

- > Vertical Machining Centers
- > Double Column Machining Centers
- > High Speed Machining Centers
- > 5-Axis Machining Centers
- > EDM Die Sinkers
- > Die Spotting Press

Die Mould Solutions Machining Range

Imported Div.

COSMOS Machine Tool Solutions



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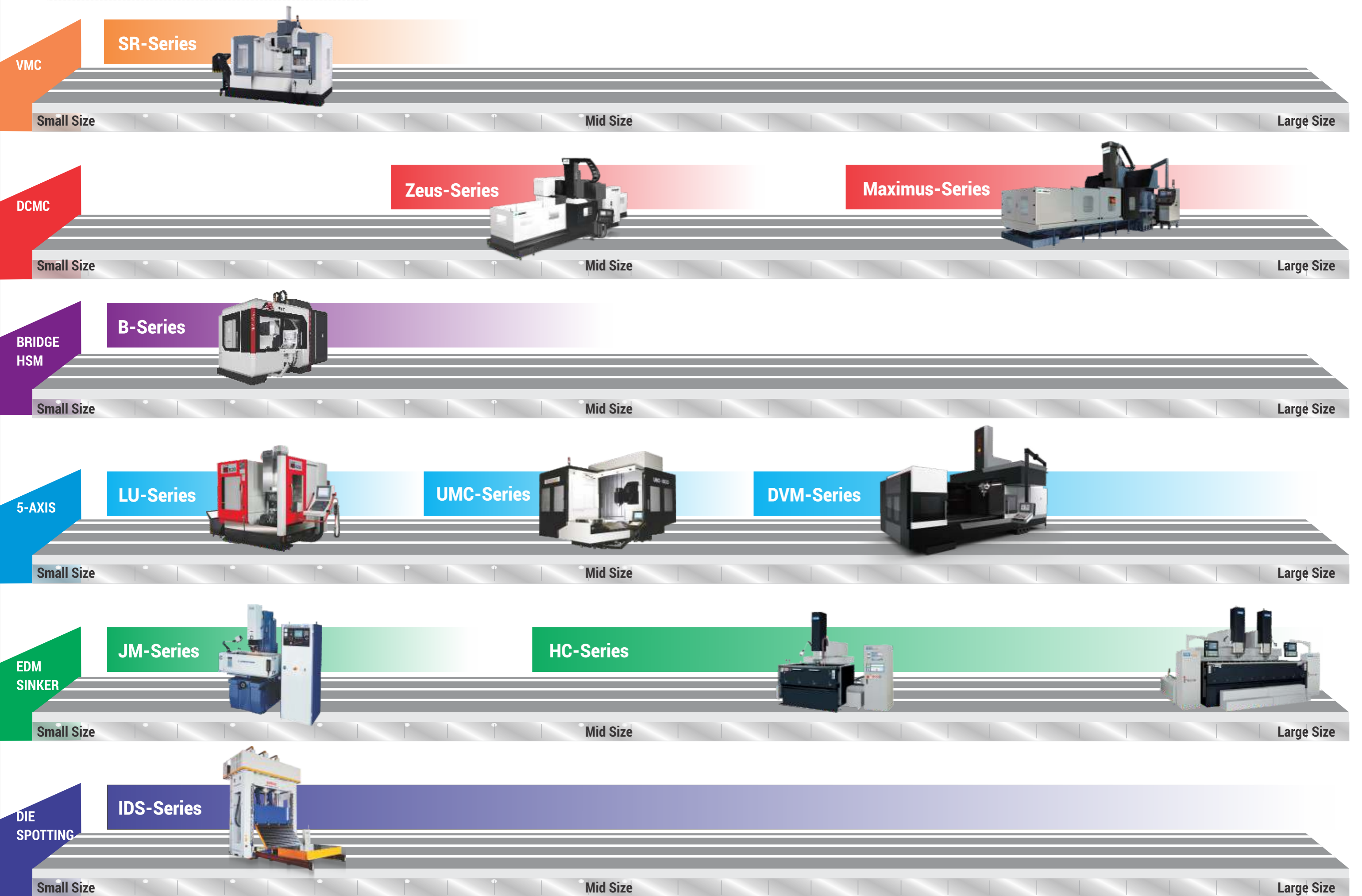
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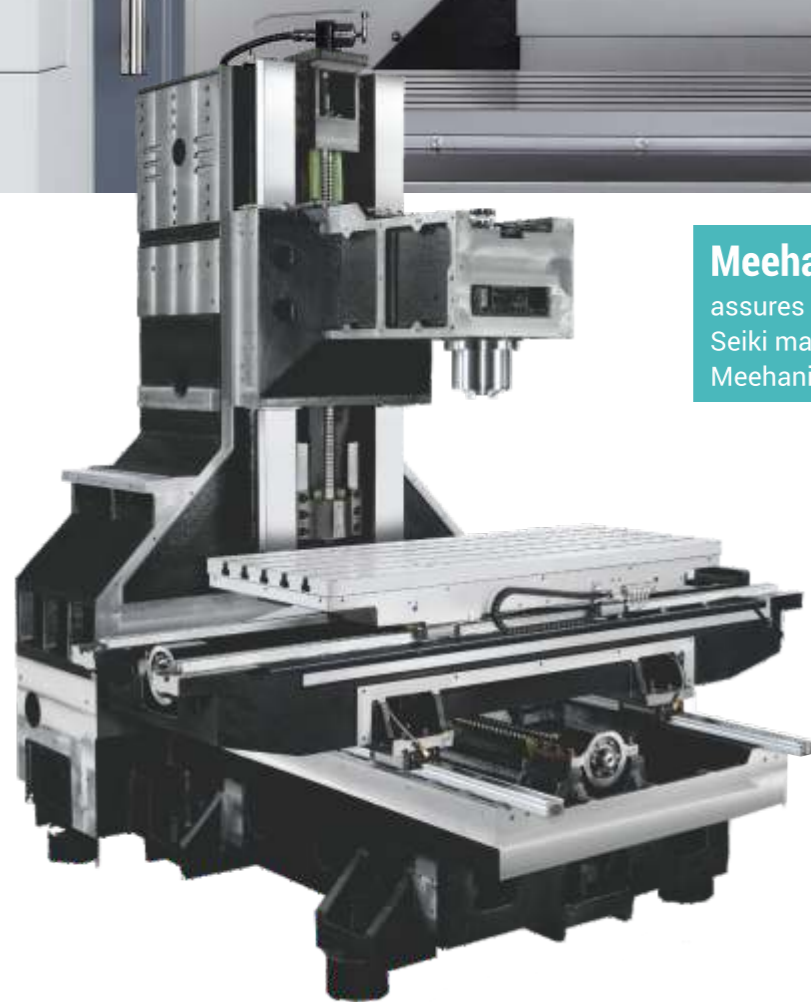


Die Mould Solution - INDEX



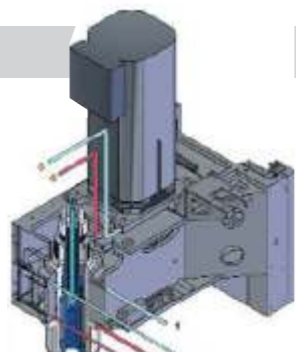


Meehanite high quality cast iron assures permanent rigidity and accuracy for each Akira Seiki machine casting frame by the authorized Meehanite foundries.

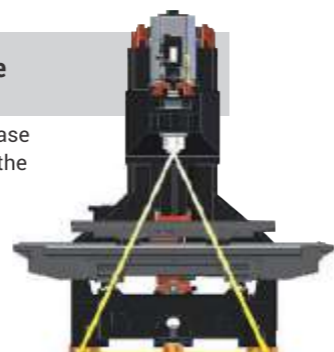


A Type Rigid Column
Optimum span steady base with A-type large box way column design, Z-axis employs robust slide way and spindle head cartridge for powerful pocketing and fast milling. (For model with Y-axis travel upper 540 mm).

Head Stock Thermal Control
Technology of coolant circulated inside inside the casting head stock to maintain the constant temperature to prevent deformation which generated by spindle during cutting.



Golden Triangular Frame
in optimum span of bed base and guide ways supports the superior acceleration and deceleration movement.



High Performance VMC
SR Series
Akira Seiki Taiwan

- Travel Ranges**
- 550x430 to 2600x1030 mm
 - 35HP Power
 - 9000 rpm Spindle
 - High Cutting Dynamics
 - High Reliability

MODEL	UNIT	SR-2	SR 3	SR-32	SR-42	SR-52	SR-45XP	SR-55XP
TRAVEL								
X axis travel	mm	550	762	815	1050	1300	1150	1350
Y axis travel	mm	430	430	540	540	540	640	640
Z axis travel	mm	460	460	560	560	560	660	660
Rapid Rate of X/Y/Z	m/min	36/36/30			30/30/24			
Working surface (WxH)	mm	700 x 380	910 x 380	950 x 480	1200 x 480	1450 x 480	1300 x 600	1500 x 600
Maximum load	KG	576	792	1080	1176	1296	1560	1800
Max Spindle Speed	RPM	9,000						
Type of tool shank		BT 40						
Spindle motor capacity	HP	15	15	18	18	18	18	18
Tool storage capacity	EA	20	20	24	24	24	24	24

Highlighted Features

- SR Series is a range of high performance C-frame Vertical Machining Centers
- Powered by American designers SR series offer 12000 – 15000 rpm on the machine
- Headstock of SR series is equipped with cooling system
- Robust structure provides stiffness and rigidity for chatter-free cutting , agility for machining hard materials.
- The latest Akira Seiki M80 controller provides high-speed ,high-accuracy and high-quality cutting throught the latest SSS-4G chipset.

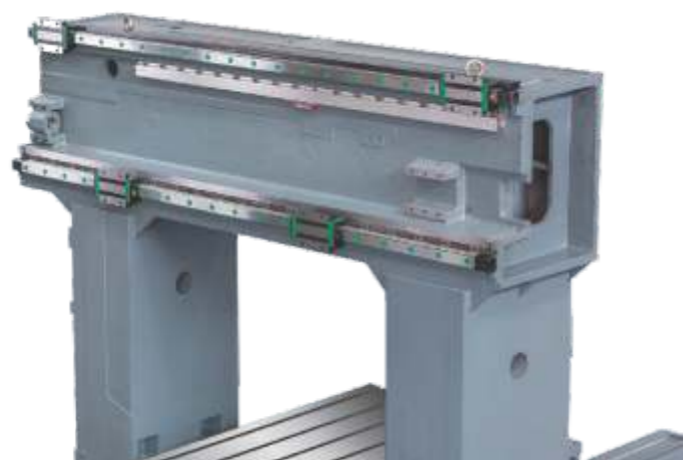
Standard Features

- Linear Guide Ways For X And Y Axis, Z In Box Way
- Spindle Air Chilling
- Coolant Through Head Stock
- Spindle Taper Air Blow
- Full Enclosure Splash guard
- Complete Back Panel
- Front Door Interlock
- Chip Screw With Chip Trolley
- Chip Flush System By An Additional High Pressure Pump
- Rigid Tapping
- Remote Control Mpg
- Heat Exchanger For Electrical Cabinet
- Twin Working Lights
- Operation Status Lights (3 Colors Led Light)
- M30 Auto Power Off
- Manual Air Blow
- Automatic Lubrication Unit
- Container For Oil / Water Separation
- 1 Year Machine Warrantee
- 2 Years Warrantee For Controller



Monobridge

- Column & Beam is made from SINGLE PIECE Casting
- This "MonoBridge" design drastically improves machine capability to execute high-speed machining for roughing, semifinishing and finishing operations.



Hydraulic Counter-balance on Z-axis



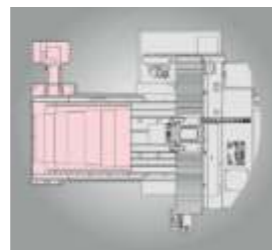
The Z-axis movement is counter-balanced by two hydraulic cylinders, ensuring outstanding smoothness and stability of Z-axis movement

Accumulator



The accumulator is used to supply pressure source to the hydraulic cylinders, allowing the Z-axis to move smoothly.

Efficient Chip Evacuation



The right and left side of base are equipped with two chip augers for delivering chips to the front mounted link chain type chip conveyor.

Directly Coupled To Ball Screw



The servo motor on the axes is directly coupled to the ball screw with a coupling, that eliminates backlash while achieving high transmission accuracy.



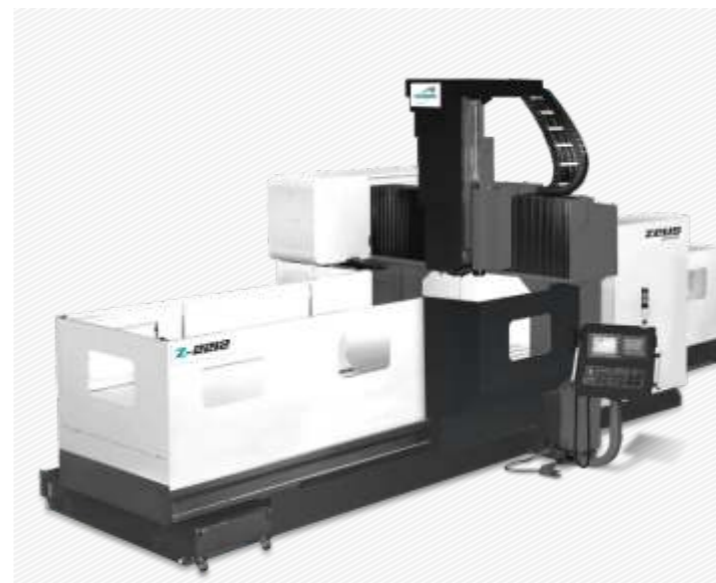
Double Column Machining Center

Zeus Series

Cosmos, Taiwan

Travel Ranges

- 2000 x 1200 to 3000 x 1500 mm
- 8000 Rpm spindle
- BBT50 Spindle
- Mono Bridge design
- Step type beam heavy duty structure



MODEL	UNIT	Z-2212	Z-2215	Z-3212	Z-3215
TRAVEL					
Table size	mm	2000 x 1100	2000 x 1300	3000 x 1100	3000 x 1300
T Slots size	mm	22			
X axis travel	mm	2200	2200	3200	3200
Y axis travel	mm	1200	1500	1200	1500
Z axis travel	mm	760			
Spindle servo motor - cont / 30min	KW	11/15			
Distance between column	mm	1300	1500	1300	1500
Table loading capacity	KG	3500	4000	4500	5000
Max Daylight	mm	960			
Max spindle speed	RPM	6000			
Type of tool shank		BBT 50			
Tool storage capacity	EA	24			

Highlighted Features

- Zeus Series Double column are our Compact Bridge type machining centers
- Designed with purely for die and mould industry , Zeus is a robust and economical solution for your tool room.
- Zeus features the Mono-bridge construction, ONE-PIECE column and beam construction
- Mono-bridge provides stiffness and rigidity for chatter-free , heavy cutting , roughing and finishing on the same machine performance.
- Zeus is fitted with die mould series Mitsubishi M80 Controller integrated with high block reading speed , HPAC and SSS chipset for tight control over the 3-D profiles.
- BBT Spindle with face and taper contact system is standard on this series, to derive all the benefits of high-end tooling and shrink fit holders will.

Standard Features

- Spindle Speed 6000Rpm
- Geared Head Spindle With Bbt 50
- Spindle Oil Cooler
- X , Y & Z Axis With Roller Type Guide Ways
- 24 Tools Arm Type Atc
- Manual Pulse Generator
- Coolant Splash Guard
- Two Chip Screw & One Belt Type Chip Conveyor
- With Bucket
- Heat Exchanger For Electric Cabinet
- Programmable Coolant System
- Spindle Air Blast
- Automatic Power Off
- Transformer
- Working Lamp



Double Column Machining Center

Maximus Series

Cosmos, Taiwan

Travel Ranges

- 2000 x 1600 to 6200 x 2800 mm
- 6000 Rpm spindle
- BBT50 Spindle
- 710NM Torque
- Step type beam heavy duty structure
- Auto attachment changer



MODEL	UNIT	M 2218	M 2718	M 3218	M 2224	M 2724	M 3224	M 4224	M 5224	M 6224	M 3228	M 4228	M 5228	M 6228
TRAVEL														
Table size	mm	2000 x 1500	2500 x 1500	3000 x 1500	2000 x 2100	2500 x 2100	3000 x 2100	4000 x 2100	5000 x 2100	6000 x 2100	3000 x 2500	4000 x 2500	5000 x 2500	6000 x 2500
X axis travel	mm	2200	2700	3200	2200	2700	3200	4200	5200	6200	3200	4200	5200	6200
Y axis travel	mm	1200	1500	1200	1500	1200	1500	1200	1500	1200	1500	1200	1500	1500
Z axis travel	mm	1000			1000			1000			1000			
Spindle servo motor - cont / 30min	KW	15/18.5 (22/26)			15/18.5 (22/26)			15/18.5 (22/26)			15/18.5 (22/26)			
Distance between column	mm	1900	1900	1900	2400	2400	2400	2400	2400	2400	2800	2800	2800	2800
Table loading capacity	KG	8000	9000	10000	10000	12000	12000	13000	14000	15000	12000	13000	14000	15000
Max spindle speed	RPM	4000 (6000)			4000 (6000)			4000 (6000)			4000 (6000)			
Type of tool shank		BT 50			BT 50			BT 50			BT 50			
Tool storage capacity	EA	24			24			24			24			

Step Type Beam for Improved Cutting Stability

The oversized beam is of step type construction, that allows for better stability during cutting. Two Roller LM Guide are mounted one LM Guide on top and one in the front for minimizing deflection due to heavy cutting.



Beam is scientifically reinforced by heavy ribbing



Heavy Cutting Spindle High Gear Ratio (4000 RPM)

15/18.5 kW Spindle with Geared head churning out a massive 710 N.m of torque.

Geared head with high/low gear ratio handles both high speed machining and heavy cutting application.

Highlighted Features

- Maximus Series Double column are our Large Bridge type machining centers
- Designed for high stability and high accuracy , Maximus is a robust solution for your factory.
- Maximus features a Step type construction beam for improved stability and increased stiffness for spindle head stability
- Maximus is fitted with die mould series Mitsubishi M80 Controller integrated with high block reading speed , HPAC and SSS chipset for tight control over the 3-D profiles.

Standard Features

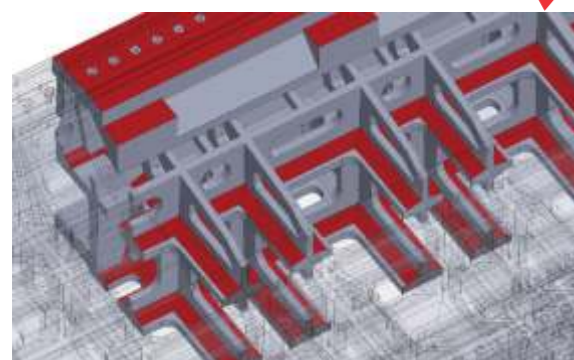
- Fanuc Oi Mf
- Spindle Speed 4000 Rpm
- Geared Head Spindle With Bt 50
- Spindle Oil Cooler
- X & Y Axis With Roller Guide Ways
- Z Axis With Box Guide Ways
- 24 Tools Arm Type Atc
- Manual Pulse Generator
- Coolant Splash Guard
- Two Chip Screw & One Belt Type Chip Conveyor With Bucket
- Automatic Lubrication Unit
- Heat Exchanger For Electric Cabinet
- Coolant System
- Spindle Air Blast
- Automatic Power Off
- Working Lamp
- Transformer



Application



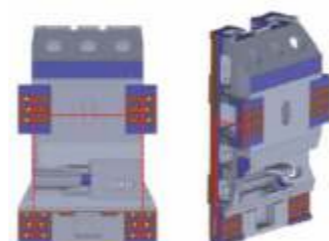
Heavily ribbed construction



Single piece design of column & beam



Heavy duty saddle



Extra large span & ladder type structure



High Feed Machining - Die Mould

B Series

Maxxtron, Taiwan

Travel Ranges

- 700 x 500 to 3500 x 2200 mm
- 24000 Rpm Built in spindle
- 20M/MIN Cutting feed rate
- 45kW Spindle power
- Ceramic Bearing
- High volume removal

MODEL	UNIT	B7	B11	B14	B17	B20	B25	B25T	B35	B35T
Table size	mm	750x600	1050x700	1600x1000	1900x1300	2200x1300	2800x1700	2800x1700	3600x1700	3600x2100
Cutting feedrate (X/Y/Z)	m/min	20	20	20	20	20	20	20	20	20
X axis travel	mm	700	700	1400	1700	2000	2500	2500	3500	3500
Y axis travel	mm	500	1050	1000	300	1300	100	2200	1800	2200
Z axis travel	mm	380	500	600	700	700	800(1100)	800(1100)	800(1100)	800(1100)
Distance between column	mm	720	1080	1120	1500	1500	1850	2350	1850	2350
Table loading capacity	KG	500	800	3000	5000	5000	5000(8000)	5000(8000)	8000(10000)	8000(10000)
Max spindle speed	RPM	30000	24000	24000	24000	24000	15000	15000	15000	15000
Spindle type		Built in motor spindle								
Spindle motor	KW	8.5/9	30/39	25/33						
Type of tool		HSK 40E	HSK A63	HSK A63	HSK A63	HSK A63	HSK A100	HSK A100	HSK A100	HSK A100
Tool storage capacity	EA	16	12(Arm 30)	16(Arm 30)	20(Arm 30)	20(Arm 30)	24/32/60/90			

Highlighted Features

- B Series is our Bridge type High Speed and High HRC Machining center for Die and Mould
- The cross beam of the machine is of Mono-bridge design , to ensure minimum deflection during long cutting cycles and excellent flow path for vibrations and heat.
- The column has Wide foot mounting for high stability.
- B Series is designed specifically for high quality die & mould tuned for high accuracy tight-tolerance blends curing 3-D profile cutting
- For High Speed Machining maximum power , speed and precision are packaged into the machine.
- Powered by 30+ Kw Motor Integrated Spindle with 24000rpm
- All axes ballscrews are cooled to maximize accuracies.

Standard Features

- Heidenhain Tnc 620 15"LCD
- Fully Enclosed Splash Guard
- Spindle Cooler
- 3 Axis Absolute Encoder Motors
- ATC
- 3 Axis Linear Guide Way
- Cutting Coolant System
- Centralized Auto Lubrication Sytem
- Spindle Air Blast
- Working Lamp
- Indication Lamp
- Anchor Bolts, Leveling Blocks And Bolts
- Screw Type Conveyor
- Tool Kits
- Washing Gun & Air Gun
- Coolant Tank
- Cutting Air Blast
- Operation Manual



Center calibration



Rigid, High-Powered Without Compromising Precision



Multi Pallet 5-Axis Machine

Number of Pallets: **6**
 APC Worktable size: **350 x 350mm**
 APC Worktable loading: **100kg**



Trunion Type 5 Axis VMC

LU Series
 Litz, Taiwan

Table Size

- 400 & 620 MM
- 12000 rpm Direct Drive Spindle
- BBT40 Tool Taper
- High Performance Cutting
- Trunion table design

MODEL	UNIT	LU-400	LU-620
TRAVEL			
X axis travel	mm	400	650
Y axis travel	mm	350	520
Z axis travel	mm	350	460
Table tilting (B Axis)	Deg	-50°~+110°	-50°~+110°
Table rotary (C Axis)	Deg	360°	360°
Max torque	Nm	100	180
Table loading capacity	KG	150	200
Max spindle speed	RPM	12000	
Spindle motor	KW	5.5 / 7.5	
Type of tool shank		BT 40	
Rapid feed rate	m/min	48/48/48	
Cutting feed rate	m/min	20	
Tool storage capacity	EA	30	32
Working table (W x L)	mm	520 x 320	650 x 400

Highlighted Features

- LU Series is our Compact 5-Axis Universal Machining Center
- LU Series is a Mono-block design simultaneous 5-axis Machining Center.
- Designed for High Kinematics and Precise Angular positioning with fully supported trunion table integrated into the machine casting.
- With a highly symmetrical casting design the structure is inherently stable and the ribs in the frame provide a base for high quality.
- Can be integrated with Pallet Changer
- Available with HSK or BT taper as per request.
- Available with Siemens , Heidenhain and Fanuc Controller

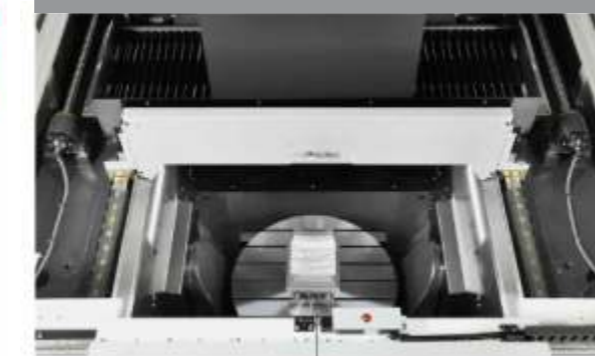
Standard Features

- Direct Drive Spindle Speed 12000Rpm
- Spindle Oil Cooler
- Spindle Motor Plate Cooling System
- Spindle Air Seal System
- Spindle Programmable Air Blow
- Spindle Splash Ring
- Chain Type Chip Conveyor
- Chip Cart
- Water Gun
- Air Gun
- Full Enclosure
- Worktable Tailstock Support
- Front Door/Side Door Safety Switch
- Disc Type Coolant Oil Separator
- XYZ Axes Lube Lubricating
- Automatic Tool Changer (ATC)
- Tool Specifications BBT-40
- Tool Capacity 32
- 3 Axes Roller Type Linear Guideways
- B Axis Linear Scale
- C Axis Linear Scale
- Z Axis Motor System W/ Brake
- Worklight
- Alarm Light
- M30 Auto Shut Off
- Heat Exchanger
- Heidenhain TNC-640 (5 Axes Simultaneous)



Rigid, High-Powered Without Compromising Precision

Sliding Top Roof



Easy Chip Removal



GANTRY Type 5 Axis

LU Series
Litz, Taiwan

Table Size

- 800 & 1200 MM
- 12000 rpm Direct Drive Spindle
- BBT40 Tool Taper
- High Performance Cutting
- Trunnion table design

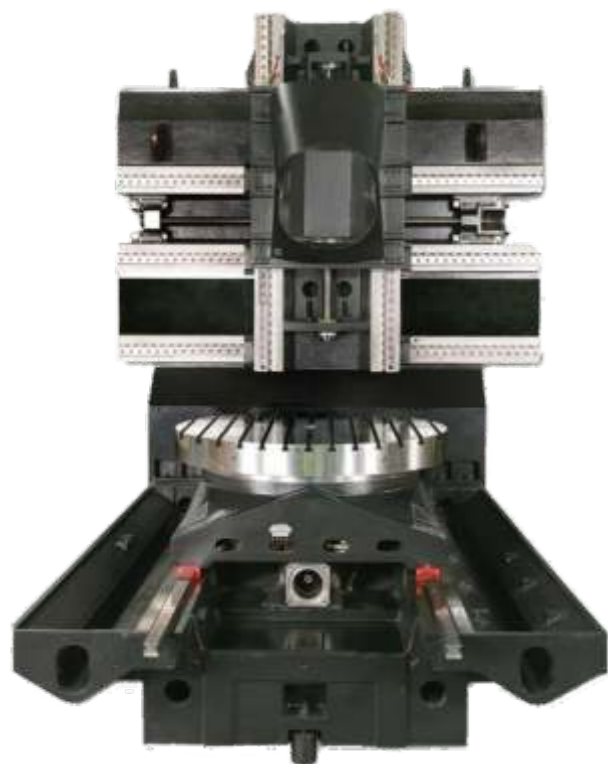
MODEL	UNIT	LU-800	LU-1200
TRAVEL			
X axis travel	mm	800	1100
Y axis travel	mm	900	1370+380
Z axis travel	mm	620	800
Table tilting (B Axis)	Deg	-120°~+120°	-120°~+120°
Table rotary (C Axis)	Deg	360°	360°
Max torque	Nm	236	236
Table loading capacity	KG	1000	2000
Max spindle speed	RPM	12000	8000
Spindle motor	KW	30 / 37	27 / 64
Type of tool shank		BT 40	
Rapid feed rate	m/min	48/48/48	
Cutting feed rate	m/min	20	
Tool storage capacity	EA	32	24(40)
Working table (W x L)	mm	850 x 400	1150 x 900

Highlighted Features

- LU Seires is our Compact 5-Axis Universal Machining Center
- LU Series is a Mono-block design simultaneous 5-axis Machining Center.
- Designed for High Kinematics and Precise Angular positioning with fully supported trunnion table integrated into the machine casting.
- With a highly symmetrical casting design the structure is inherently stable and the ribs in the frame provide a base for high quality.
- Can be integrated with Pallet Changer
- Available with HSK or BT taper as per request.
- Available with Seimens , Heidenhain and Fanuc Controller

Standard Features

- Direct Drive Spindle Speed 12000Rpm
- Spindle Oil Cooler
- Spindle Motor Plate Cooling System
- Spindle Air Seal System
- Spindle Programmable Air Blow
- Spindle Splash Ring
- Chain Type Chip Conveyor
- Chip Cart
- Water Gun
- Air Gun
- Full Enclosure
- Worktable Tailstock Support
- Front Door/Side Door Safety Switch
- Disc Type Coolant Oil Separator
- Xyz Axes Lube Lubricating
- Automatic Tool Changer (Atc)
- Tool Specifications Bbt-40
- Tool Capacity 32
- 3 Axes Roller Type Linear Guideways
- B Axis Linear Scale
- C Axis Linear Scale
- Z Axis Motor System W/ Brake
- Worklight
- Alarm Light
- M30 Auto Shut Off
- Heat Exchanger
- Heidenhain Tnc-640 (5 Axes Simultaneous)



Eumach

Universal Head type 5-Axis

UMC Series

Eumach, Taiwan

Table Size

- 1000 & 1600 MM
- Universal Head type construction
- Torque Motor Drive Head
- 14000 & 24000 RPM Spindle available
- Trunnion table design



Automatic swiveling milling head

Optional

1320mm diameter torque motor drive rotary table with maximum rotation 30RPM, 3940Nm peak torque, 10000Nm brake torque, 4000kg load, +5" / +2.5" positioning / repeatability accuracy, German made



MODEL	UNIT	UMC-1000	UMTC-1000	UMC-1600	UMTC-1600
TRAVEL					
X axis travel	mm	1000	1000	1620	1620
Y axis travel	mm	800	800	1260	1260
Z axis travel	mm	700	700	1050	1050
Universal head (B Axis)	Deg	0~180	0~180	0~180	0~190
Rotary table (C Axis)	Deg	360			
Rapid feed rate (X/Y/Z)	m/min	24/24/24			
Table size	mm	800 x 1000	Diameter 800	Dia. 1320	Dia. 1320
Table loading capacity	KG	1500	1000	4000	3200
Max spindle speed	RPM	14000 (Opt 18000)	12000	8000	8000
Spindle motor	KW	35 / 29.3		37.4 / 54	37.4 / 54
Type of tool shank	-	BT 40 (Opt HSK A63)	KM 63	HSK A100 / BT 50	HSK A100 / BT 50
Tool storage capacity	EA	40	40	40	40

Highlighted Features

- UMC Series is our Mid Size Universal head type 5-Axis Machining Center
- UMC Series is a Duo-block design simultaneous 5-axis machining center.
- Structure has been designed for heavy milling of heavier components.
- The Large axis drives alongwith Torque motors ensures High Dynamics during cutting of Heavy components
- Available with HSK or BT taper as per request.
- Available with Seimens , Heidenhain and Fanuc Controller

Standard Features

- Glazed Window Type Splash Guard
- Programmable Coolant System
- Automatic Lubrication System
- Spindle Air Blast System
- Working Lamp
- Alarm Lamp For Abnormal Situation
- M.P.G.
- Indication Lamp For Dwell & End Of Job
- Levelling Bolts & Pads
- Bt#50 Long Nose Spindle
- Rs-232 Terminal Interface Port
- Machine & Control Manuals
- Toolbox With Spanners & Wrenches
- Screw Type & Chain Type Chip Conveyors
- Fanuc Oi-Md Control





Bridge / Double Column Type 5 Axis

DVM Series

Eumach, Taiwan

Table Size

- 2200 & 1700 to 6000 x 3500
- Bridge type construction
- Cytec make fork type 5-axis head
- Heavy duty cutting design

MODEL	UNIT	DVM-20xx 5Ax	DVM-30xx 5Ax	DVM-40xx 5Ax	DVM-50xx 5Ax	DVM-60xx 5Ax
TRAVEL						
X axis travel	mm	2200	3200	4200	5200	6200
Y axis travel	mm	I:1750; II:2200	I:1750; II:2200 III:2600	I:2200; II:2600 III:3100; IV:3600	I:2200; II:2600 III:3100; IV:3600	I:3100; II:3600
Z axis travel	mm	700 (Opt 900; 1100; 1300)				
Distance between column	mm	I:1750; II:2130	I:1750; II:2130 III:2530	I:2130; II:2530 III:3030; IV:3530	I:2130; II:2530 III:3030; IV:3530	I:3030; II:3530
Head tilting (B Axis)	Deg	±105				
Head rotary (C Axis)	Deg	±360				
Table size	mm	2000 x I:1600 (II:1700)	3000 x I:1600 (II:1700; III:2100)	4000 x I:1700 (II:2100; III:2600; IV:3100)	5000 x I:1700 (II:2100; III:2600; IV:3100)	6000 x I:3030 (II:3530)
Rapid feed rate (X/Y/Z)	m/min	15/15/10	15/15/10	10/10/10	10/10/10	10/10/10
Cutting feed rate	m/min	8	8	8	8	8
Table loading capacity	KG	I:6000; II:8000	I:8000; II:11000 III:14000	I:13000; II:16000 III:20000; IV:24000	I:15000; II:18000 III:21000; IV:25000	I:23000; II:28000
Tool storage capacity	EA	24				

CYTEC Head

M21 Fork/ Universal 2Axis Milling head
0.001° Indexing
HSK A100 Taper / 1000 RPM
34/42 kW Power / 220Nm Torque

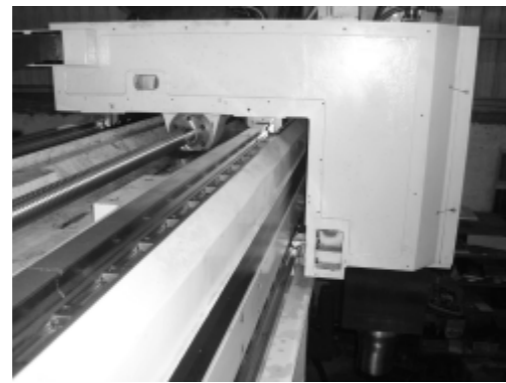


Latest innovation design not only for Mould & Die Application but also for Aerospace, Construction, Textile Machinery industries and General machining, with High efficiency, High Accuracy and High power characteristics combined with a Large work envelope.

X-AXIS:
Two roller guideways & two ball guideways

Y-AXIS :
Three roller guideways.
(Two on top & one on front)

Z-AXIS:
420mm x 420 mm,
heavy duty box ways



Highlighted Features

- DVM Series is our Large Sized Double Column type 5-Axis Machining Center
- DVM series architecture is symmetrical with 3 LM Guideways on the beam (1 front + 2 top) to support the heavy duty RAM and the 5-axis head
- Heart of the machine is the Heavy Duty RAM which supports the 5-axis head with 420 x 420 size supported by 4 Roller guides for maximum stability during high performance cutting
- All structural elements are made is cast iron to ensure perfect behaviour form thermal and mechincal point of view.

Standard Features

- Fanuc 0iMF Controller
- Ethernet for program transfer 24 Tool arm type automatic tool changer
- Belt drive spindle
- Z-axis servo brake
- LM Guideways on all axes
- Full splash guard
- Rigid tapping
- Portable MPG
- Heat Exchanger for electrical panel
- Air and air gun
- Automatic lubrication system Coolant system
- Oil coolant separator
- Chip Tray
- Operation lamp
- Work lamp
- Leveling pad
- Maintenance kit, Operation and maintenance manual



EDM Die Sinker ZNC Type

JM Series

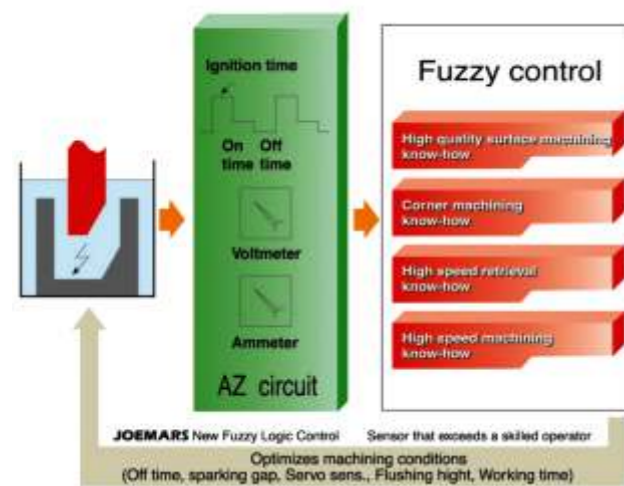
Joemars, Taiwan

Worktank size

- 830 x 500 to 1800 x 1000 mm
- Easy setting FUZZY Logic controller
- Generator upto 150 Amp available
- Orbital head is optionally available



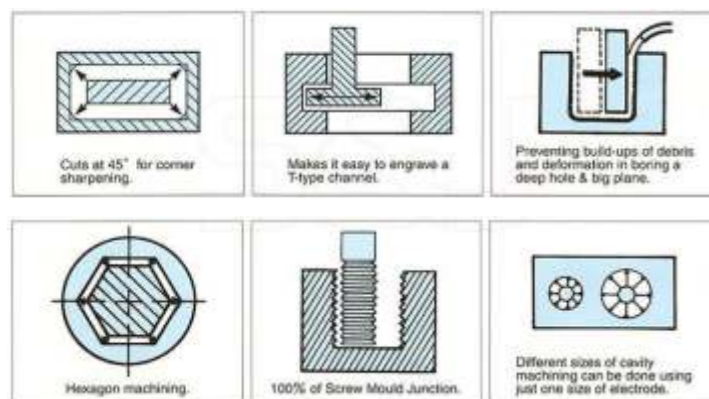
DESCRIPTION	UNIT	JM 322	JM 430	JM 500	JM 650
Worktable Size	mm	600x300	650x400	750x520	920x600
X-Travel	mm	300	400	500	600
Y-Travel	mm	200	300	400	500
Z-Travel	mm	200	200	380	280
W-Travel	mm	200	200	200	300
Max. Electrode Wt.	KG	60	75	150	300
Max Workpiece Wt.	KG	550	900	1200	2200
Work Tank Size	mm	830x500x300	1060x600x340	1250x660x420	1400x830x540
Floor Dimension	mm	1530x1590x2175	1455x1680x2155	1645x1900x2455	1825x2320x2625
Machine Wt.	KG	1050	1400	1800	2500



Highlighted Features

- Is our compact ZNC type EDM Sinker machine
- JM Series features Compact, robust structure designed to last long.
- In the event of poor sparking conditions the Anti-Arcing-Auto-Adjustment (4A) system automatically adjusts the machine parameters to achieve best performance.
- JM Series can be programmed for Auto-machining from rough to fine finish
- Auto Parameter Setting , operator only has to set Machining Material , Electrode Size & Wear and Peak Current , the best machining parameters will be auto set
- The Fuzzy Logic Controller makes setting an easy task for the operator regardless of his skill

Using Orbit Head (Optional)



Standard Features

- Paper Filters
- Tool Box
- Flushing Nozzle
- Drill Chuck
- Clamping Kit
- Electrode Holder
- Halogen Machine Work Lamp
- Linear Scale

CNC EDM's with RAM type construction for Electrode over 200kgs

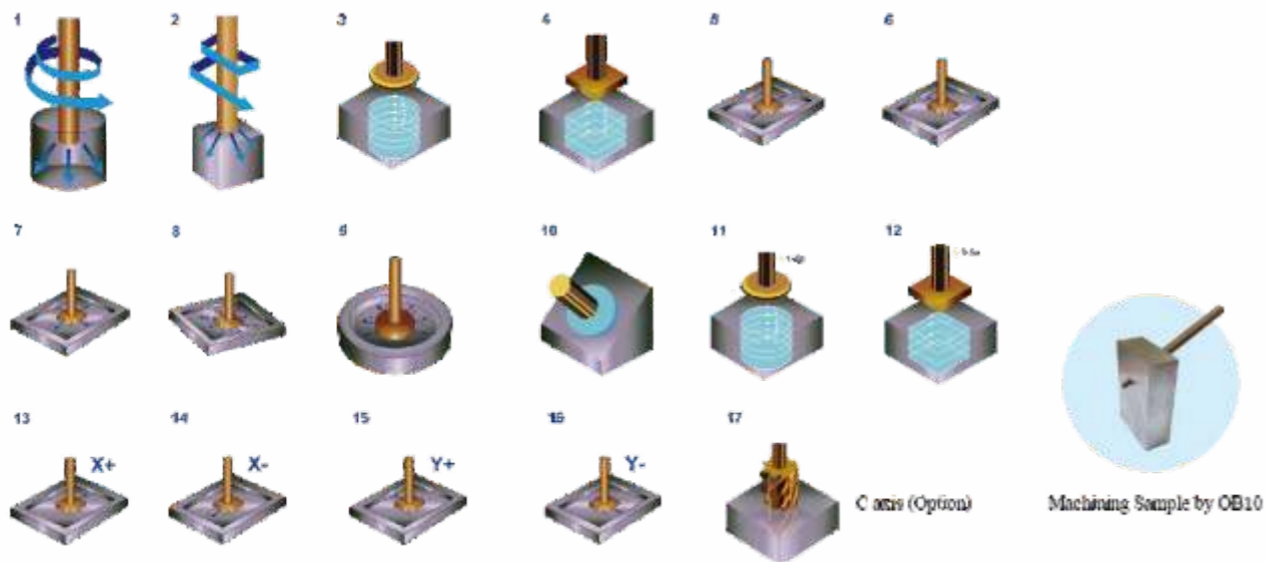


Enlarged cast structure, achieves the high precision and accuracy



Adopt Linear guide way with high rigidity and precision and high precise ball screws

2D,3D Orbital pattern



EDM Die Sinker CNC Ram Type

HC Series
HCM, Taiwan

Worktank size

- 1260x 800 to 4100 x 1700 mm
- 250 to 300 GS Max. Electrode weight
- Single Ram & Twin Ram Configuration
- Quick Setup Features

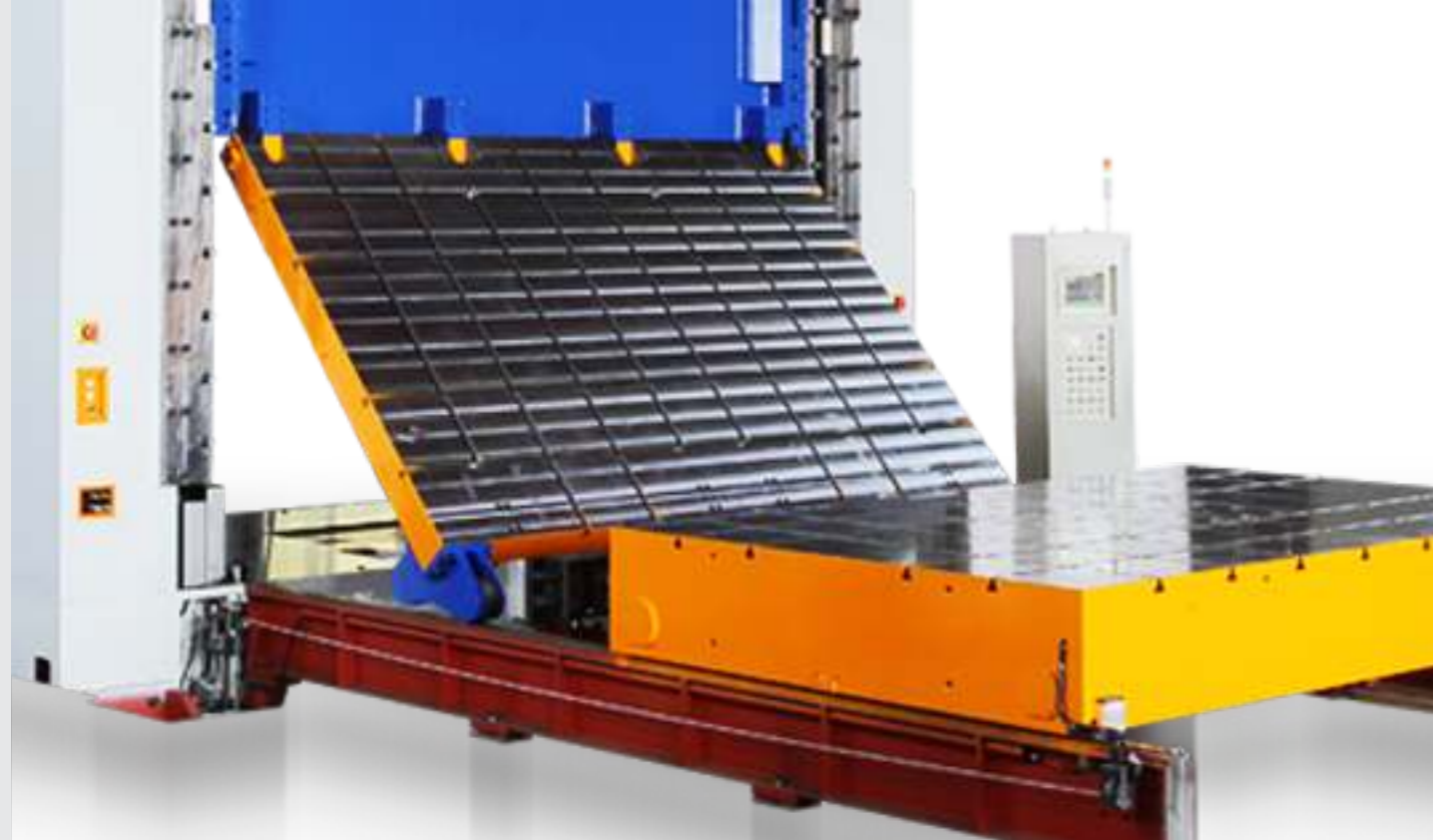
DESCRIPTION	UNIT	HC 8060	HC 1060	HC 1270	HC 1470	HC 2085	2HC 1685	2HC 1885	2HC 2085	2HC 3010
X axis single ram travel	mm	800	1000	1200	1400	2000				
X axis double ram travel	mm						900/450	1100/550	1800/900	2550/1275
Y-Travel	mm	600	600	700	700/1000	850/1000	850/1000	850/1000	850/1000	850/1000
Z-Travel	mm	500	500	500	600	600	600	600	600	600
Work table	mm	1200x700	1250x750	1400x850	1850x1100	2000x1100	1850x1100	2000x1100	2450x1100	3100x1100
Max. work piece	mm	1800x1150x600	2000x1150x625	2240x1300x625	2420x1550x800	3100x1700x800	2600x1700x800	2850x1700x800	3500x1700x800	4100x1700x800
Max Workpiece Wt.	kg	4000	4500	5000	6300	8800	6500	6800	10000	16000
Max. Electrode Wt.	kg	350	350	400	500	500	500	500	500	500
Machine Wt.	kg	5100	5700	6600	8800	10000	11600	11800	15800	22600

Highlighted Features

- Is our EDM Sinker solution for Large Die and mould
- HCM EDM's have robust machine design to deliver outstanding accuracy with stationary work table construction. Fixed worktable also ensure easy access to the work tank.
- HC Series machine can be equipped with Auto Electrode Changer for unattended machine operation.
- The CNC controller is equipped with intuitive HMI to streamline operations and make it easy for operator to set and program regardless of operator skill level.
- Twin Head Configuration provides a very unique and highly productive solution for your large die.
- Both heads can be independently programmed to spark different part features at the same time reducing your throughput time.
- All HCM ED's are provided with feather light front sliding door system for effortless opening and closing.

Standard Features

- Filter
- Tool Box
- Electrode Guide Dia. 1.0Mm
- Tube Electrode Dia. 1.0 Mm
- Chuck
- X Y Axis Linear Scale
- Halogen Work Lamp
- Leveling Pad
- Z Axis Encoder
- High Precision X Y Z Ballscrew



WETORI

Die Spotting Press IDS Series Wetori, Taiwan

- Bolster Size**
- 1000 x 850 to 4000 x 2500 mm
 - 50 to 500 Ton Capacity
 - Japanese precision
 - Dual pillar press
 - Integrated Tilt for matching

DESCRIPTION	UNIT	IDS-50	IDS-75	IDS-100A	IDS-100B	IDS-150A	IDS-150B	IDS-200A	IDS-200B	IDS-300A	IDS-300B	IDS-500A	IDS-500B
Capacity	Ton	50	75	100	100	150	150	200	200	300	300	500	500
Bolster area	L.R. x F.B. (mm)	1000x850	1200x1000	1500x1200	1800x1300	200x1500	2200x1800	2000x1500	2500x2000	3000x2000	3600x2500	3200x2200	4000x2500
Stroke	mm	1000	1000	1200	1500	1500	2000	1800	2200	2000	2500	2700	3000
Descending speed	mm/sec	80	80	80	80	80	80	80	80	80	80	80	80
Ascending speed	mm/sec	60	60	60	60	60	60	60	60	60	60	60	60
Motor	kW	11.2	15	18.7	18.7	30	30	37.5	37.5	45	45	56.2	56.2



Highlighted Features

- ACTION IDS Presses are designed to Japanese Standards.
- IDS Series Die Spotting Press from Wetori, Taiwan is our die and mould verification solution for you
- The integrated 180 degree tilt system opens the mould from 0 to 180 degree at a press of a button to help you repair it efficiently.
- Micro-inking system ensures precise and accurate position control of slide for high resetting accuracy.
- Try-out System (Wax) can also be equipped into the machine. Result of injection product can be checked instantaneously without removing the mould from the press
- Side core test system can also be equipped and activated by single push of a button
- IDS is integrated with a standalone touch screen controller to keep operator at safe distance from the press and ease of operation.

- Simple operation
- Highest operation efficiency
- Time savings
- Limited operation stress

Operation Procedure



COSMOS: Service Support

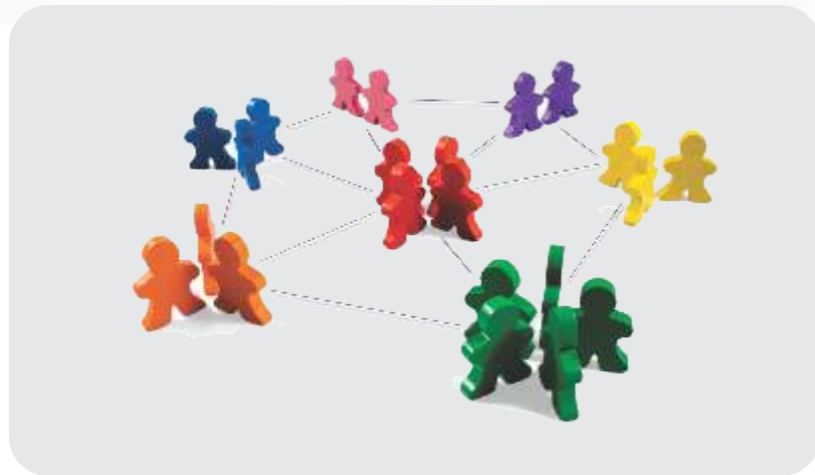
COSMOS as a leading provider of machine tools services is dedicated to enhancing our customer experience at every level of the organization. We do this through providing world class products supported by customer focused services and support in the form of COSMOS Service Line. Our goal is rewarding growth through exceeding the expectations of our customers every day.

Field Service

Qualified machine tool service keeps your business running. Our quick response times with knowledgeable, factory-trained engineers give us a distinct edge in our service capabilities. With our wide service network, our engineers are always a phone call away. May it be preventive maintenance or disaster management our service team has you covered for it all. The Cosmos service team will help maintain your machines for the many years to come.

Training

Get more out of your machines through proper training of your operating team at the COSMOS Training center. On machine training can be conducted giving the user an edge & added expertise on machine usage. Our application, programming, and service training modules will facilitate more efficient usage of your machine. Topics include machine servicing, hands-on operation, and Basic CNC programming.



COSMOS Service line is the first of its kind in the country. Its is a centralized system to maintain & record all service complaints the first calling point for all customers anywhere in India and with completely auto-tracking system for each problem until it is resolved. Once a complain is registered, on the spot troubleshooting is provided by our Sr.Enginers and if unresolved an engineer visit is scheduled.

Service Line No: + 91-9377666555 and E-mail: serviceline@cosmos.in

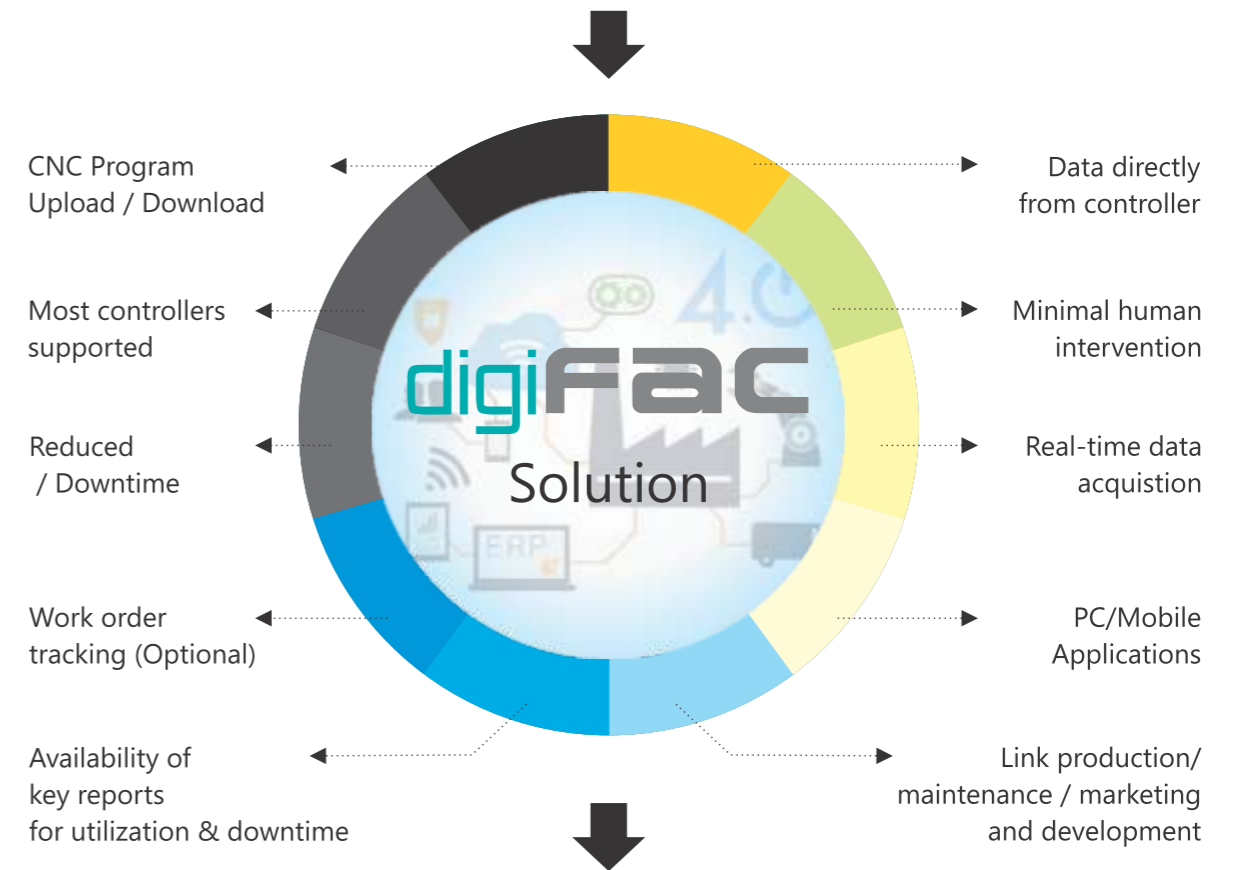


COSMOS: Moving Towards Industry 4.0

Through A Digital Factory Solution



Problems



Results

