

# Hi-MOLD Series

HYUNDAI WIA Vertical Machining Center for Mold Machining



# Technical Leader

The Vertical Machining Center Hi-MOLD Series designed by Hyundai WIA with years of expertise and the latest technology, ensures performance requirements of the mold industry.

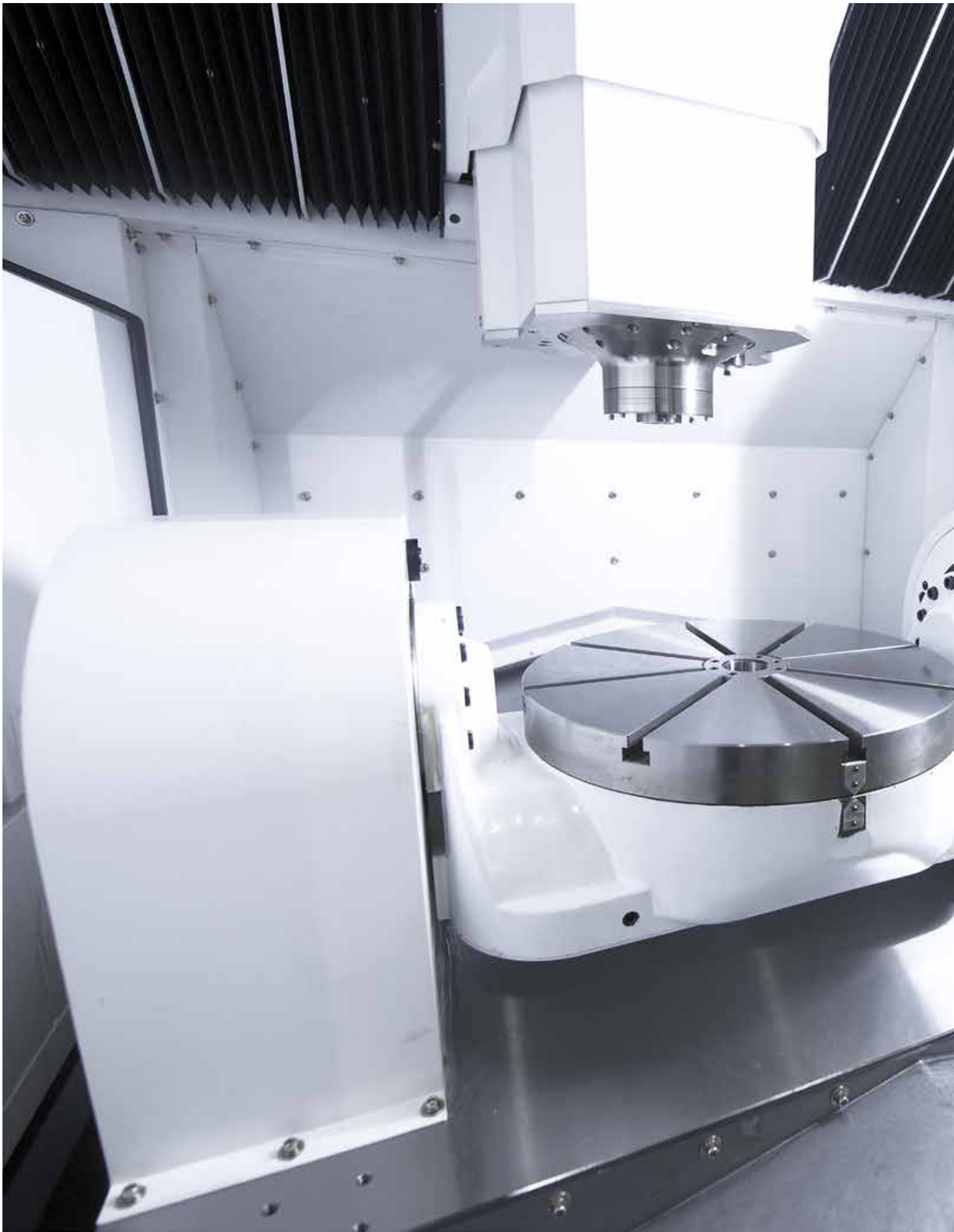


The Best Choice for High Quality Mold Machining

# Hi-MOLD Series

- Highly reliable bridge type structure
- Highly accurate main spindles with ultra precision angular contact bearings
- High speed built-in main spindle(40,000rpm) for the utmost quality of molds (OPTION)
- Built-in 5-axis table to satisfy various processing needs (Hi-MOLD560/5A)
- Hyundai WIA mold package delivers optimal processing of mold parts
- Latest SIEMENS 840D Controller for various software needs







## Super Quality Mold Machining

Hi- MOLD boasts a super stable bridge Type design to provide the highest quality of mold machining, and the ultra fast main spindle can operate up to 40,000rpm.

In addition, Hi-MOLD560/5A allows complex mold machining thanks to the built-in 5-axis table.

### Hi-MOLD450

Table Size	mm(in)	850×500 (33.46"×15.69")
Max. Load Capacity	kg(lb)	300 (660)
Spindle Taper	—	HSK-A63 [HSK-E40]
Spindle Speed	rpm	24,000 [40,000]
Spindle Output	kW(HP)	33/25 (44/33) [26/18 (35/24)]
No. of Tools	EA	24
Travel(X/Y/Z)	mm(in)	600/450/450 (23.6"/17.7"/17.7")
Rapid Traverse Rate	m/min(ipm)	50/50/50 (1,968/1,968/1,968)

### Hi-MOLD560

Table Size	mm(in)	1,250×600 (49.21"×23.62")
Max. Load Capacity	kg(lb)	800 (1,760)
Spindle Taper	—	HSK-A63 [HSK-E40]
Spindle Speed	rpm	24,000 [40,000]
Spindle Output	kW(HP)	33/25 (44/33) [26/18 (35/24)]
No. of Tools	EA	24
Travel(X/Y/Z)	mm(in)	1,000/560/450 (39.3"/22"/17.7")
Rapid Traverse Rate	m/min(ipm)	50/50/50 (1,968/1,968/1,968)

### Hi-MOLD560/5A

Table Size	mm(in)	Ø500×270 (19.68"×10.6")
Max. Load Capacity	kg(lb)	250 (550)
Spindle Taper	—	HSK-A63 [HSK-E40]
Spindle Speed	rpm	24,000 [40,000]
Spindle Output	kW(HP)	33/25 (44/33) [26/18 (35/24)]
No. of Tools	EA	24
Travel(X/Y/Z)	mm(in)	1,000/560/450 (39.3"/22"/17.7")
Rapid Traverse Rate	m/min(ipm)	50/50/50 (1,968/1,968/1,968)



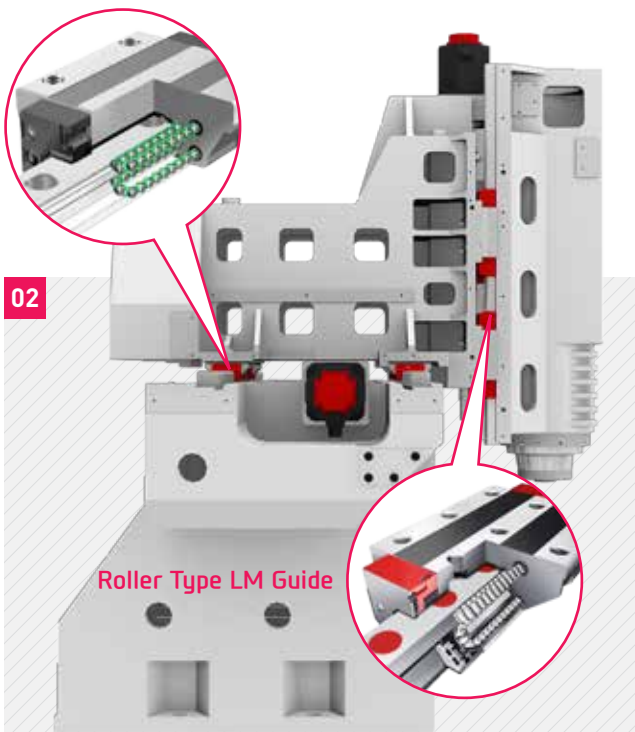
# 01

Hi-MOLD  
Series

## Hi-MOLD450/560

Super Quality & Productivity  
Vertical Machining Center

### Ball Type LM Guide



### Roller Type LM Guide

### Slideway

Each axis of the Hi-MOLD Series features slideways optimized to the model.

In order to allow for flexible axis movement, ball type LM guides on the X and Y axis as well as roller type guide on the Z axis were implemented within the headstock. This makes the axis travel super fast, reducing idle time tremendously.

### Ball Screw

All axes are driven by high precision double anchored ballscrews. This provides outstanding positioning and repeatability with virtually no thermal growth. All ballscrews are connected directly to the servo drive motors, to eliminate backlash.

01

### Wall Type Column Structure

The Hi-MOLD Series are built upon a wall type frame. The biggest benefit of the bridge type machining center is the increase of rigidity and the decrease of heat generation. Hence, it retains accuracy and repeatability at the highest levels.

### Built-in Spindle

Maximum spindle speed up to 24,000rpm(Opt: 40,000rpm) is possible due to the installation of ultra precision Angular Ball Bearings.



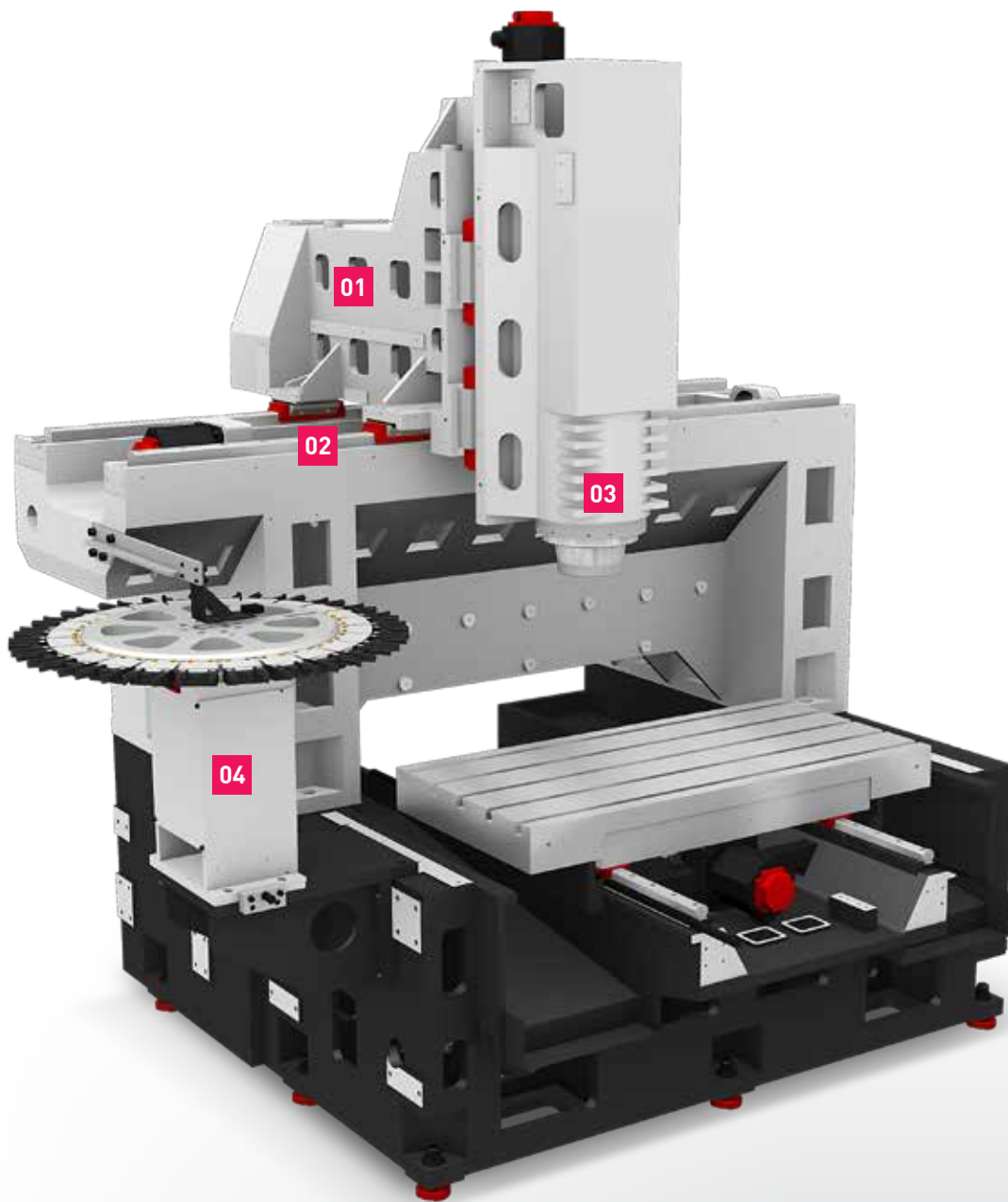
### Magazine

The tool magazine holds 24 tools as standard. Tools are stored away from the cutting area to ensure them to stay clean at all times.



● No. of Tools : 24 EA

## Basic Structure



### High Precision & High Speed Vertical Machining Center

- ◎ Spindle Speed : **24,000 [Opt. 40,000]** rpm
- ◎ Rapid Traverse Rate (X/Y/Z axis) : **50/50/50** m/min ( **1,968/1,968/1,968** ipm)
- ◎ Travel (X/Y/Z axis)    Hi-MOLD450 : **600/450/450** mm ( **23.6"/17.7"/17.7"** )  
   Hi-MOLD560 : **1,000/560/450** mm ( **39.3"/22"/17.7"** )

**02**  
Hi-MOLD  
Series

## Hi-MOLD560/5A

Super Quality & Productivity  
5 Axis Vertical Machining Center

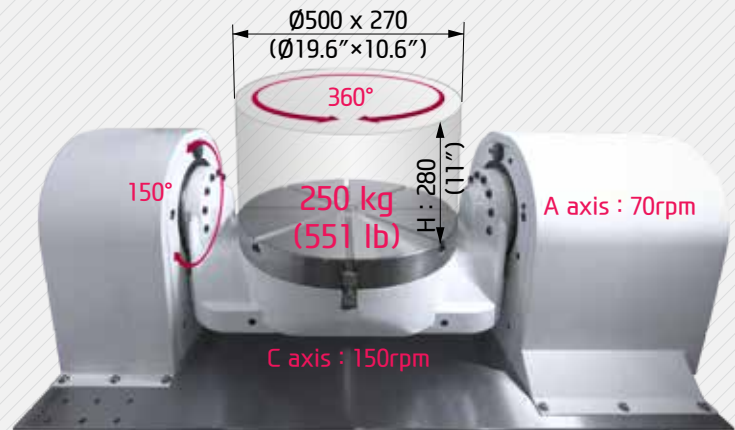




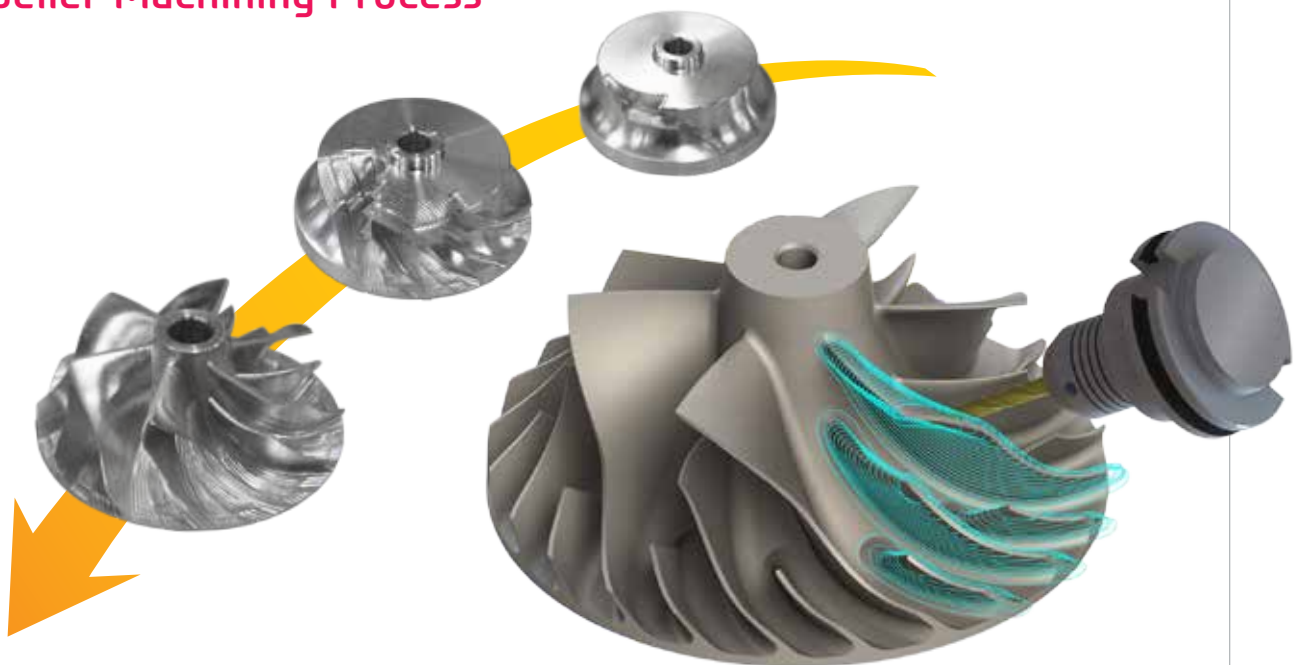
## Built-in Rotate Table

The built-in rotary table allows users to produce a wide range of complicated work pieces. The 'C' axis has full 360° rotation and the 'A' axis has 150° rotation. It is possible to clamp each axis for extra rigidity and accuracy when machining.

- ◉ **Table Size** :  $\varnothing 500 \times 270$  mm ( $\varnothing 19.6'' \times 10.6''$ )
- ◉ **Max. Load Capacity** : 250 kg (551 lb)
- ◉ **Max. Number of Rotation**  
A-axis : 70 rpm, C-axis : 150 rpm
- ◉ **Tilting Angle** :  $+30^\circ \sim -120^\circ$
- ◉ **Rotation Angle** :  $360^\circ$
- ◉ **Min. Directive Angle** :  $0.001^\circ$



## Impeller Machining Process



**03**  
Hi-MOLD  
Series

## High Precision Spindle

Long Lasting High Accuracy & Excellent Performance  
Vertical Machining Center



## Built-In Spindle

The built-in Spindle, designed with Angular Contact Bearings at front and back, can rotate at 24,000rpm. Also, high speed and high precision machining are possible with its rapid acceleration/deceleration.

Especially, it reduces noise and vibration generated by high speed cutting, and minimizes thermal displacement to enable stable machining.

## Spindle Cooling

Spindle temperatures are controlled by the use of an oil chiller. This ensures constant spindle temperature and minimizes thermal displacement leading to stable machining.

## 40,000rpm Spindle **OPTION**

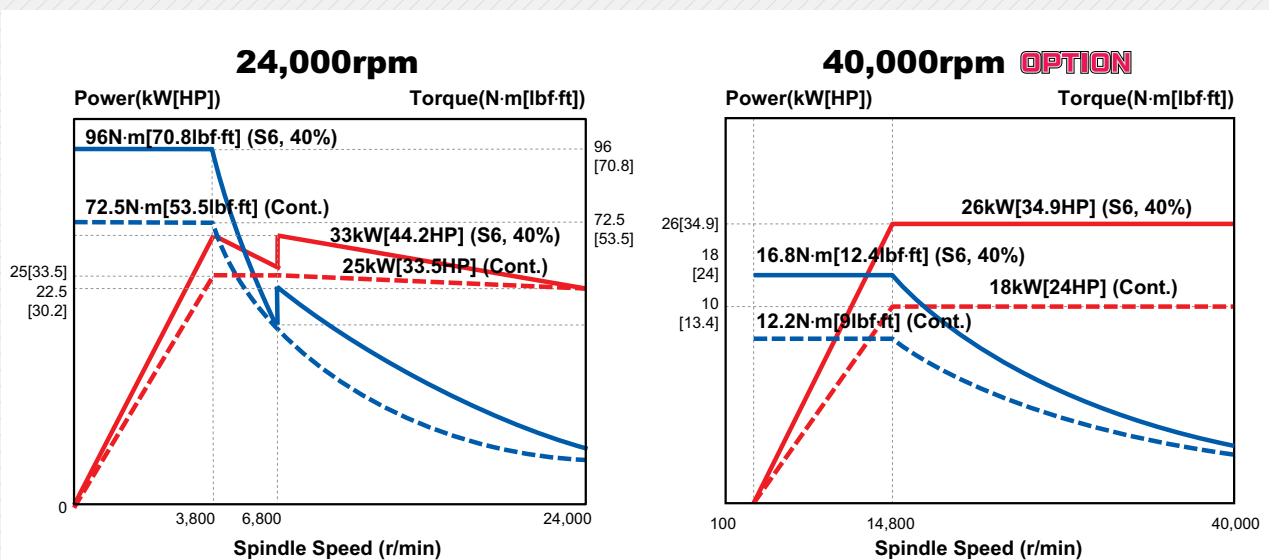
For the Hi-MOLD Series, it is possible to upgrade the spindle to **40,000** rpm. This high speed spindle provides upgraded performance.

## ThroughSpindle Coolant**OPTION**

Through Spindle Coolant is exceedingly useful when drilling deep holes. It helps increase the lifetime of the tool, while decreasing cycle time.



**20 bar / 70 bar**  
**(290 psi / 1,015 psi)**



# 04

Hi-MOLD  
Series

## Magazine & Table

Long Lasting High Accuracy & Excellent Performance  
Vertical Machining Center



### MAGAZINE

The tool magazine and machining area are completely separated by a shutter so that chip, coolant and dust particles can be blocked. This helps to maintain high precision and cleanliness. Also, a 24-pockets tool magazine is provided for machining flexibility and user convenience.

- Number of Tools : **24** EA
- Tool Change Time (T-T/C-C) : **2.6/5.5** sec
- Tool Shank : **HSK-A63 [HSK-E40]**
- Max. Length of Tools : **300** mm (**11.8**" )
- Max. Weight of Tools    24,000rpm : **8** kg (**17.6** lb)    40,000rpm : **1.5** kg (**3.3** lb)
- Max. Diameter of Tools/ (W.T/W.O)
- 24,000rpm : **Ø100/Ø140 (Ø3.9/Ø5.5)**    40,000rpm : **Ø70/Ø140 (Ø2.7/Ø5.5)**

## HSK Tool Holder

The HSK spindle offers the fastest material removal rates, highest accuracy and rigidity. It guarantees stability at high speed which is excellent for mold machining.



## Table Machining Area (Hi-MOLD450/560)

Compared to competitive machines, the Hi-Mold Series has a large work envelop making setup and use easy and convenient for the operator.

• **Table Size** (L x W)

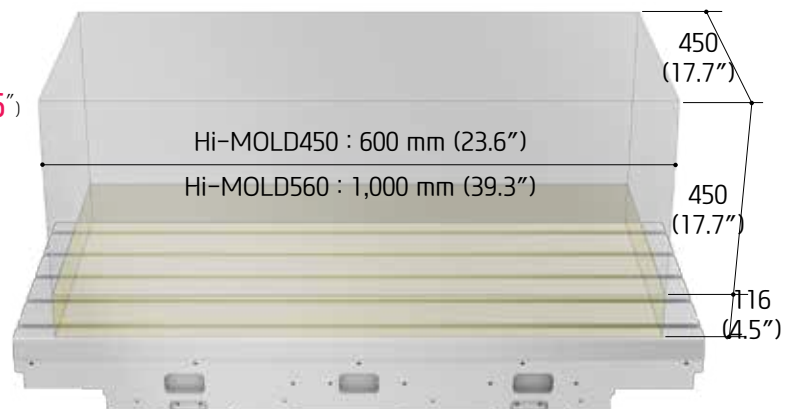
Hi-MOLD450 : 850/500 mm (33.4"/19.6")

Hi-MOLD560 : 1,250/600 mm (49.2"/23.6")

• **Table Load Capacity**

Hi-MOLD450 : 300 kg (661.4 lb)

Hi-MOLD560 : 800 kg (1,763.7 lb)



# 05

Hi-MOLD  
Series

## SIEMENS Controller

The Powerful CNC platform for Machine Tools



# SIEMENS

**DIFFERENTIATED CAPABILITIES,  
INTEGRATED ENGINEERING PERFECTLY INTERLINKED**

SIEMENS 840D Milling is the latest generation controller, with the capability of running up to 5 spindles on one machine. It is designed for horizontal/vertical all-purpose equipment.

The powerful 80-bit controller reduces processing time and increases productivity. It supports the preparation of a variety of programs and setup functions. It is easy to handle.



## SIEMENS Technology

### Shop Mill

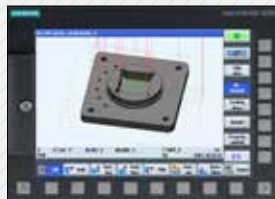
- Dialogue-type programming, simple and convenient
- Effective specifications for small quantity batch production
- Step-by-step operation possible without knowledge of the DIN/ISO code



OPTION

### 3D Simulation

- 3D confirmation of the completed processing configuration of the NC program is possible.
- Offers standards for 2D simulation.
- Possible to confirm the simulation of the NC program during processing.



OPTION

### Easy Extend

- Easy to install/uninstall an option (Ex : barfeeder and chip conveyor, etc.)
- Possible to install in one motion without revision of individual perimeters.
- A spate list is unnecessary as option items are indicated with letters.



## SIEMENS Communication



Easy input/output of a program is possible as a USB memory card, a CF memory card and LAN can all be used.

### ISO Code Programming



If the ISO Dialect (G291) is ordered, JIS-based G-code programs can be used. (Standard)

# n6

Hi-MOLD  
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## Mold Package



Powerful Mold Package,  
HYUNDAI-WIA Mold All in One



### HWM ALL-IN-ONE

To enhance mold machining, the "HWM ALL-IN-ONE" is provided as a standard feature for Hi-MOLD Series machines.

This ensures accurate and high quality surface finishing and contouring.



**SIEMENS 840D**



- 1 Mdynamic (High Speed/High Rigidity Function)
- 2 Automatic Power Suppression Unit



- 3 Main Spindle Cooling Device (8-channel)  
Maintains temperature on the main spindle from thermal displacement. (heat sensor)



- 4 Cutting Air Blow  
Cutting air blow is provided for mold machining



- 5 Contact Probe(RENISHAW TS27R)  
Detects and sets tool length, and attrition (Graphic User Interface included)



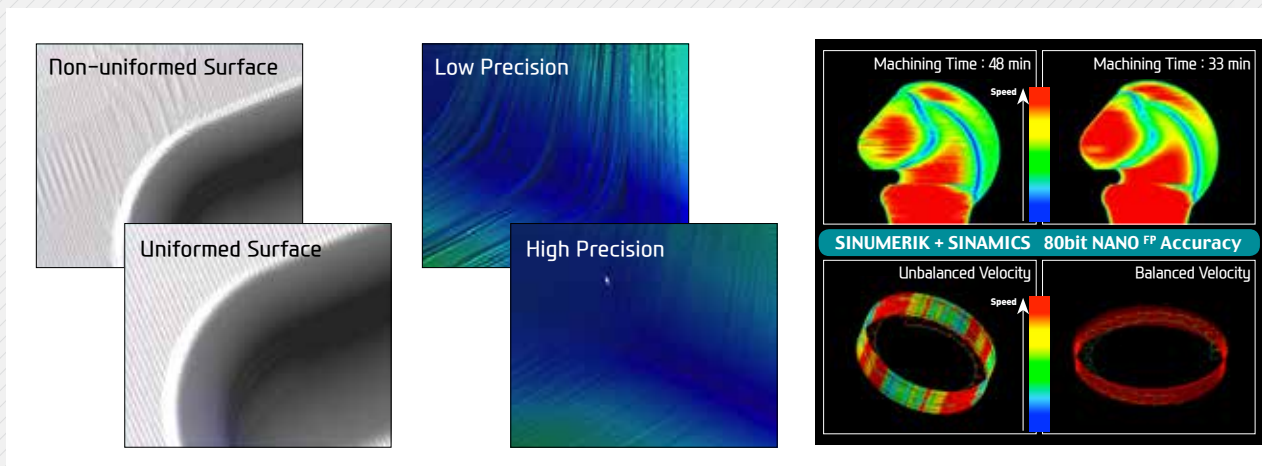
## SIEMENS

### MDynamics 3+5-Axis Package

- Shop Mill
- Remaining material sensing
- Manufacturing form pocket and cutting
- 3D simulation 1 (assembled parts)
- Real-time Simulation
- Advance Surface
- Spline Interpolation
- Transmitting and Circumferential Shift
- Measurement Cycle
- Additional HMI Memory on CF Card
- 5-axis Processing Package
- Coordinate System Measuring
- 3D Tool Radius Compensation



## Advanced Surface



- Advanced Surface software for high speed, high accuracy mold processing
- 80-bit floating-point calculation enable to calculate numbers less than a nanometer
- A brand new filter for speed and acceleration control - Improves upon the problems of intensity of illumination due to irregular CAM data
- Standard jerk-restriction function to ease deceleration impact - Minimized vibration and high-speed deceleration
- Standard feed-forward function for speed control - Improves contouring accuracy by correcting the following error before setting point output



#### Measuring Device

##### Touch Sensor

Workpiece coordinate values can be set automatically using the optional spindle probe.



##### TLM - Laser & Touch

Tool lengths and diameters can be set automatically using the optional tool setter. This can also be used to monitor tool attrition and detect broken tools.



Laser Type



Touch Type

#### Precision Device

##### Linear Scale

Linear scales can be applied when highly accurate positioning is required.



#### Hydraulic Device

##### Hydraulic Supply Unit

Instead of the standard hydraulic supply unit, an optional fixture unit can bring the pressure up to **70 bar (1,015 psi)**, maximizing the clamping force on the fixture.



#### Environment Device

##### Oil Skimmer

An oil skimmer can increase coolant and tool life by removing tramp oil contaminants.



##### Mist Collector

Mist Collector reduces the amount of smoke and oil mist in the air. This helps build a safe and comfortable working environment and improve durability.



Optional



## Chip Conveyor

Timely and effective disposal of chips will enhance productivity as well as the working environment.

- **Hinge Belt Type** : Highly efficient when disposing a lot of chips. Capable of handling stringy chips. **(Long Chip)**
- **Scraper Type** : Convenient for shortly cut chips.. **(Short Chip)**
- **Drum Filter Type** : Advantageous in precision, as the chips do not flow in to the coolant nozzle. **(AL Chip)**

## Coolant Unit

Std. Coolant (Nozzle)	<b>Standard</b>
Bed Flushing Coolant	<b>Standard</b>
Spindle Coolant Nozzle	<b>Standard</b>
Through Spindle Coolant (20/30 bar [290/435 psi])	<b>Option</b>
Shower Coolant	<b>Option</b>
Gun Coolant	<b>Option</b>



Bed Flushing Coolant



## Coolant Nozzle (Standard)

### Spindle Coolant Nozzle

The Hi-MOLD Series also features 6 coolant nozzles on main spindle as standard to allow direction control, which improves precision of processing by adequate supplying of cutting oil.

# SPECIFICATIONS

## Hi-MOLD Series Standard & Optional

		450	560	560/5A
<b>Spindle</b>				
24,000rpm(33/25kW)	Built-in	●	●	●
40,000rpm(26/18kW)	Built-in	○	○	○
Spindle Cooling System		●	●	●
<b>ATC</b>				
ATC Extension	24	●	●	●
Tool Shank Type	HSK A63	●	●	●
	HSK E40	○	○	○
U-Center	D'andrea	-	-	-
<b>Table &amp; Column</b>				
APC	Rotary Turn	-	-	-
Tap Type Table		-	-	-
T-Slot Table		●	●	●
NCRotary Table		-	-	●
Hgh Column	180mm (7")	○	○	-
<b>Coolant System</b>				
Std. Coolant (Nozzle)		●	●	●
Bed Flushing Coolant		●	●	●
Through Spindle Coolant*	20bar (290 psi)	○	○	○
	30bar (435 psi), 20 ℓ (5.3 gal)	○	○	○
	70bar (1,015 psi), 15 ℓ (4 gal)	○	○	○
Top Cover		●	●	●
Shower Coolant		○	○	○
Gun Coolant		○	○	○
Side Oil Hole Coolant		-	-	-
Air Gun		○	○	○
Cutting Air Blow		●	●	●
Tool Measuring Air Blow (Only for TLM)		●	●	●
Air Blow for Automation		☆	☆	☆
Thru MQL Device (Without MQL)		☆	☆	☆
Coolant Chiller		☆	☆	☆
Power Coolant System (For Automation)		☆	☆	☆
<b>Chip Disposal</b>				
Coolant Tank	350 ℓ (92.5 gal)	●	-	-
	450 ℓ (118.9 gal)	-	●	●
Cabin Screw Chip Conveyor		-	-	-
Chip Conveyor (Tank Position/Chip Disposal)	Hinge Scraper			
	Left(Left)	○	○	○
Special Chip Conveyor (Drum Filter)		☆	☆	☆
Chip Wagon	Standard (180 ℓ [47.5 gal])	○	○	○
	Swing (200 ℓ [52.8 gal])	○	○	○
	Large Swing (290 ℓ [76.6 gal])	○	○	○
	Large Size (330 ℓ [87.2 gal])	○	○	○
	Customized	☆	☆	☆
<b>Safety Device</b>				
Total Splash Guard		●	●	●
X Axis Javara Cover (TOP)		○	○	○
<b>S/W</b>				
DNC Software (HW-eDNC)		○	○	○
Spindle Heat Distortion Compensation (HW-TDC)		●	●	●
Spindle Warm up Function (HW-WARMUP)		●	●	●
Machine Monitoring System (HW-MMS)		☆	☆	☆
<b>ETC</b>				
Tool Box		●	●	●
Customized Color	Need for Munsel No.	☆	☆	☆
CAD&CAM Software		☆	☆	☆

● : Standard ○ : Option ☆ : Prior Consultation - : Non Applicable

		450	560	560/5A
<b>Electric Device</b>				
Call Light	1 Color : ●	●	●	●
Call Light	3 Color : ● ● ●	○	○	○
Call Light & Buzzer	3 Color : ● ● ● B	○	○	○
Work Light		●	●	●
Electric Cabinet Light		○	○	○
Door Inter-Lock		●	●	●
Remote MPG		●	●	●
3 Axis MPG		☆	☆	☆
Spindle Load Meter	Built-in	●	●	●
Spindle Speed Meter	Built-in	●	●	●
Work Counter	Digital	○	○	○
Total Counter	Digital	○	○	○
Tool Counter	Digital	○	○	○
Multi Tool Counter	6ea	○	○	○
	9ea	○	○	○
Electric Circuit Breaker		○	○	○
AVR (Auto Voltage Regulator)		☆	☆	☆
Transformer	220V: 50kVA	●	●	-
	220V: 60kVA	-	-	●
	400V: 25kVA	●	●	●
Flash Memory Card		○	○	○
Auto Power Off		●	●	●
Back up Module for Black out		☆	☆	☆
<b>Measuring Device</b>				
Air Zero	TACO	○	○	○
	SMC	○	○	○
<b>Work Measuring Device</b>				
TLM	Touch	●	●	●
(Marposs/Renishaw/Bloom)	Laser	○	○	○
Tool Broken Detecting Device		○	○	○
Linear Scale	X/Y/Z Axis	○	○	○
Rotary Scale	A/C Axis	-	-	●
Coolant Level Sensor (Only for Chip Conveyor)		☆	☆	☆
<b>Environment</b>				
Air Conditioner		○	○	○
Dehumidifier		○	○	○
Oil Mist Collector		○	○	○
Oil Skimmer (Only for Chip Conveyor)		○	○	○
MQL (Minimal Quantity Lubrication)		○	○	○
<b>Fixture &amp; Automation</b>				
Auto Door	Std.	☆	☆	○
	High Speed	○	○	○
Auto Shutter (Only for Automatic System)		-	-	-
Sub Operation Panel		☆	☆	☆
NCRotary Table I/F	Single	○	○	-
	Channel	☆	☆	-
Control of Additional Axis	1 Axis	☆	☆	-
	2 Axis	☆	☆	●
External M code 4ea		○	○	○
Automation Interface		☆	☆	☆
I/O Extension (In & Out)	16Contact	○	○	○
	32Contact	○	○	○
<b>Hyd. Device</b>				
Std. Hyd. Unit	65bar (942.7 psi) / 30 ℓ (7.9 gal)	●	●	●
Center Type Hyd. Supply Unit (Upper)		-	-	-
Hyd. Unit for Fixture	45bar (652.7 psi)	○	○	○
	70bar (1,015 psi)	○	○	○
	100bar (1,450 psi)	☆	☆	☆
	Customized	☆	☆	☆

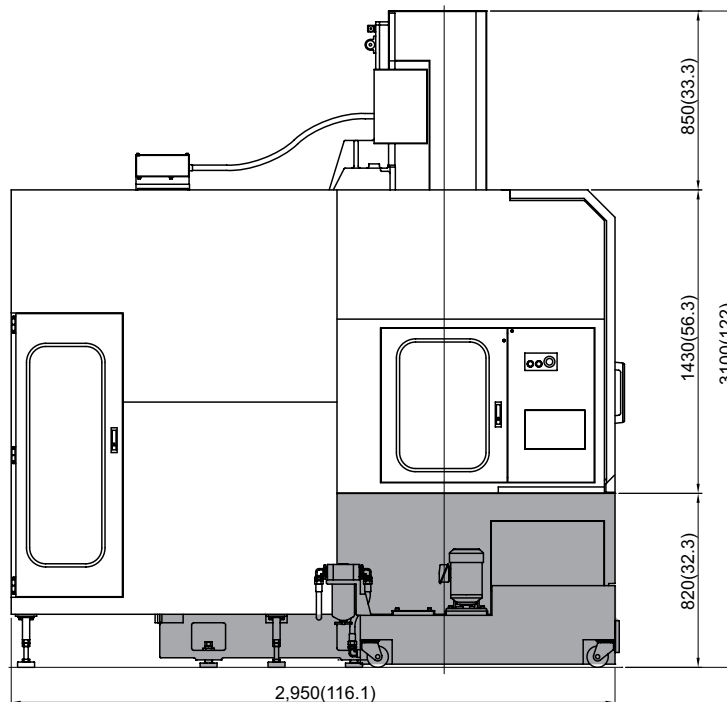
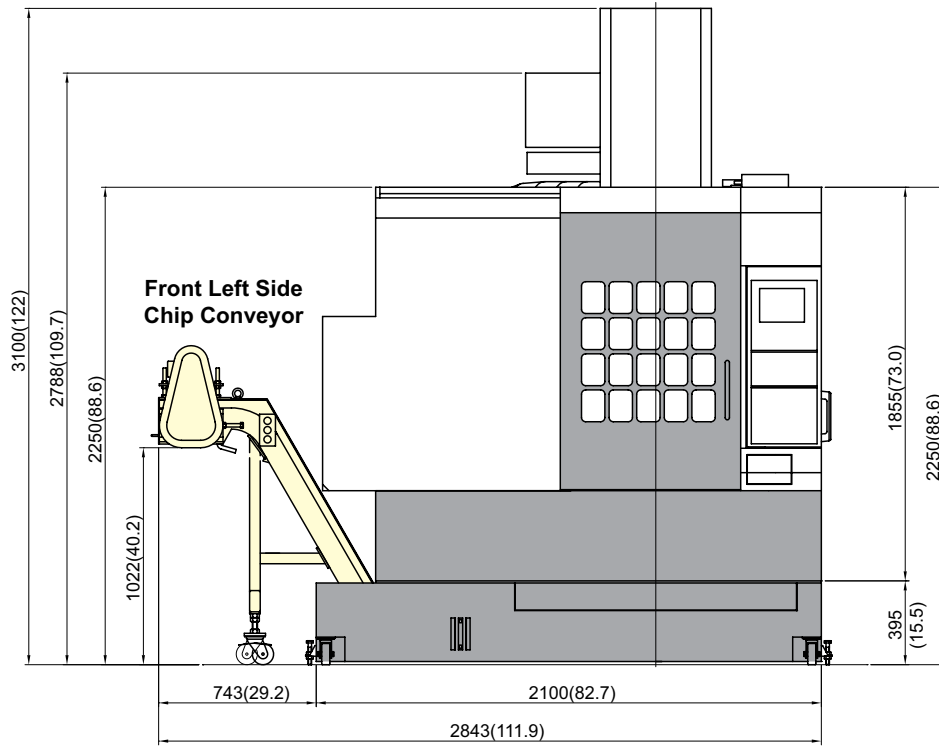
Through Spindle Coolant\* : Please check the filter types with sales representative.  
Specifications are subject to change without notice for improvement.

# SPECIFICATIONS

## External Dimensions

unit : mm(in)

### Hi-MOLD450

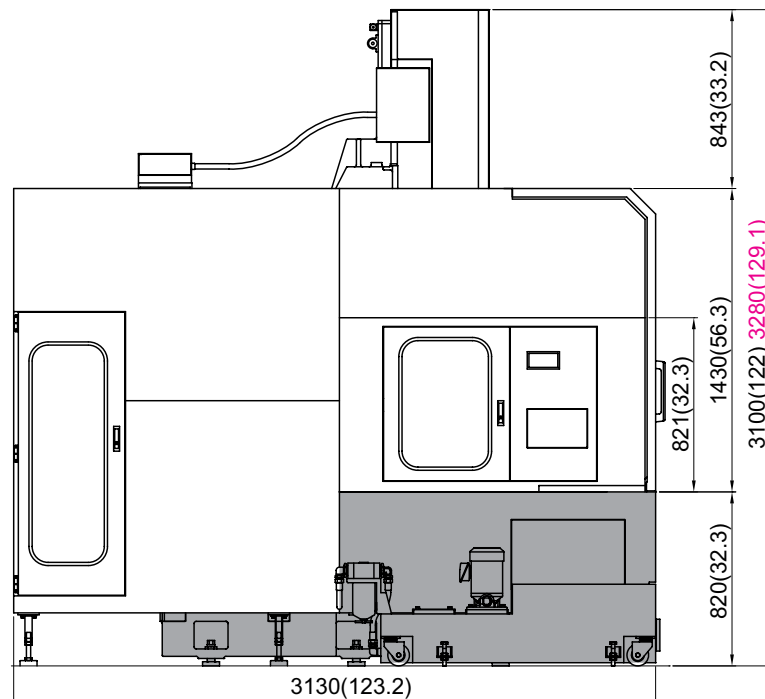
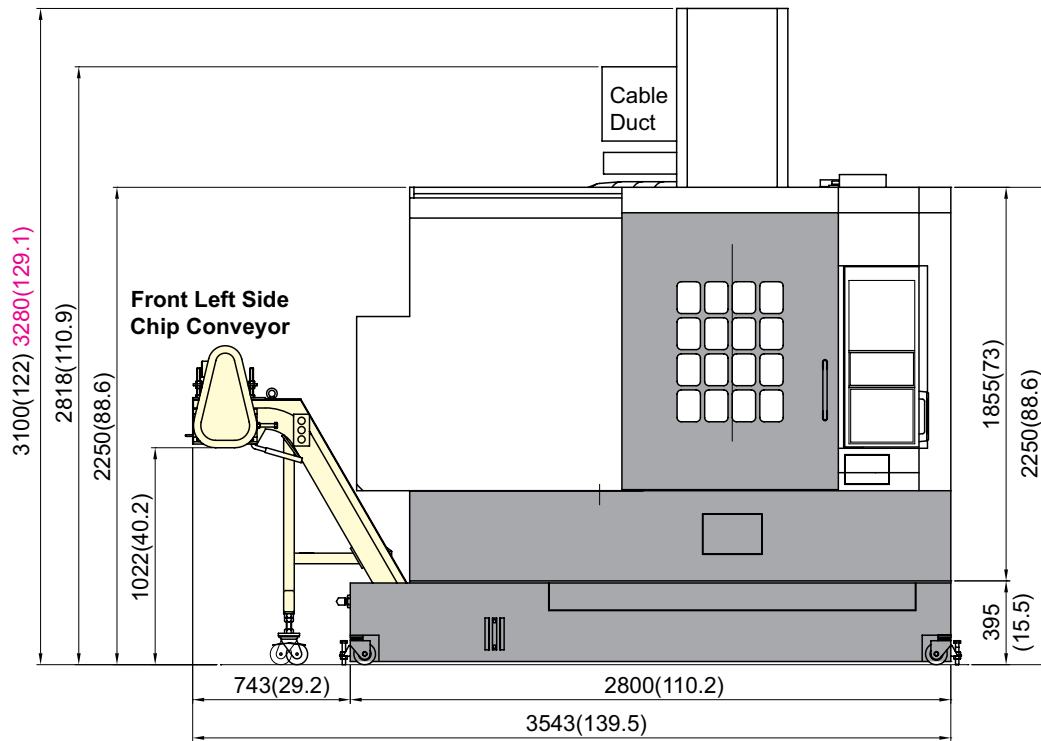


# SPECIFICATIONS

## External Dimensions

unit : mm(in)

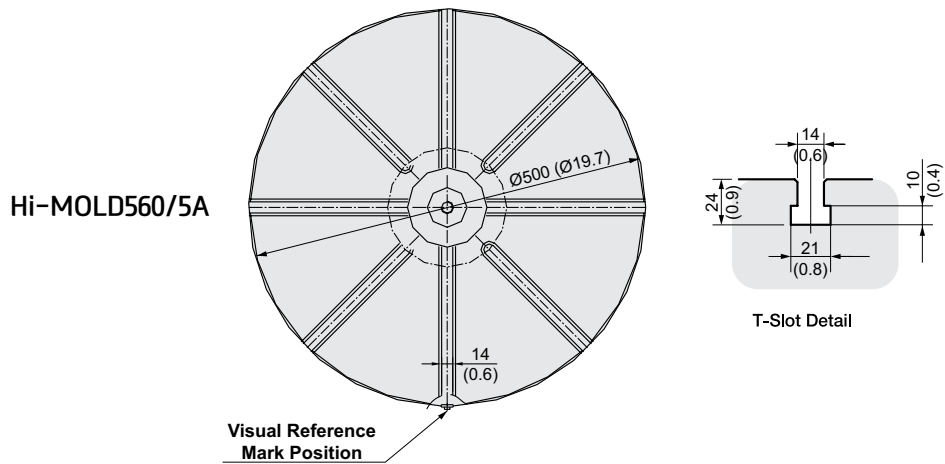
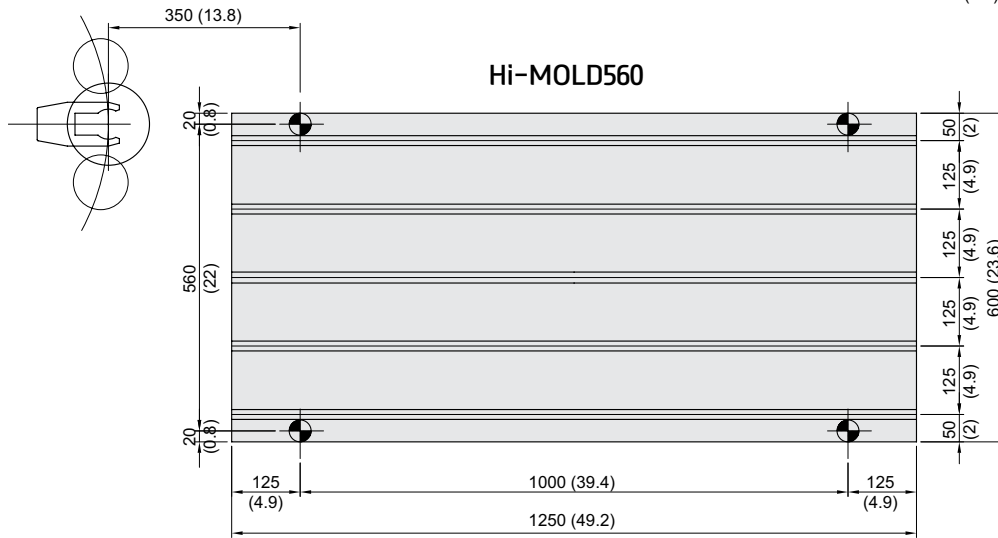
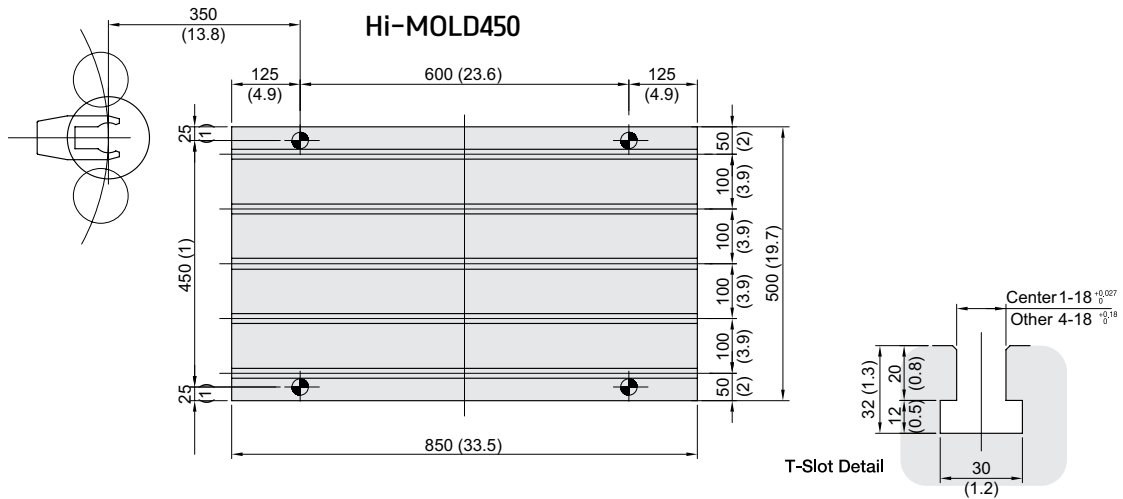
### Hi-MOLD560 | 560/5A



# SPECIFICATIONS

## Table Dimensions

unit : mm(in)

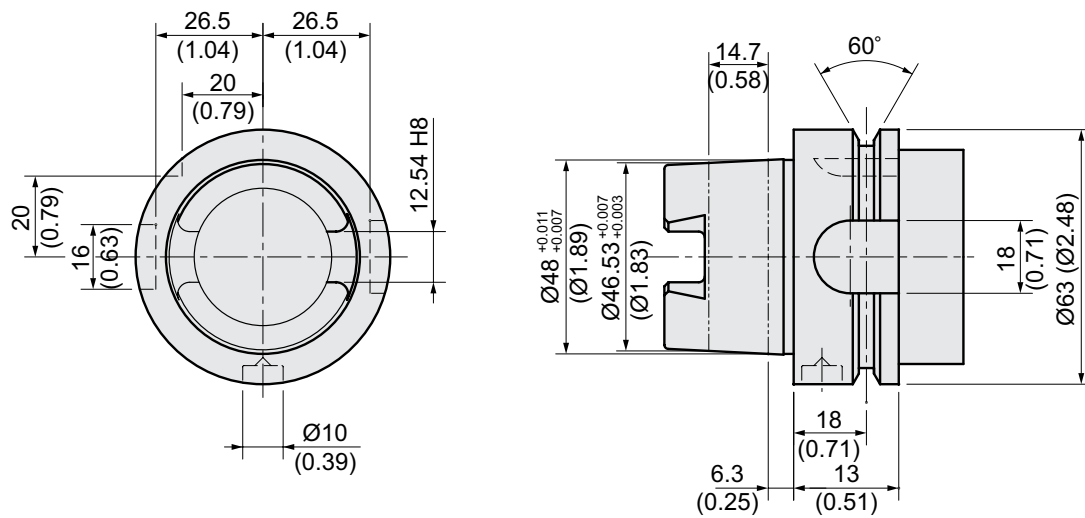


# SPECIFICATIONS

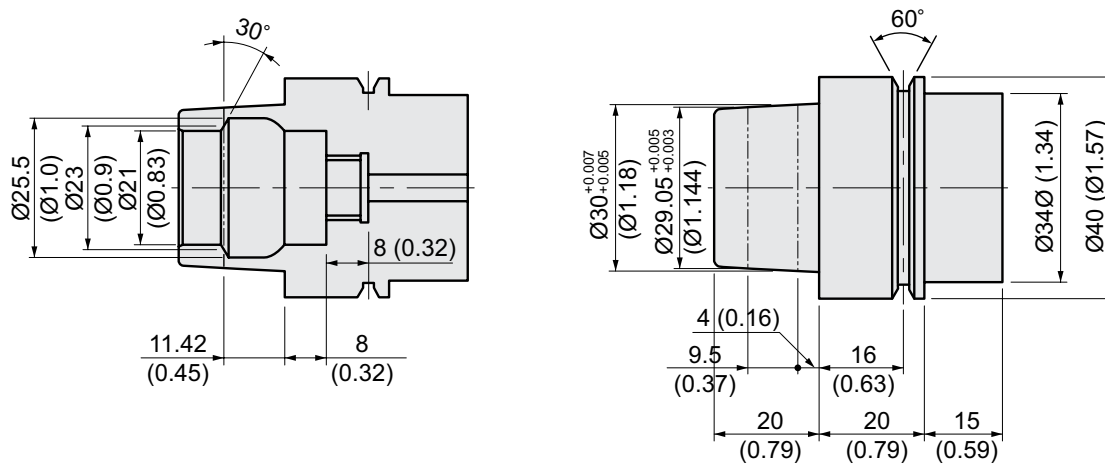
Tool Shank

unit : mm(in)

## HSK-A63 (24,000rpm)



## HSK-E40 (40,000rpm)





# SPECIFICATIONS

## Specifications

[ ] : Option

ITEM		Hi-MOLD450	Hi-MOLD560	Hi-MOLD560/5A	
TABLE	Table Size	mm(in)	850×500 (33.7"×15.7")	1,250×600 (49.2"×23.6")	
	Maximum Load Capacity	kg(lb)	300 (660)	800 (1,760)	
	Table Change Time	sec		-	
	Change Method	-		-	
	Table Driving Method	-		-	
SPINDLE	Spindle Taper	-	HSK-A63 [HSK-E40]		
	Spindle RPM	r/min	HSK-A63 : 24,000 [HSK-E40 : 40,000]		
	Spindle Power Output (Max./Cont.)	kW(HP)	33/25 (44/33) [26/18 (35/24)]		
	Spindle Torque (Max./Cont.)	N·m(lbf·ft)	96/72.5 (70.8/53.4) [16.5/12(12.2/39.4)]		
	Spindle Driving Method	-	BUILT-IN		
FEED	Travel (X/Y/Z)	X/Y/Z Axis	mm(in)	600(+350 ATC)/450/450 (23.6"/17.7"/17.7")	
		A/C Axis	deg	-	
	Distance from Table Surface to SP	mm(in)	160 ~ 610 (6.3"~24")		
	Distance from Column to SP. center	mm(in)	370 (14.57")		
	Rapid Traverse Rate	X/Y/Z Axis	m/min(ipm)	50/50/50 (1,968/1,968/1,968)	
		A/C Axis	r/min	-	70/150
	Slide Type	-	X/Y-Axis : LM GUIDE, Z-Axis : ROLLER GUIDE		
ATC	Number of Tools	ea	24		
	Tool Shank	-	HSK-A63 : 24,000 [HSK-E40 : 40,000]		
	Max. Tool Dia. (W/T Adjacent Tool)	24,000rpm	mm(in)	Ø100/Ø140 (Ø4.7"/Ø5.5")	
		40,000rpm	mm(in)	Ø70/Ø140 (Ø2.7"/Ø5.5")	
	Max. Tool Length	mm(in)	300 (11.8")		
	Max. Tool Weight	24,000rpm	kg(lb)	8 (17.6)	
		40,000rpm	kg(lb)	1.5 (3.3)	
Tool Selection Method	-	Fixed Address			
TANK CAPACITY	Coolant Tank	ℓ (gal)	350 (92.5)	450 (118.8)	
	Lubricating Tank	ℓ (gal)	3 (0.8)		
	Hydraulic Tank	ℓ (gal)	30 (8)		
POWER SUPPLY	Air Consumption (0.5MPa)	ℓ /min(gal/min)	500 (132)		
	Electric Power Supply	KVA	45	60	
	Thickness of Power Cable	Sq	Over 35		
	Voltage	V/Hz	220/60 (200/50)		
MACHINE	Floor Space (L×W)	mm(in)	2,100×2,950 (82.7"×116.1")	2,800×3,130 (110.2"×123.2")	
	Height	mm(in)	3,100 (122")		
	Weight	kg(lb)	8,500 (18,739)	10,000 (22,046)	
PC	Controller	-	SIEMENS 840D		

Specifications are subject to change without notice for improvement.

# CONTROLLER

## SIEMENS 840D

### Control Function

Max. configuration of axis	Max 5-axes (Max. 31 Axes)
Max. configuration of axis and sp.	Max 5-axes (Max. 31 Axes)
Least Command/input	0.001mm / 0.0001inch

### Feed Function

Feedrate Override	0 - 120%
Rapid Traverse Override	F0, 25, 50, 100%

### Tool Function

Tool Radius Comp.	
Zero Offset	6EA (MAX:100EA)
(G54, G55, G56, G57, G58, G59)	
Programmable Zero Offset	
3D Tool Radius Compensation	

### Display

Language	Chinese Simplified, English, French German, Italian, Spanish
CRT/MDI	TFT 10.4" Color
Screen saver	

### Spindle Function

Spindle Override	50% - 120%
Spindle Orientation	
Spindle Speed Limitation	
Rigid Tapping	

### Manual Operation

Manual Handle/Jog Feed	
Reposition	
Reference Approach	Ref 1, 2 Approach
Spindle Control	Start, Stop, Rev, Jog, Ort.

### Auto Operation

Single Block	
Feed Hold	
Optional Block Skip	
Machine Lock (PRT)	
Dry Run	
Simulation	

### Diagnosis Function

Alarm Display	
Monitor	

### Programming Function

Part Program Storage Length	3MB(7500M) **Additional CF card (512MB) possible
Program Name	23 digits
Subroutine Call	7Level
Absolute/incremental Command	G90 - G91

### Programming Input & Interpolation Function

Scaling / Rotation	
Inch / Metric Conversion	
Conversational Cycle Program	
Block Search	
Macro	
Read/Write System Variable	
BackGround Editing	
Miscellaneous Functions	M - Code
Skip	
Program Stop	M00, M01, M02, M30
Lookahead, Jerk Limitation Feed & Forward Control	
Helical interpolation	
COMPCAD, COMPCURB	
Cylindrical interpolation	
Work Coordinate interpolation	
Interactive Program	
Fanuc Program exe.	
Machining Package Milling	
Temperature Compensation	

### Protection Function

Emergency Stop	
Soft Limit / Over Travel	
Contour Monitoring	
Program Protection	

### Automation Support Fun.

Actual Speed Display	
Tool Life Management	Time, Parts
Work Count	Internal

### Language

Two Language Switchable	Chinese Traditional, Czech, Danish Dutch, Finnish, Hungarian, Japanese Korean, Polish, Russian, Swedish Portuguese, Turkish
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### DATA Transfer

RS 232C I/F	
Ethernet	

### Option

Display	With Harddisk
Data transfer	Only PCU50

# GLOBAL NETWORK



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Hi-MOLD560/5A Movie