3/3/3	3/3/3	4.3x2/4.3x2/5.2	4.3x2/5.2/5.2	24. Axis position accuracy in accordance with VDI/DGQ3441	
X/Y/Z axis feed motor torque	Nm	27/27/27	36/36/36	27x2/27x2/36	27x2/36/36		
Cutting coolant motor power	kw	1+1	1.51+1.51	1.51+1.51	1.51+1.51		
Water tank capacity	L	600	600	600	600		
Air pressure require / Hydraulic station pressure	kg/cm ²	6/70	6/70	6/70	6/70		
Required power capacity	kva	50	50	120	125		
X/Y/Z axis positioning / repositioning accuracy	mm	0.005/0.003	±0.008/±0.006	0.01/0.006	0.012/0.008		
B axis positioning accuracy/repositioning accuracy	"	15/±4	15/±4	15/±4	15/±4		
Machine size	mm	3000x3300x3200	3500x7100x3200	7100x4000x3700	9100x5500x3900		
Machine weight	kg	9000	22000	27000	35000		
CNC control	-	FANUC Oi-MF	FANUC Oi-MF	FANUC Oi-MF	FANUC Oi-MF		

HU series

5-axis Horizontal Machining Center

HU-1250
HU-1600

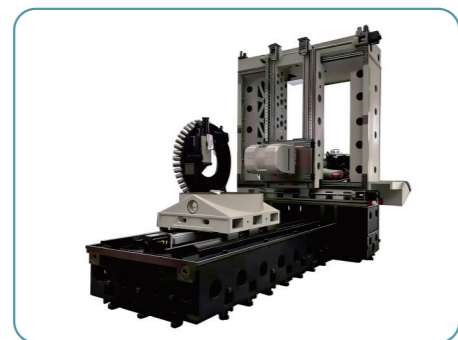
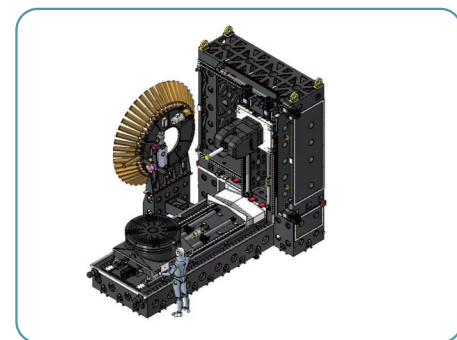
HU-1400



CHARACTERISTICS

The EUMASEIKI HU series universal 5-axis horizontal machining center is in the highly stable European design concepts with maximum precision, performance and efficiency allow the highest machining performance and maximum precision with high dynamics. Complete machining with milling and turning on one machine in on set-up. NC-controlled swiveling milling head as A axis for 5-sided machining and simultaneous 5-axis milling. From hard-to-cut materials such as those found in the aerospace sector, to the highest requirements for surface quality such as in tool and mould making.

- Higher stiffness thanks to box in box European design concept
- Wide linear guides and large drives
- Various technology integration possible: Milling, turning, gear cutting
- Full cooling of the axis drives, Comprehensive cooling measures
- A-axis with gears or DD motor, max torque up to 5000Nm
- Table size from 1250mm to 1600mm, loading weight up to 6 tons
- Maximum productivity through complete machining on one machine



Specification	unit	HU1250	HU1400	HU1600	Standard Configuration	Option Configuration
X/Y/Z axis travel (minimum resolution 0.001)	mm	1660/1600/1600	1660/1210/1300	2200/1900/2200	1. Fully enclosed protective cover	1. X/Y/Z axis HEIDENHAIN grating scale
Distance from spindle end to CNC worktable (vertical)	mm	100-1700	150-1360	-190-1710	2. Coolant thermostatically controlled and equipped with a temperature sensor	2. Oil mist and dust collection device
Distance from spindle to CNC worktable (horizontal)	mm	0-1600	100-1310	100-2000	3. Spindle air blowing device	3. Workpiece measuring & tool setting cycles
Max. workpiece height/spindle center above CNC table	mm	1300/30	1000/30	1500/30	4. High-pressure water & air supply unit	4. Machine condition monitoring system
B-axis table size/B axis central hole diameter	mm	Ø1250/Ø180	Ø1400/Ø180	Ø1600/Ø180	5. USB interface, Ethernet port	5. Renishaw NC4 laser tool-setting sensor
Width of T-slot on B-axis worktable/max load	mm	24H8/3000	24H8/4000	24H8/6000	6. Fault/stop/completion indicator light	6. Spindle center water release system 40bar
B-axis worktable maximum rotation diameter	mm	Ø1500	Ø1550	Ø1850	7. SIEMENS ONE System with 15 inch monitor	7. Rotating reviewing window
B-axis minimum division degree/Rotation angle	deg	0.001/0~360	0.001/0~360	0.001/0~360	8. HEIDENHAIN RCN2511 optical grating along A-axis/minimum division 0.001°	8. RTCP 5-axis communication detection and correction cycle program
A-axis rotation angle/Minimum division	deg	±110/0.001	±110/0.001	±110/0.001	9. X/Y/Z-axis linear ball guide (Japan) THK	9. PLC data interface for automated manufacturing system with OPC-UA license
Spindle speed / Spindle taper	-	3000rpm/ISO 50	3000rpm/ISO 50	3000rpm/ISO 50	10. HEIDENHAIN RCN2310B	10. 3D machine model, VERICUT simulation & corresponding UGCAM post-process files
Fast feed rate (X/Y/Z)	m/min	36/36/36	36/36/36	36/36/30	11. Coolant level warning and sound alert	11. Oil-water separation system device
Cutting feed rate (X/Y/Z)	mm/min	1-10000	1-10000	1-10000	12. Spindle thermal compensation and direct cooling lubrication system	12. Tool magazine with automatic tool break detection
Tool magazine capacity / Tool holder type	pcs	45/BT50	45/BT50	45/BT50	13. Refrigeration A/C electrical unit	13. OMATIVE adaptive processing software
Minimum tool diameter (adjacent/without adjacent)	mm	Ø110/Ø200	Ø110/Ø200	Ø110/Ø200	14. Work area lighting	14. Renishaw RMP60 linear measure system
Maximum tool length/weight	-	350mm/20kg	350mm/20kg	350mm/20kg	15. Automatic energy switch M30	
Tool changing method/ changing time (tool to tool)	-	arm type/5 sec.	arm type/5 sec.	arm type/6 sec.	16. Automatic chip removal and collection	
Spindle power (S1/S6 25%)	kw	22/41.8	22/41.8	22/41.8	17. 45-tool ATC with tool arm	
Spindle torque (S1/S6 25%) with gear box	Nm	840/1596	840/1596	840/1596	18. External cutting coolant system 4bar	
X/Y/Z axis feed motor power	kw	4.4x2/4.4x2/8.2	4.4x2/4.4x2/8.2	4.4x2/4.4x2/8.2	19. Automatic centralized lubrication system	
X/Y/Z axis feed motor torque	Nm	36x2/36x2/48	36x2/36x2/48	36x2/36x2/48	20. Chip cleaning device	
A-axis feed motor	/	3.1kw, 3987/5000Nm	3.1kw, 3987/5000Nm	3.1kw, 3987/5000Nm	21. Manual pulse generator	
A-axis locking torque	Nm	6000	6000	6000	22. Tool magazine side control panel	
A-axis speed/distance from A axis to swing axis	-	10rpm/270mm	10rpm/270mm	10rpm/270mm	23. Leveling bolts & support blocks / tool box	
B-axis feed motor	-	37.7kw/6000Nm	37.7kw/6000Nm	37.7kw/6000Nm		
B-axis locking torque/B-axis speed	-	10000Nm/10rpm	10000Nm/10rpm	10000Nm/10rpm		
Reduced engine coolant power/coolant tank capacity	-	1.51+1.51kw/600L	1.51+1.51kw/600L	1.51+1.51kw/600L		
Air pressure require / Hydraulic station pressure	kg/cm ²	6/70	6/100	6/100		
Required power capacity	kva	90	90	90		
X/Y/Z axis positioning / repositioning accuracy	mm	0.008/0.005	0.008/0.005	0.01/0.006		
A/B axis positioning accuracy/repositioning accuracy	"	8/4	10/6	10/6		
Table axial end&radial runout /5-axis linked RTCP precision	mm	0.02/±0.025	0.02/±0.025	0.02/±0.025		
Machine size	mm	4800x5500x5200	5900x5400x4500	10600x6500x5200		
Machine weight	kg	33000	33000	52000		
CNC control	-	SIEMENS ONE	SIEMENS ONE	SIEMENS ONE		

DU series

5-axis Vertical Machining Center

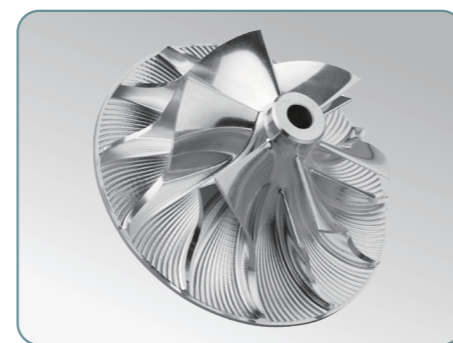
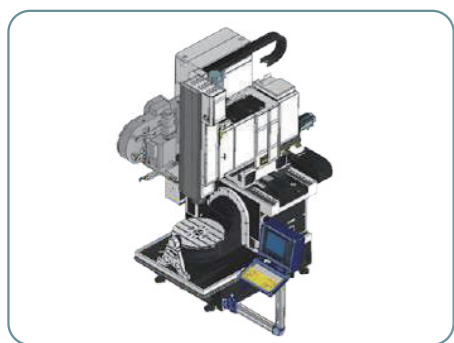
DU5-500
DU5-650



CHARACTERISTICS

EUMASEIKI BC axis 5-axis vertical machining center is a modern and classic 5-axis milling machine due to the European well-thought compact design, universally applicable, user-friendly. Perfect accessibility all the components and maximum flexibility the 5-axis precision machining at excellent rigidity and highly dynamic accuracy. The rotary tilting table size at 500mm and 650mm, driven with torque motor and integrated along the X-axis perfectly for quick 5-axis simultaneous milling to achieving high-speed and high-precision machining of complex parts.

- Marble mineral bed body, more stable structure, ensuring long-lasting high-precision processing.
- Small footprint, large workspace, convenient access to workpieces
- Adopting a hydraulic rotating shaft tightening method provides greater clamping force
- B-axis DO range motor, ±120° motion provides a larger machining range
- Larger roller guideway provide bigger load-bearing capacity
- The overall cast iron bed is analyzed using finite element analysis (FEA)
- Adopting the German VDI-3441 standard inspection standard to maintain sufficient accuracy reserve
- 12000rpm direct drive spindle, 15000rpm imported electric spindle for choice
- Larger protective doors make it easier to load/unload workpieces
- CO/C1 high-precision ball screw, UP grade guideway, high-precision machining

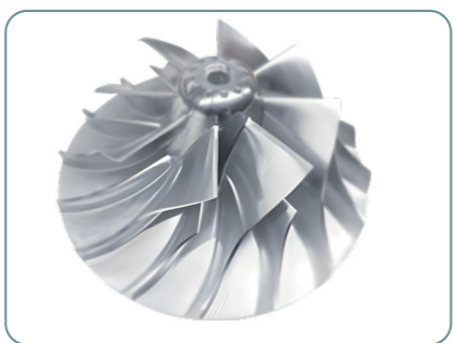
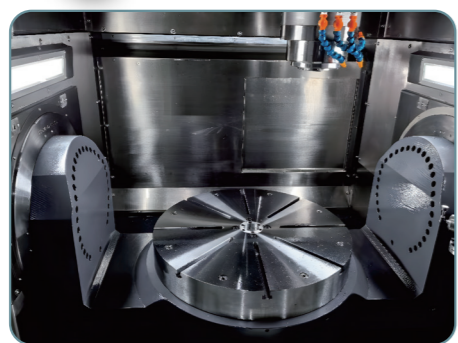
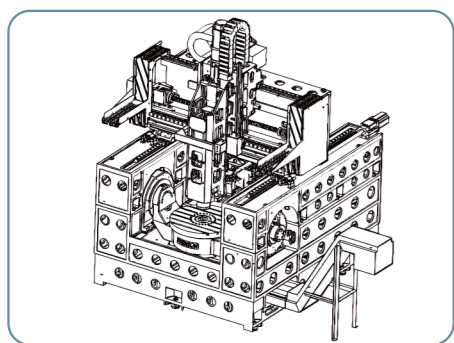


Specification	unit	DU-500	DU-600	DU-650	DU-650	Standard Configuration	Option Configuration
X/Y/Z axis travel	mm	520/450/420	520/450/420	620/520/460	620/520/460	1. SIEMENS ONE 5-axis simultaneous	1. Renishaw tool measurement TR27S/NC4
B/C axis swing range (drive mode: direct)	degree	±120/360 (0.001)	±120/360 (0.001)	±120/360 (0.001)	±120	2. Full protective cover/safety door lock	2. Renishaw workpiece measurement device RPM/OMP40
Distance from spindle to worktable	mm	150-570	150-570	150-610	150-610	3. Automatic tool magazine 32 tool position	3. German Kessler Eletrical spindle 15000rpm
Worktable size/max. working space	mm	Ø500/540*R480	Ø500/540*R480	Ø650/880	Ø650/880	4. X/Y/Z axis C3 ball screw/ roller guideway	4. CO/C1 ultra high accuracy ball screw
T-slot width * number	-	6-12H8	6-12H8	5-14H8/H11	5-14H8/H11	5. X/Y/Z HEIDENHAIN grating scale	5. Oil mist collector
Max. load weight	kg	200	200	300	300	6. B/C axis HEIDENHAIN circle encoder	6. Spindle inner coolant 20/30/50/70bar
B/C axis Maximum speed	rpm	60/100	60/100	60/100	60/100	7. B/C axis water cooling device	7. Automatic door
B/C axis rated torque	Nm	335/106	335/106	2000/596	2000/596	8. Cutting coolant system	8. Rotating window
B/C axis Maximum torque	Nm	1680/840	1680/840	3500/990	3500/990	9. Chip conveyor + chip collector	9. Magnetic separation chip conveyor
Maximum spindle speed/spindle taper (direct spindle)	rpm	15000/HSK-A63	15000/HSK-A63	15000/HSK-A63	15000/HSK-A63	10. Air gun + water gun	10. Anti-collision system
Direct spindle power (S1/S6 40%)	kw	16.8/23.5	18/25.2	16.8/23.5	18/25.2	11. Automatic central lubrication system	11. Shopmill
Direct spindle output torque (S1/S6 40%)	Nm	53/100	82/118	53/100	82/118	12. Hydraulic station system	12. NX Post-processor
Electrical spindle speed / spindle taper	rpm	15000/HSK-A63	20000/HSK-A63	15000/HSK-A63	20000/HSK-A63	13. Oil-water separator	13. 5 axis coordinate conversation vector measurement and correction
Electrical spindle power	kw	36/50 (S1/MAX)	31/37.2 (S1/S6 60%)	36/50 (S1/MAX)	31/37.2 (S1/MAX)	14. Spindle blowing device	14. Top full cover
Electrical spindle output torque	Nm	159/220 (S1/MAX)	100/120 (S1/S6 60%)	159/220 (S1/MAX)	100/120 (S1/MAX)	15. Portable electronic handwheel	
X/Y/Z axis rapid movement speed	m/min	42	42	42	42	16. USB and DNC Ethernet interface	
X/Y/Z axis feed motor power	kw	3.1/4.29/4.29	3.1/4.29/4.29	3.1/4.29/4.29	3.1/4.29/4.29	17. Cabinet air conditioner	
Max. tool length/weight	-	300mm/8kg	300mm/8kg	300mm/8kg	300mm/8kg	18. Marble mineral casting body	
Max. tool diameter	mm	Ø75/Ø150	Ø75/Ø150	Ø75/Ø150	Ø75/Ø150	19. Work light / 3-color light	
Cutting coolant motor power	kw	1.0+1.0	1.0+1.0	1.0+1.0	1.0+1.0	20. Automatic power cut M30	
Air pressure requirement	kg/cm ²	5-8	5-8	5-8	5-8	21. Leveling bolts & support blocks	
Coolant pump pressure	bar	4	4	4	4	22. Basic Tool box	
Water tank capacity	L	180	180	240	240		
Required power capacity	kva	50	50	65	65		
X/Y/Z axis positioning / repositioning accuracy	mm	0.008/0.005	0.008/0.005	0.008/0.004	0.008/0.004		
B/C axis positioning accuracy/repositioning accuracy	"	10/4	10/4	10/4	10/4		
Machine size	mm	2840x3000x2900	2840x3000x2900	2850x3354x2995	2850x3354x2995		
Machine weight	kg	6000	6000	6800	6800		
CNC control	-	SIEMENS ONE	SIEMENS ONE		SIEMENS ONE		

DX series

Gantry Cradle 5-axis Machining Center

DX-630
DX-800



CHARACTERISTICS

EUMASEIKI A/C axis CNC 5-axis machining center originating from European design concepts, is a multifunctional machining center with upper gantry-type and trapezoid structure of crossbeam design. Excellent rigidity frame body, swing table dual arm support. Both torque motor controlled A/C axis tilting table size 630/800mm, Direct drive or electrical spindle is both available to make heavy cutting and high dynamic accuracy 5-axis milling and turning operation for complicated technologically demanding workpieces. It is intended for production of metallic parts like pressing, plastic making, automotive and aviation industry.

- High accuracy at machining
- Easy loading of big workpieces
- Favourable ratio machine area/workpiece size
- Machining in 5-axes
- Milling and turning technology
- High dynamics and temperature stability

Specification	unit	DX-630	DX-800
X/Y/Z axis travel	mm	700/700/500	800/900/620
Max. swing diameter of worktable	mm	800	800/1000
Max. load on worktable	kg	800	850/1200
Distance (spindle nose to worktable)	mm	120-620	120-740
Worktable surface diameter/T-slot size	mm	Ø630/14H8	Ø800/14H8
Direct drive spindle speed	rpm	15000/HSK A63 KENTURN	15000/HSK A63 KENTURN
Direct spindle main motor power (S1/S6-40%)	kw	22/33	22/33
Direct spindle main motor torque (S1/S6-40%)	Nm	140/260	140/260
Electrical spindle speed	rpm	20000/HSK A63 CELLS	20000/HSK A63 CELLS
Electrical spindle motor power	kw	31/37 (S1/S6 60%)	31/37 (S1/S6 60%)
Electrical spindle motor torque	Nm	100/120 (S1/S6 60%)	100/120 (S1/S6 60%)
X/Y/Z axis rapid traverse speed	m/min	36/36/36	36/36/36
X/Y/Z axis cutting feed speed	mm/min	1-20000	1-20000
X/Y/Z axis feed motor power	kw	4.3/3.1x2/4.3	4.3/3.1x2/4.3
A-axis travel (tilting axis)	degree	±120 single drive	±120 double drive
C axis travel (rotary axis)	degree	360	360
A/C axis speed	rpm	60/100	60/100
A/C axis motor power	kw	6.3/8.11	15x2/15
A/C axis rated torque	Nm	1290/600	2000x2/1800
A/C axis maximum torque	Nm	2400/1100	3900x2/2230
Tool capacity / tool change time (tool to tool)	pcs	40pcs, 5sec.	40pcs, 5sec.
Max. tool diameter	mm	Ø75/Ø120	Ø75/Ø120
Max. tool length/weight	-	300mm/8kg	300mm/8kg
Air pressure requirement	kg/cm ²	6	6
Coolant pump pressure	bar	4	4
Water tank capacity	L	250	300
Coolant motor power	kw	1.0+1.0	1.0+1.0
Air pressure flow rate	L/min	500	500
Required power capacity	kva	60	90
X/Y/Z axis positioning / repositioning accuracy	mm	0.008/0.004	0.008/0.004
B/C axis positioning accuracy/repositioning accuracy	"	10/4	10/4
Machine size	mm	5200x3300x3400	5500x3600x3750
Machine weight	kg	16000	23000
CNC control	-	SIEMENS ONE	SIEMENS ONE

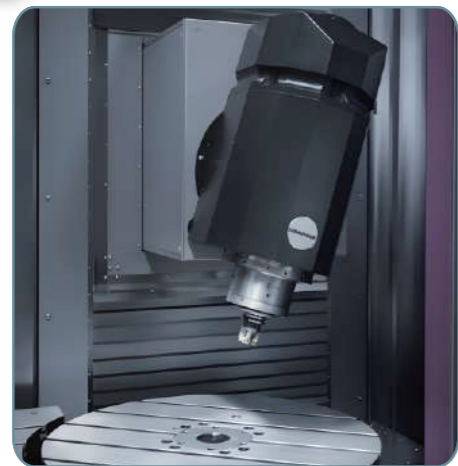
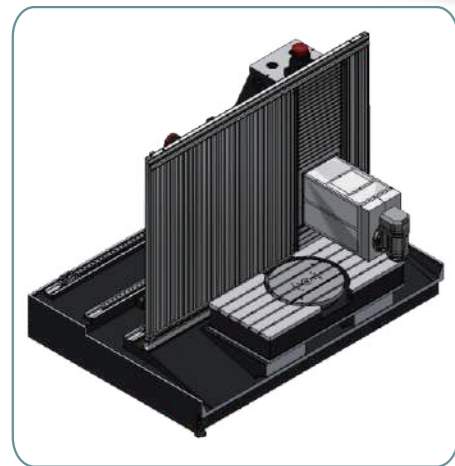
Standard Configuration	Option Configuration
1. SIEMENS ONE with 15 inch color screen	1. 80 tool magazine
2. Full protective cover/safety door lock	2. Tool setter: Renishaw TS27R/NC4
3. Automatic tool changer with 40 tools	3. Workpiece measurement Renishaw OPM40/OPM60/RMP40/RMP60
4. THK/PMI linear roller guideway / ball screw	4. Spindle internal coolant 20/40/70bar
5. A/C tilting table torque motor with dual drive	5. Anti collision system
6. A/C axis HEIDENHAIN circular encoders	6. Spindle & screw temperature compensation
7. Spindle oil cooling / spindle water cooling	7. Magnetic separator
8. A/C axis water cooling device	8. Oil mist collector
9. Cutting coolant system	9. Top fully enclosed structure
10. Chip flushing device	10. Tool identification system (RFID function)
11. Oil water separator	11. Rotating window
12. Chain plate automatic chip conveyor+cart	12. Automatic door
13. Cutting fluid cleaning spray gun and air gun	
14. Automatic centralized lubrication system	
15. Hydraulic station system	
16. Spindle air blow device	
17. Manual pulse generator	
18. RS232C, USB, and DNC Ethernet interface	
19. LED work indicator light	
20. 3-color light	
21. Automatic power-off (M30)	
22. Basic toolbox	
23. Electrical cabinet air conditioner	
24. Leveling bolts and foundation blocks	
25. XYZ axis linear grating scale	
26. One-year spare parts supply	

UB series

Swivel Head 5-axis Machining Center

UB 1300C
UB 2000C

UB 1800C



CHARACTERISTICS

Eumaseiki travelling column swivel head with insert C-axis rotary table high-speed 5-axis CNC machining center offers maximum flexibility and maximum the table versatility to use the extra table space for secondary operations or 3-axis work, Capacity to machine a wide range of size and shapes in various materials. The flexible working area with travel distances of max. reach to 2,000mm in the X-axis, 900mm in the overhanging Y-axis and 800mm in the Z-axis. 5-axis simultaneous working with the powerful B-axis milling head and the integrated C-axis to achieve perfect operation performance. Eumaseiki technology resulting in the fastest cut with the best surface finish. A very suitable machine for production in various sectors such as Aerospace, Energy, Automotive etc.

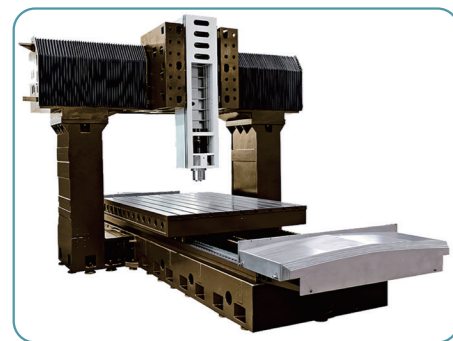
- Flexible modular construction and ergonomic, attractive design
- Available as 3, 4 or 5 axes version
- High-performance motor spindle
- Rigid linear roller guides size 55 (X-axis)
- Ultra high accuracy ball screws on the 3 axis, precise and quiet operation
- Integrated round table and B-axis with torque motors
- Flexible configuration of tool magazine systems
- State-of-the-art control systems SIEMENS One and HEIDENHAIN TNC 640

Specification	unit	UB1300C	UB1800C	UB2000C	Standard Configuration	Option Configuration
X/Y/Z axis travel	mm	1300/560/560	1800/900/800	2000/900/800	1. Fully dynamic column structure design	1. Spindle inner coolant 20/40/70 bar
Distance (spindle nose to table)	mm	100-660	100-900	100-900	2. C-axis circular encoder (HEIDENHAIN)	2. Renishaw workpiece measuring device
Distance (spindle center to table)	mm	269.5-829.5	269.5-1069.5	269.5-1069.5	3. Cutting fluid cleaning spray gun and air gun	RPM40/RPM60
Rectangular table size/max. load	-	1500x560mm/1500kg	2000x900mm/2000kg	2500x900mm/3500kg	4. Fully enclosed cover	3. Renishaw tool setter NC4/TS27R
T-slot dimension	mm	14x100x5	22x150x5	18x150x5	5. Electric spindle water cooling device	4. Oil mist collector
Spindle taper /Spindle speed	-	HSK-A63/12000rpm	HSK-A63/12000rpm	HSK-A63/12000rpm	6. Worktable lighting / 3 color light	5. Rotating window
Main motor power (S1/S6-40%)	kw	25.1/33.9	25.1/33.9	25.1/33.9	7. Automatic 40-tool magazine	6. Heidenhain iTNC640 (5-axis linkage)
Main motor torque (S1/S6-40%)	Nm	79.9/107.9	79.9/107.9	79.9/107.9	8. B-axis water cooling system device	7. Center calibration system (including
B axis spindle heat tilt angle/minimum indexing	degree	-120~+120/0.001	-120~+120/0.001	-120~+120/0.001	9. Taiwan electric spindle	RENISHAW probe OMP60 + standard
B axis speed (Heidenhain encoder circular grating)	rpm	50	50	50	10. C-axis water cooling system device	measuring ball + measurement software)
B axis continuous torque/maximum torque	Nm	580/1160	580/1160	580/1160	11. Automatic power-off on M30	8. NX post-processing
B axis braking torque (50bar oil pressure)/feed motor power	-	2400Nm/4.4kw	2400Nm/4.4kw	2400Nm/4.4kw	12. THK/PMI linear roller guides	9. Fully enclosed telescopic upper cover
C axis worktable diameter / rotation angle	-	Ø500mm/360°	Ø500mm/360°	Ø500mm/360°	13. Cutting coolant system/chip flush device	
C axis worktable rotation speed (DD motor)/max.load	-	100rpm/300kg	80rpm/1800kg	80rpm/1800kg	14. Manual pulse generator	
C axis max.torque/rated torque	Nm	275/145	3600/2000	3600/2000	15. PMI/HIWIN C1-grade ball screws	
X/Y/Z axis rapid movement speed	m/min	36/36/32	24/30/30	20/30/30	16. Oil-water separator	
X/Y/Z axis cutting speed	mm/min	1~10000	1~10000	1~10000	17. 2 USB ports, and Ethernet interface	
X/Y/Z axis feed motor power	kw	4.3/4.3/4.3	7.7/5.2/5.2	7.7/4.4/4.4	18. Rectangular worktable (fixed worktable)	
Max. tool diameter	Nm	27/27/27	48/36/36	48/36/36	19. Automatic centralized lubrication system	
Tool magazine capacity/tool change time (tool to tool)	-	40pcs/5sec.	40pcs/5sec.	40pcs/5sec.	20. Electrical cabinet air conditioner	
Max. tool diameter (HSK-A63)	mm	Ø76/Ø150	Ø76/Ø150	Ø76/Ø150	21. B-axis circular encoder (HEIDENHAIN)	
Max. tool length / weight	-	300mm/8kg	300mm/8kg	300mm/8kg	22. Spindle air blowing device	
Cutting coolant pump motor power	kw	0.75+0.75	0.75+0.75	0.75+0.75	23. Leveling bolts and blocks/ basic toolbox	
Air pressure requirement / Required power supply	-	6kg/cm ² /70kva	6kg/cm ² /110kva	6kg/cm ² /110kva	24. X/Y/Z axis grating scales	
X/Y/Z axis positioning accuracy	mm	0.012	0.015	0.02/0.01/0.01	25. High-power hydraulic system	
X/Y/Z axis repeat positioning accuracy	mm	0.008	0.008	0.012/0.006/0.006	26. Chain-type chip conveyor + cart	
B/C axis positioning accuracy	"	8/10	8/10	8/10	27. CNC Siemens One with 15-inch screen	
B/C axis repeat positioning accuracy	"	4	4	4		
Machine size	mm	2900x2500x2964	5650x4300x3500	7500x4800x3200		
Machine weight	kg	13000	20000	22000		
CNC control	-	SIEMENS ONE	SIEMENS ONE	SIEMENS ONE		

DM series

CNC Gantry Machining Center

DM-2016i **DM-2016i**
DM-3020i **DM-4025i**
DM-6032i



CHARACTERISTICS

The EUMASEIKI DM/DM5 series gantry machining center, with its high torque power, high rigidity structure, combined with high quality and automation, provides you with high-performance and high productivity machining machine. All structural components have undergone FEA finite element analysis, which has advantages such as design optimization and structural light weighting, ensuring optimal structural rigidity of the entire machine. The bridge and base are designed with an integrated casting structure, and the contact surfaces have undergone precision manual scraping procedures to ensure optimal assembly accuracy, structural strength, and balanced load. Widely used by well-known processing factories in the automotive industry, precision mold, aerospace and energy industry.



Specification	unit	DM-2016i	DM-2520i	DM-3020i	DM-4025i	DM-6032i	Standard Configuration	Option Configuration
X axis travel (table forward-backward)	mm	2000	2500	3000	4000	6000/3200/1000(1200)	1. Fully enclosed protective cover	1. Gear type spindle
Y axis travel (spindle box left and right)	mm	1800	2000	2300	2500	3200	2. FANUC OiMF with 10.4-inch color screen	2. Direct drive type spindle
Z axis travel (spindle box up and down)	mm	900	1000	1000	1000	1000 (1200)	3. BT50 spindle structural design	3. Built-in spindle
Distance (spindle nose to table)	mm	180-1080	200-1200	200-1200	200-1200	200-1200 (200-1400)	4. Unique Z-axis ram structure with full-gear gantry design	4. Tool shank and pull bolt: DIN50/CAT50
Distance between double columns	mm	1600	1900	2000	2800	3200	5. X/Y axis linear roller guides	5. Y-axis travel extension/
Rectangular table size/max. load	mm	1200x2200	1600x2500	1700x3000	2100x4000	6000x2800	6. Z axis high-rigidity hard guideway	6. Z-axis travel extension
Rectangular table max. load weight	ton	6	6	7	12	18	7. Cutting coolant system	7. Column height increase
T-slot dimension	mm	22x160x8	22x200x8	22x180x8	28x220x9	28x200	8. Automatic centralized lubrication system	8. Manual additional heads:35-degree head/90-degree head/universal head/extension head
Spindle taper /Spindle speed	-	ISO50	ISO50	ISO50	ISO50	ISO50	9. Spindle air blow device	9. Automatic additional heads 5 divisions: 35° head/90° head/ universal head/extension head
Spindle speed	rpm	6000	6000	6000	6000	6000	10. Chip flushing device	10. Tool magazine: 40/60/90/120 tools
Rapid feed rate (X/Y/Z)	m/min	20/20/12	15/15/15	12/12/10	12/12/12	10/10/10	11. Electrical cabinet air conditioner	11. X/Y/Z axis optical scales (HEIDENHAIN)
Cutting feed rate (X/Y/Z)	mm/min	1~10000	1~8000	1~8000	1~8000	1~10000	12. Manual pulse generator	12. Spindle thermal compensation
Tool magazine capacity / tool holder type	pcs	24/BT50	24/BT50	24/BT50	24/40/BT50	2430/40/BT50	13. RS232C, USB Input/output, ethernet port	13. Oil circuit tool post interface
Max. tool diameter	mm	Ø125/Ø250	Ø125/Ø250	Ø110/Ø200	Ø125/Ø250	Ø125/Ø250	14. Work area lighting /3-color light	14. Spindle inner coolant (Form A)
Maximum tool length	mm	350	350	300	350	350	15. Machine anomaly indicator	15. Auto tool length measure device
Maximum tool weight	kg	20	20	15	20	20	16. Auto power-off (M30)	16. Automatic workpiece measure device
Tool change time (arm type, tool to tool)	sec.	5	5	5	5	5	17. Standard tool kit	17. CNC rotary table
Gear box	-	1:4.2	1:4.2	1:4.2	1:4.2	1:4	18. Leveling bolts and foundation blocks	18. Disc-type oil-water separator
Main motor power	kw	15/18.5	18.5/22	18.5/22	22/26	22/26	19. Automatic chip conveyor and cart	19. Mist cooling system
Main motor torque	Nm	143/236	118/140	147.2/175	140/165.5	140/165		
Full-tooth ram torque	Nm	600.6/991.2	495/588	618/735	588/693	560/660		
X/Y/Z axis feed motor power	kw	3.0/3.0/3.0	3.0/3.0/3.0	3.0/3.0/3.0	6.0/7.0/7.0	6.0/7.0/7.0		
X/Y/Z axis feed motor torque	Nm	27/27/36	36/36/36	36/36/36	38/30/30	38-130/30-83/30-83		
Cutting coolant motor power	kw	1.1+1.1	1.0+1.0	1.1+1.1	1.1+1.1	1.1+1.1		
Air pressure requirement	kg/cm ²	6.5	6.5	6.5	6.5	6.5		
Required power supply	kva	40	45	45	60	50		
X/Y/Z axis positioning accuracy	mm	0.025/0.02/0.01	0.018/0.018/0.018	0.03/0.024/0.016	0.01(300 travel)	0.02(300 travel)		
X/Y/Z axis repeat positioning accuracy	mm	0.008	0.008	0.012/0.006/0.006	0.006(300 travel)	0.02		
Machine size	mm	5800x4700x4500	7000x3800x4800	8400x4360x4270	11200x5800x5400	16000x5900x5330		
Machine weight	kg	22000	23000	35000	38000	65000		
CNC control	-	FANUC OiMF	FANUC OiMF	FANUC OiMF	FANUC OiMF	FANUC OiMF		

Finished Machines



4 units EV1375B with Heidenhain system



4 units EV1165A with FANUC system



2 units UV400 with Siemens One



2 units DX650 with Siemens one

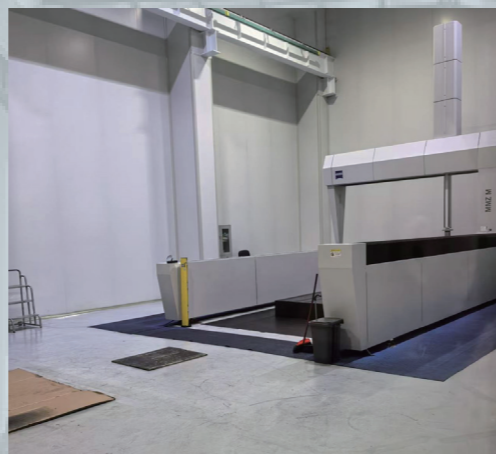


6 units EV1160A with FANUC 31i



3 units DU500 with siemens one

Production Capacity



Shenyang Liming Aviation Engine Group
 Jinzhou Weapon 641 Factory
 Shenyang Aerospace Xinguang Group Co., Ltd
 Baotou Guanghua Chemical Industry Co., Ltd
 Inner Mongolia Baotou 1st machine tool factory
 Guihang Group Fenglei Ordnance Factory
 AVIC Power Technology Zhuzhou Gas Turbine Company
 Chongqing Hongyu Precision Industry Co., Ltd
 Nanjing Chenguang Group
 Nanjing 14th Institute
 Xi'an Microelectronics Technology Research Institute... Total 40 units

Nanjing Forestry University
 Zhejiang Ocean University
 Department of Mechanical and Electrical Engineering, Nanyang University of Technology... Total 55 units

Bengang Plate Co., Ltd
 Anshan Ansteel Quality Inspection Center West
 Shanghai Baosteel Co., Ltd
 Shougang Tangshan Jingtang Steel
total 6 units

Baoding Great Wall Motors
 Beijing Futian Automobile
 Engine of Shiyang Dongfeng Motor Company
 Nanjing Iveco Transmission Factory
 Dongfeng Automobile Axle Co., Ltd. Parts Factory
Total 75 units

