



Ningbo Dagang Production Base



Ningbo Yanshan Production Base



Dalian Production Base



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MOUS/MOUP SERIES

Fixed Crossrail High-Speed
Double Column Machining Center

GRUIIe/GNUe SERIES

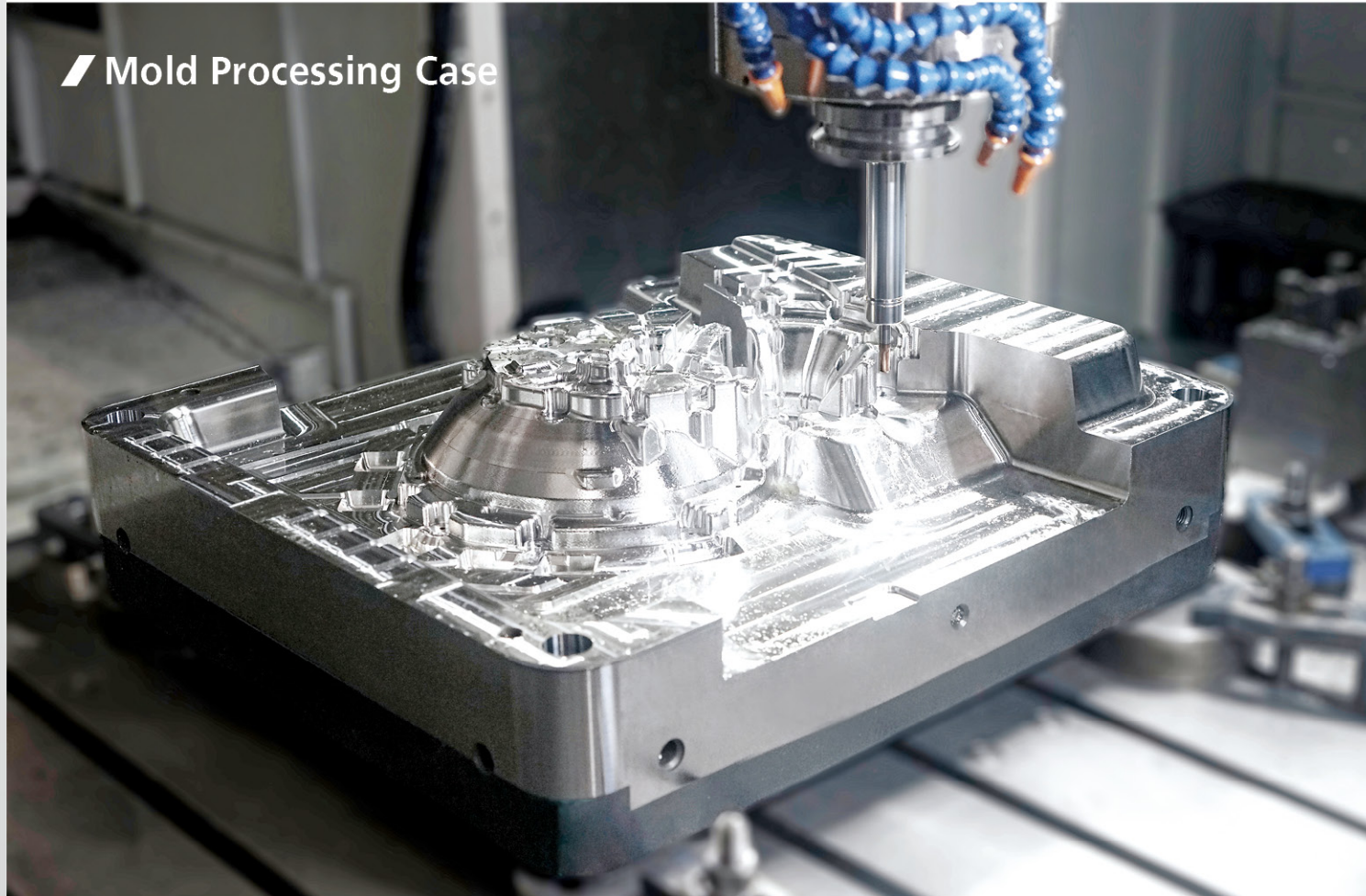
Fixed Crossrail
Double Column Machining Center

**HIGH SPEED
HIGH EFFICIENCY
HIGH ACCURACY**

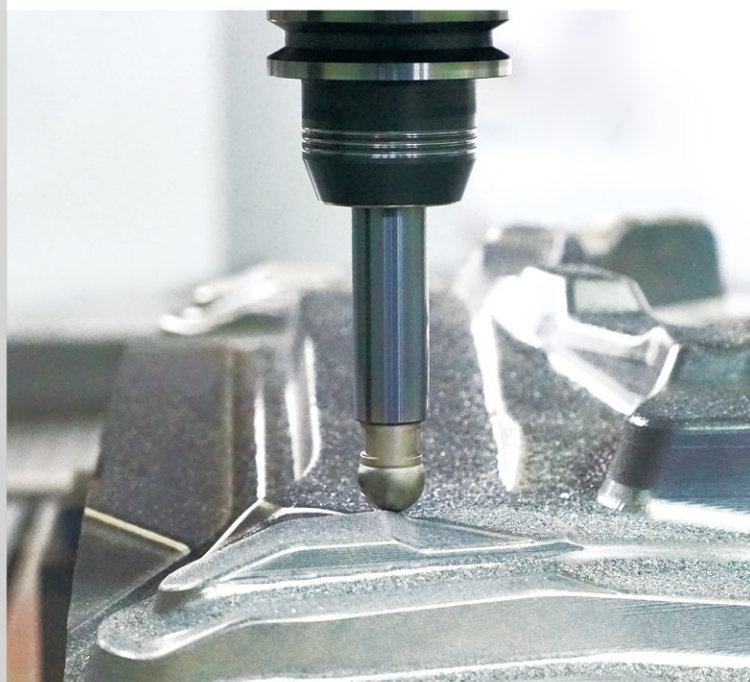
High Speed
High Efficiency
High Accuracy

HISION

/// Mold Processing Case



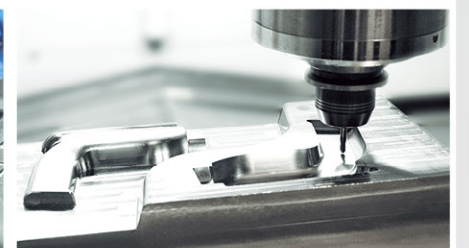
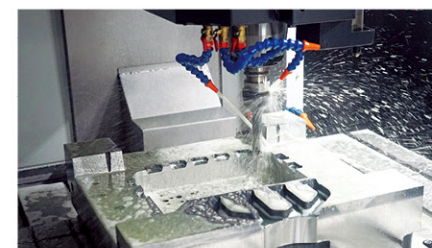
MOUS 13/16 series
MOUP 13/16 series



MOUS/MOUP series Fixed Crossrail High-speed Double Column Machining Center

The high-speed series adopts Hision's patented technology to combine high-end technology such as high dynamic response, ergonomics, energy saving and environmental protection to present a perfect high-speed cutting experience for users.

The product is suitable for processing in high hardness materials, non-ferrous metals, plastics and other fields. Widely used in high-end manufacturing industries such as mold, aerospace, rail transportation, automobiles, house appliances, and medical.



High Speed
High Efficiency
High Accuracy

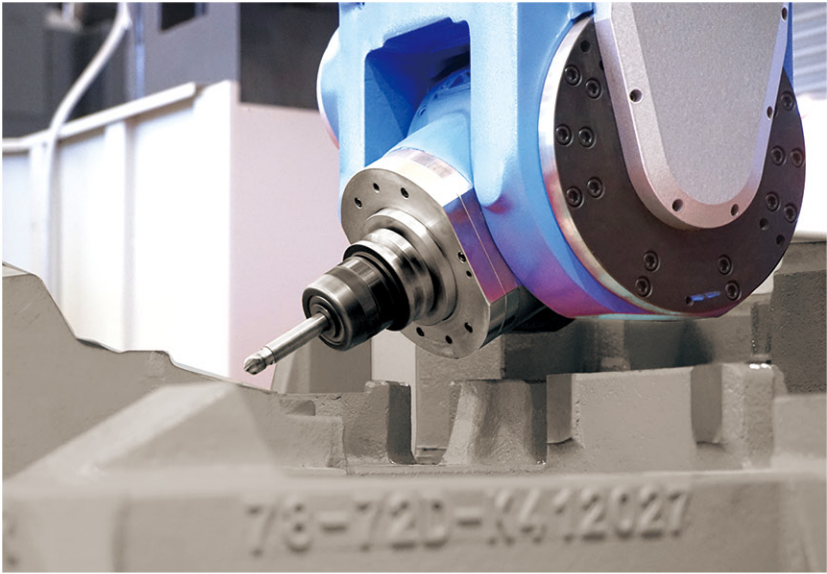


Main Technical Parameters

Items	Unit	MOUS13x8	MOUS13x16	MOUS13x21	MOUS16x20	MOUS16x25	MOUS16x30
> Machining Capacity							
X travel	mm	1300	1600	2000	2000	2500	3100
Y travel	mm	800	1300		1500		
Z travel	mm	700			800		
Distance between columns	mm	1380			1580		
Spindle nose to table surface	mm	150-850			200-1000		
> Table							
Table size	mm	1300x850	1300x1800	1300x2200	1500x2000	1500x2500	1500x3000
Max. table loading	t	1.5	4	5	6	8	10
T slot size		22x160x5	22x160x8		22x160x9		
> Feed rate							
Cutting feedrate (X/Y/Z)	m/min	20/20/20		16/20/20			
Rapid traverse (X/Y/Z)	m/min	20/24/24		18/24/24			
> Spindle							
Drive type		Built-in spindle					
Spindle speed	rpm	12000					
Spindle power(S1/S6)	Low speed	kW	15/18.5				
	High speed		18.5/22				
Spindle torque(S1/S6)	Low speed	N.m	95.5/167				
	High speed		50.5/60				
Spindle taper		BT40					
Ram section	mm	350x350					
> Tool magazine(Optional)							
Tool magazine capacity	T	20/24					
Tool shank type		BT40					
Max. tool diameter(Adjacent Vacant)	mm	Φ35(Φ66)					
Max. tool length	mm	300					
Max. tool weight	kg	8					
> Other							
Power capacity	kVA	65					
Machine weight	t	12.5	16.5	19.5	20	23	26.5
Machine size(LxWxH)	cm	360x355x420	560x388x420	690x388x420	741x400x435	777x400x435	941x400x435

GRUlle/GNUe series
Fixed Crossrail
Double Column
Machining Center

The GRUlle/GNUe fixed crossrail double column machining center inherits the high rigidity structure. The three-axis adopts linear guide structure, large-sized ram section, equipped with advanced high-torque built-in spindle, automatic milling head option, which makes processing more efficient, and environmentally friendly and energy-saving. Used in stamping die molds.



Standard configuration

- 1

Controller: MITSUBISHI M80 (MOUS13x8 M830)
- 2

HISON built-in spindle
- 3

Spindle oil chiller
- 4

Pneumatic,hydraulic and lubrication system
- 5

Full enclosure with top cover
- 6

Internal helix chip conveyor
- 7

Cutting cooling
- 8

3-color signal lamp, working light
- 9

Tool life management
- 10

SSS die mould function
- 11

Ethernet function
- 12

Original SD card 8G
- 13

Standard accessories
- 14

Common maintenance tools
- 15

External chain type chip conveyor

Option configuration

- 1

Controller:FANUC 0i
- 2

KSL24000rpm(HSK-A63)
- 3

KSL18000rpm(HSK-A63)
- 4

20/24T armless ATC(HSK-A63)
- 5

Coolant through spindle
- 6

Spindle ring spray
- 7

Linear scale
- 8

CNC rotary table(4th)
- 9

Air conditioner
- 10

Workpiece probe(2D)
- 11

Tool setter
- 12

Oil skimmer
- 13

Water gun
- 14

Oil mist collector
- 15

Cutting oil mist cooling system
- 16

Memory program capacity 2M
- 17

Data-sever
- 18

Dynamic graphical display function
- 19

Max. pre-reading blocks 400(0i)
- 20

Air gun
- 21

16/24 armless ATC(BT-40)

Main Technical Parameters

Items	Unit	MOUP13X16	MOUP13X21	MOUP16X20	MOUP16X25	MOUP16X30
> Machining Capacity						
X travel	mm	1600	2000	2000	2500	3100
Y travel	mm	1300		1500		
Z travel	mm	700		800		
Distance between columns	mm	1380		1580		
Spindle nose to table surface	mm	150-850		200-1000		
> Table						
Table size	mm	1300x1800	1300x2200	1500x2000	1500x2500	1500x3000
Max. table loading	t	4	5	6	8	10
T slot size		22x160x8		22x160x9		
> Feed rate						
Cutting feedrate (X/Y/Z)	m/min	20/20/20	16/20/20			
Rapid traverse (X/Y/Z)	m/min	20/24/24	18/24/24			
> Spindle						
Drive type		Built-in spindle				
Spindle speed	rpm	18000				
Spindle power(S1/S6)	kW	25/35				
Spindle torque(S1/S6)	N.m	87/130				
Spindle taper		HSK-A63				
Ram section	mm	350x350				
> Tool magazine(Optional)						
Tool magazine capacity	T	20/24				
Tool shank type		HSK-A63				
Max. tool diameter(Adjacent Vacant)	mm	Φ35/Φ66				
Max. tool length	mm	300				
Max. tool weight	kg	8				
> Other						
Power capacity	kVA	65				
Machine weight	t	16.5	19.5	20	23	26.5
Machine size(LxWxH)	cm	560x388x420	690x388x420	741x400x421	777x400x421	941x400x435

Standard Configuration

- 1 Controller: SIEMENS 840Dsl

2 Kessler built-in spindle

3 Spindle oil chiller

4 Pneumatic,hydraulic and lubrication system

5 Full enclosure with top cover

6 Internal helix chip conveyor
- 7 Cutting cooling

8 3-color signal lamp, working light

9 Ethernet function

10 Linear scale

11 Standard accessories

12 Common maintenance tools

13 External chain type chip conveyor

Option Configuration

- 1 Controller:HEIDENHAIN TNC640

2 KSL24000rpm(HSK-A63)

3 20/24T armless ATC(HSK-A63)

4 Coolant through spindle

5 Spindle ring spray

6 CNC rotary table(4th)

7 Air conditioner

8 Workpiece probe(2D)

9 Tool setter
- 10 Oil skimmer

11 Oil mist collector

12 Cutting oil mist cooling system

13 Water gun

14 2D/3D Graphic simulation function

15 Power-off protection

16 Air gun

17 Power-off protection

18 High speed, high accuracy die mold function

Items	Unit	GRU II e28x40	GRU II e28x50	GNUe32x40	GNUe32x50
> Machining Capacity					
X travel	mm	4200	5500	4200	5500
Y travel	mm	2700		3200	
Z travel	mm	1000		1250	
Distance between columns	mm	2800		3200	
Spindle nose to table surface	mm	250-1250		150-1400	
> Table					
Table size	mm	2000x4000	2000x5000	2500x4000	2500x5000
Max. table loading	t	18	22	20	25
T slot size		22x200x9		28x200x12	
> Feed rate					
Cutting feedrate (X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	
Rapid traverse (X/Y/Z)	m/min	12/15/15	10/15/15	12/15/15	10/15/15
> Spindle					
Drive type		Built-in spindle		Built-in spindle	
Spindle speed	rpm	50-6000		50-6000	
Spindle power	kW	22/25		22/25	
Spindle torque	N.m	505/600		505/600	
Spindle taper		BT50		BT50	
Ram section	mm	420x430		420x430	
> Tool magazine(Optional)					
Tool magazine capacity	T	24/40		24/40	
Tool shank type		BT50		BT50	
Max. tool diameter(Adjacent Vacant)	mm	Φ110/Φ220		Φ110/Φ220	
Max. tool length	mm	300		400	
Max. tool weight	kg	20		25	
> Other					
Power capacity	kVA	55		65	
Machine weight	t	48	53	65	70
Machine size(LxWxH)	cm	1250x530x560	1500x530x560	1250x570x715	1500x570x715

Standard Configuration

- 1 Controller:FANUC 0i

2 HISION built-in spindle

3 Spindle oil chiller

4 Pneumatic,hydraulic and lubrication system

5 Simple splash guard

6 Internal helix chip conveyor

7 External chain type chip conveyor
- 8 Cutting cooling

9 3-color signal lamp, working light

10 Standard accessories

11 Common maintenance tools

Option Configuration

- 1 Controller:FANUC 31i

2 24/40T Arm type ATC

3 40T vertical & horizontal ATC

4 Column heighten

5 Coolant through spindle

6 Linear scale

7 CNC rotary table(4th)

8 Full enclosure

9 Auto milling heads
- 10 Manual milling heads

11 Manual heads storing shelf

12 2 station auto heads storing shelf

13 Workpiece probe

14 Tool setter

15 Oil skimmer

16 Air gun

17 Water gun

18 Air conditioner