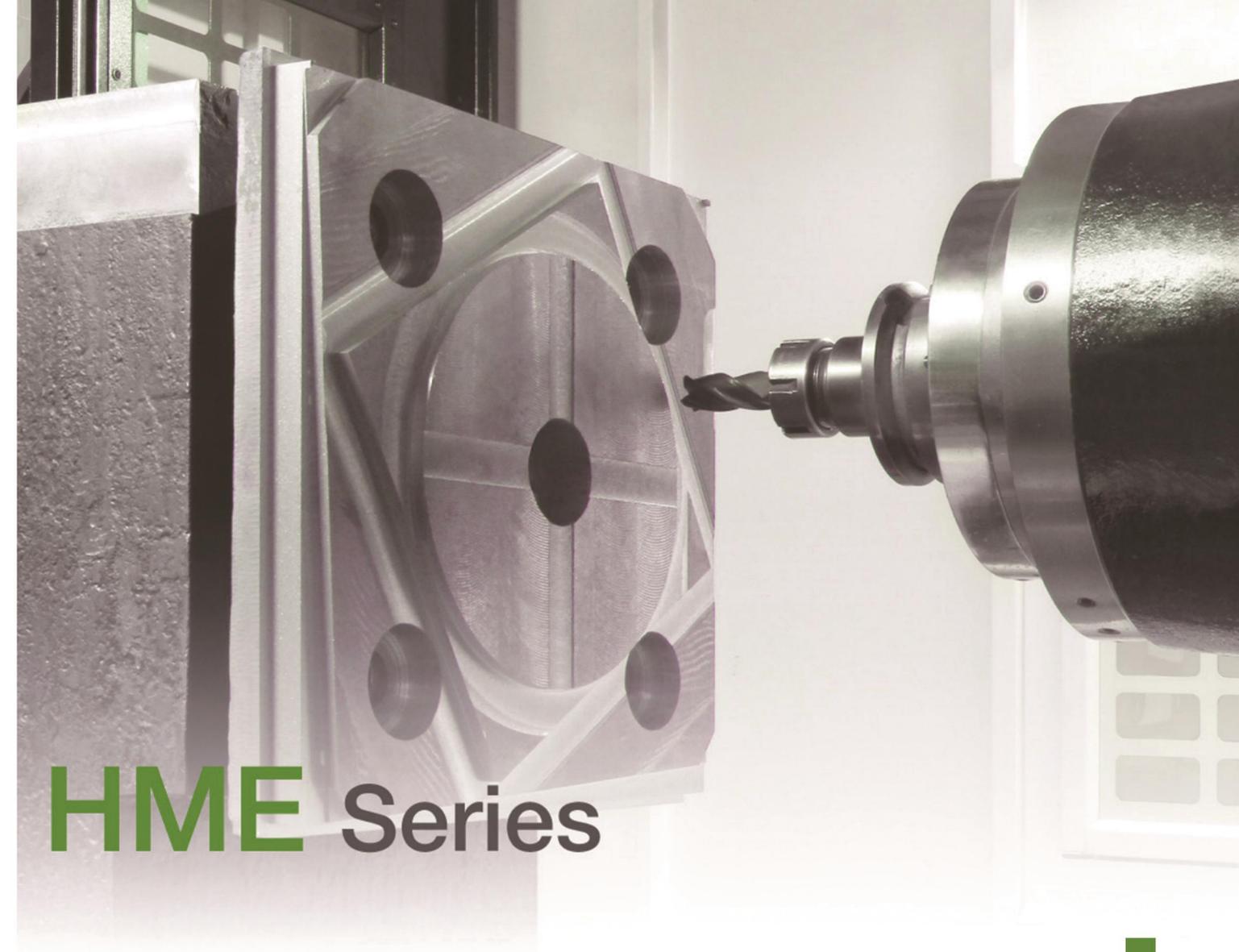




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Horizontal Machining Center

Dalian R&C Machinery Co., Ltd.

# Horizontal Machining Center

Improve the efficiency

Create profits

Industry model



## Series

### Machine frame structure design is confirmed to ensure high rigidity

The structure of the machine frame is been FEM analyzed by ANSYS system to guarantee high stability under high speed and high precision machining. A deformation testing is simulated under bading siulation to ensure the rigidity and have excellent bending restance. DRC DHM series is suitable for heavy cutting horizontal machining center in design of X axis guide rall with large span section dfference, make the spindle and the back supporting rail dstance closer, in order to increase the column cutting rigidity, and fully meet customer demand of miling.

Seek for Preciseness & Accuracy  
to Create DRC Machinery Brand

## Application Areas



Valves

Turret

Crankshaft  
box

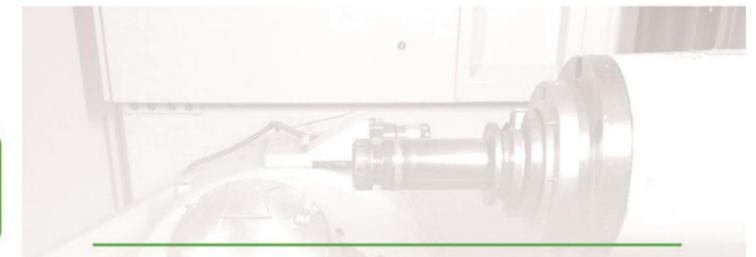
Cylinder  
cover

Auto  
parts

Camera  
Mold  
(Cavity)

Shell

Differential  
carrier



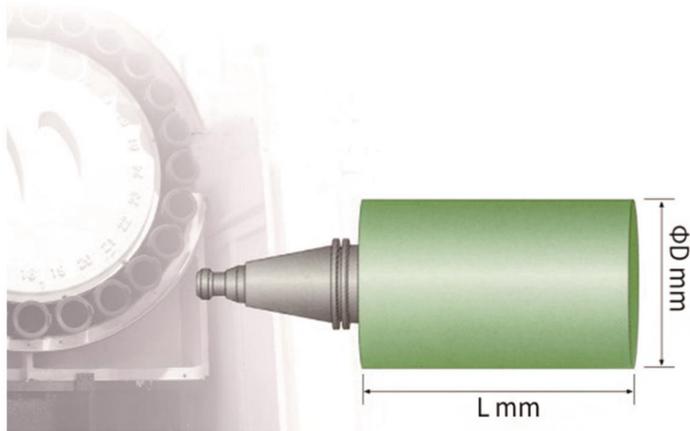
### Application Areas

DRC's machines can be used for the processing of workpieces such as valves, turret, crankshaft box, cylinder cover, auto parts, camera molds (cavity), shell, differential carrier, etc.



## Tool Magazine

Automatic tool changer is composed of tool magazine and tool changing arms. Tool selection adopts the method of arbitrarily address in the shortest path. The problem of collision between large-size tools is only considered in initial installation. Two-way tool magazine adopts the shortest path.



Storage capacity of tool magazine	24 Tools
Max. tool diameter (mm)	<b>Φ105</b> Continuous
	<b>Φ200</b> No tools at adjacent position
Max. tool weight (kg)	<b>15</b>
Max. tool length (mm)	<b>300</b>

## Powerful Stability And Maintainability



### Chip Removal

The shield makes the chip stacking, four spiral chip removal structures, keep indoor clean processing.

### Quick And Simple Daily Check

Maintenance items of machine tool such as lubrication control units are centrally installed at the back of machine tool with convenience for check during daily maintenance.



Model	Unit	HME50S	HME63S	HME63D
<b>Worktable</b>				
Table size	mm	500X500	630X630	630X630
Max. load on worktable	kg	800	1200	1000
Positioning accuracy of rotary table	arc-sec	10/15	10/15	10/15
Repeated Positioning accuracy of rotary table	arc-sec	±2/±3	±2/±3	±2/±3
<b>Processing range</b>				
Travel for X/Y/Z axis	mm	1000X770X900	1000X770X900	1000X770X900
Spindle nose to worktable center	mm	225-1125	175-1075	175-1075
Spindle center to worktable surface	mm	110-880	110-880	110-880
Maximum rotating diameter	mm	1200	1400	1400
<b>Spindle</b>				
Spindle taper		BT50	BT50	BT50
Spindle speed	rpm/min	6000	6000	6000
Spindle motor	kw	15/18.5	15/18.5	15/18.5
<b>Drive feed</b>				
Fast feed speed (X/Y/Z)	m/min	24/20/24	24/20/24	24/20/24
Fast feed speed (B)	r/min	10	10	10
<b>Tool magazine</b>				
Capacity of tool magazine	T	24	24	24
Max. tool diameter	mm	Φ105	Φ105	Φ105
Max. tool length	mm	300	300	300
Max. tool weight	kg	15	15	15
Tool change time	sec	3.8	3.8	3.8
<b>Precision</b>				
Positioning accuracy	mm	0.01	0.01	0.01
Repeated Positioning accuracy	mm	0.006	0.006	0.006
<b>Air pressure</b>				
Air supply pressure	bar	6-8	6-8	6-8
Air pressure flux	L/min	280	280	280
<b>Others</b>				
Voltage	kva	35	35	35
Floor area (length*width*height)	mm	4720X3430X3350	4720X3430X3350	6050X4150X3520
Weight	kg	12500	13000	14500



### Optional Fiting

#### Automatic tool measuring system

According to it can automatically detect the tool wear, damage degree and the offset value, can improve the operation convenience.



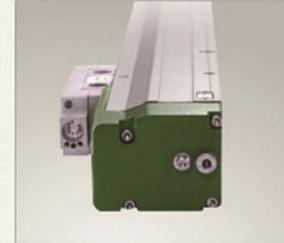
#### Automatic workpiece measuring system

The apparatus (TOUCHSENSOR) and the contact between the workpiece coordinate signal, automatically set the basic coordinate system of workpiece machining datum measurement after.



#### Grating scale

Using grating scale can improve the accuracy of position and ball screw has strong deformation resistance so can processing high precision product.



### Application



- Valves
- Knifetower
- Crankshaftbox
- Cylindercover
- Autoparts
- Camera mould (cavity)
- Shell
- Differential carrier

HME80S	HME80D	HME100S	HME100D	HME125S	HME125D
800X800	800X800	1000X1000	1000X1000	1250X1250	1250X1250
2000	1500	3000	2500	5000	3000
10/15	10/15	10/15	10/15	10/15	10/15
±2/±3	±2/±3	±2/±3	±2/±3	±2/±3	±2/±3
1300X1000X1000	1300X1000X1000	1300X1000X1000	1300X1000X1000	2100X1600X1500	2100X1600X1500
200-1200	200-1200	200-1200	200-1200	350-1850	350-1850
150-1150	150-1150	150-1150	150-1150	110-880	100-1700
1600	1600	1600	1600	2000	2000
BT50	BT50	BT50	BT50	BT50	BT50
6000	6000	6000	6000	6000	6000
15/18.5	15/18.5	15/18.5	15/18.5	22/26	22/26
24/20/20	24/20/20	24/20/20	24/20/20	15/15/12	15/15/12
10	10	10	10	10	10
24	24	24	24	24	24
Φ105	Φ105	Φ105	Φ105	Φ125	Φ125
300	300	300	300	500	500
15	15	15	15	25	25
3.8	3.8	3.8	3.8	12	12
0.012	0.012	0.012	0.012	0.015	0.015
0.006	0.006	0.006	0.006	0.015	0.01
6-8	6-8	6-8	6-8	6-8	6-8
280	280	280	280	350	350
45	45	45	45	65	65
5300X4000X3700	7000X5700X4000	5300X4000X3700	7000X5700X4000	6650X5500X4500	10500X5600X4900
18000	19500	18500	20000	33000	35000

## DHM Series

Positive "T" type horizontal comprehensive machining center  
(double worktable)



## DHM Series

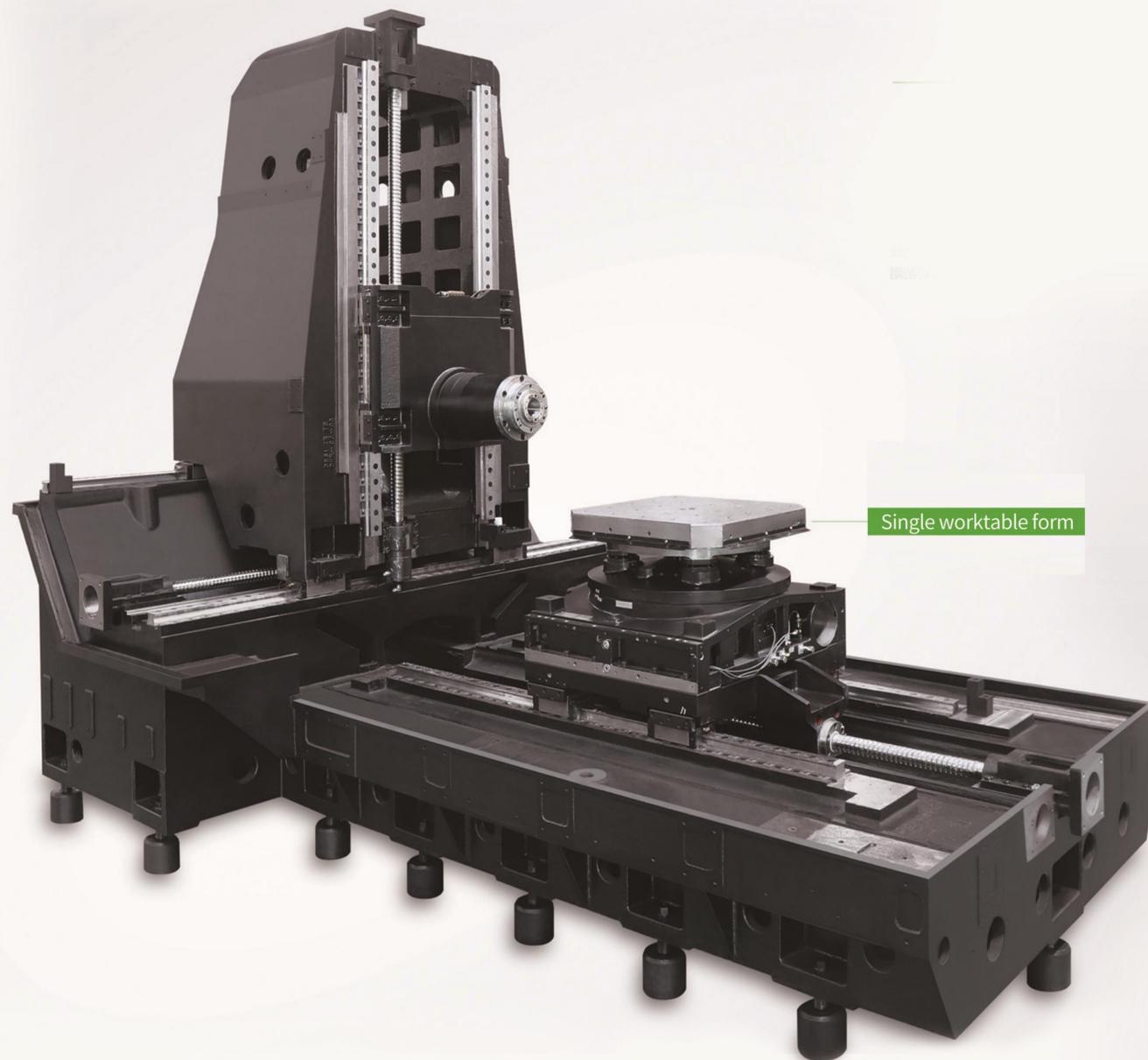
Positive "T" type horizontal comprehensive machining center  
(single worktable)



## Bed Frame

Machine tool design ensures high bed rigidity

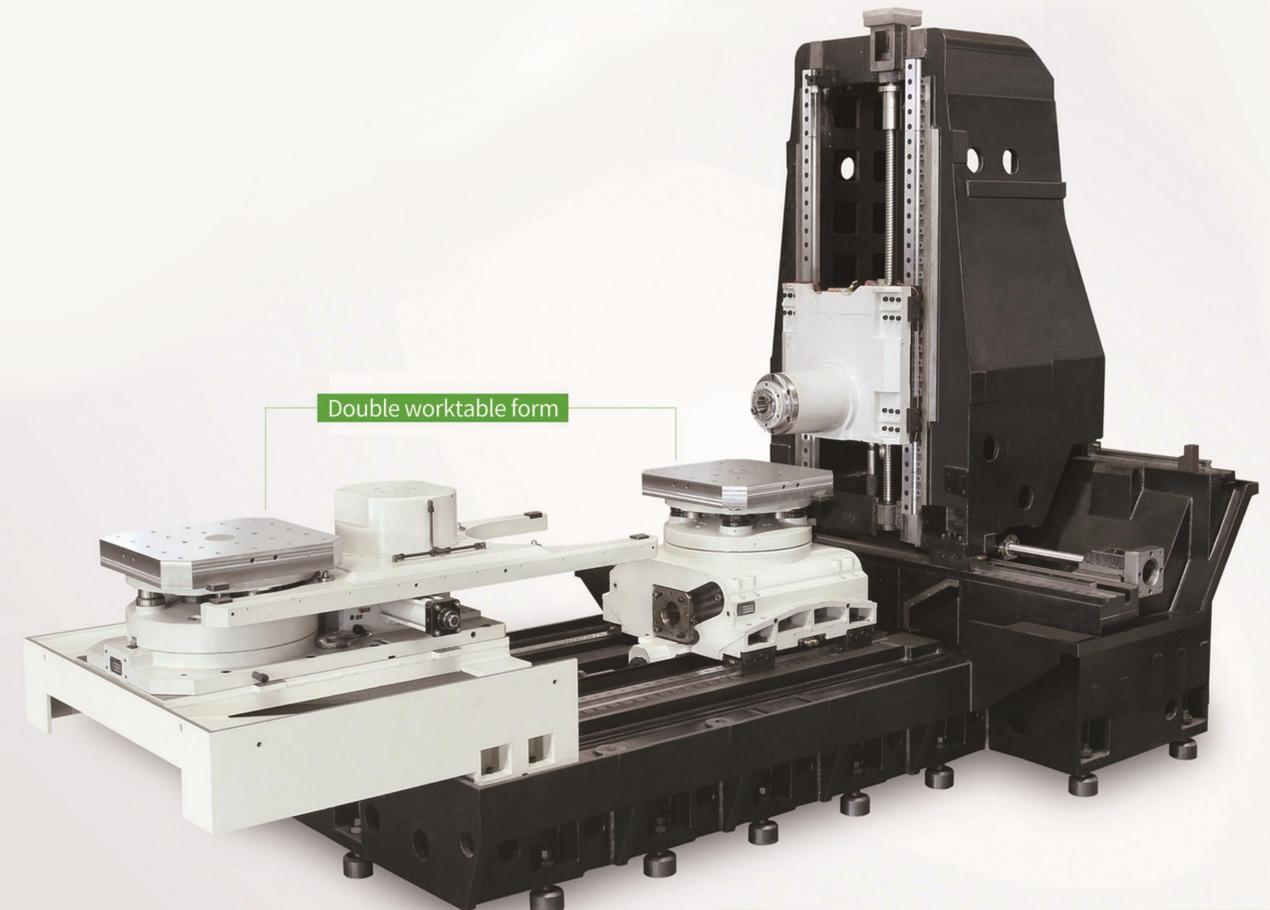
The finite element analysis of the machine tool structure is carried out in each stage from the basic design to the guarantee of high-speed and high-precision continuous machining. Simulation experiments were conducted on the deformation caused by the machine tool center bearing load to ensure the excellent bending rigidity of the machine tool.



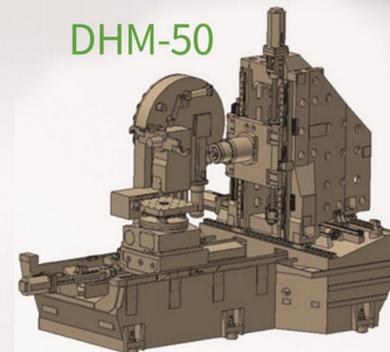
## Bed Frame

Machine tool design ensures high bed rigidity

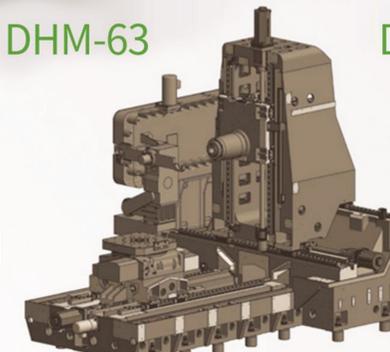
DRC's DHM series of horizontal integrated machining centers suitable for heavy cutting processing are designed with large spans in the X-axis guide rail to bring the spindle and the rear support rail closer to increase the cutting rigidity of the column and fully meet customer cutting needs.



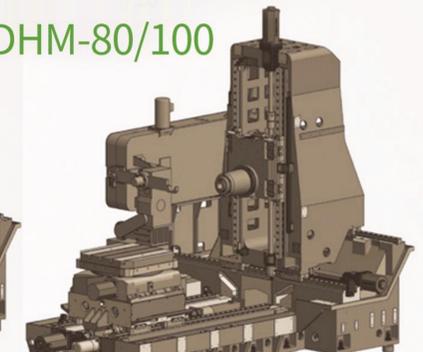
DHM-50



DHM-63



DHM-80/100



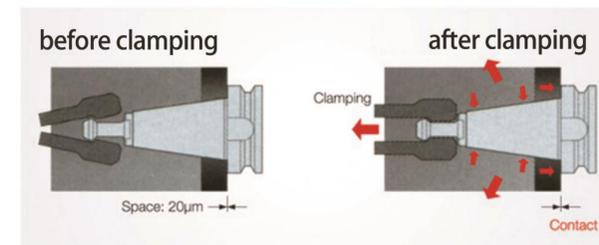
# Spindle



spindle speed	(rpm/min)
DHM-50/63/80/100	<b>6000</b>
DHM-50/63/80/100 option	<b>8000</b>
DHM-50/63/80/100 option	<b>12000</b>

## Multiple Choice

### Spindle taper



### Double-sided constrained spindle available

By adopting a double-sided restraint dedicated spindle (BBT) that contacts both the spindle cross section and the tapered cross section, the fixing performance is enhanced, vibration is reduced, and high-precision high-speed cutting is possible.

### Cutting Oil Cooler



There are multiple nozzles with adjustable directions on the spindle end, which usually supply cutting oil to the processing parts, which improves the processing accuracy.

## DHM Has Strong Torque

Excellent heavy-duty cutting capabilities

### Unique geared spindle

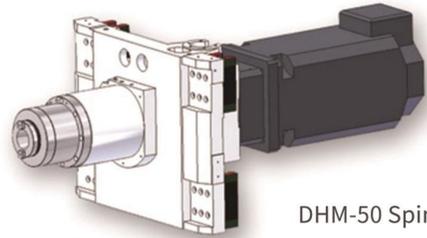
DHM-50 uses a direct transmission spindle. The direct-transmission spindle uses a wide-area motor, and the spindle has low-speed full power output to meet the cutting conditions of large cutting volumes. DHN-63/80/100 adopts the gear type main shaft transmission device.

The gear-type spindle head is cast in one piece, which has higher rigidity than the general combined spindle structure, improves the stability of the machine tool, and has stronger cutting ability and higher precision. The spindle uses five large-spacing, high-precision, and high-rigidity angular ball bearings, so it has excellent processing capabilities before heavy cutting.

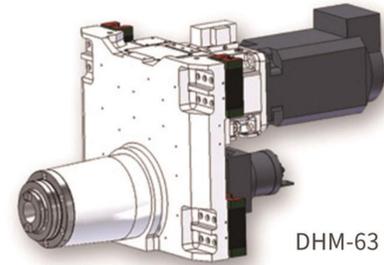


# Spindle

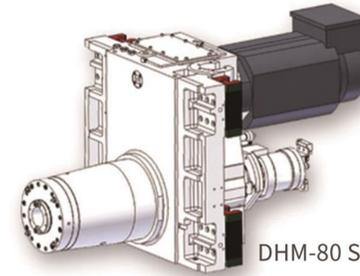
Spindle power torque chart



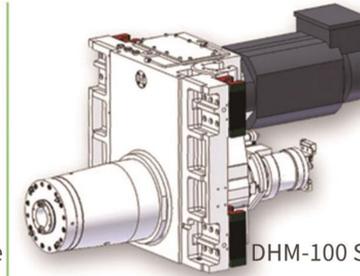
DHM-50 Spindle



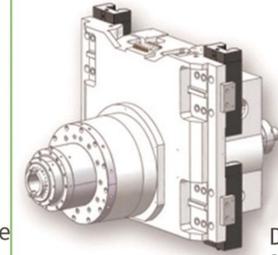
DHM-63 Spindle



DHM-80 Spindle

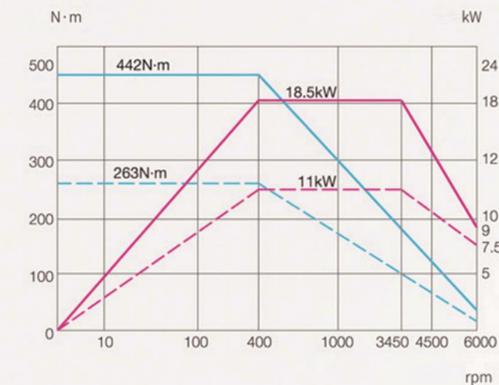


DHM-100 Spindle



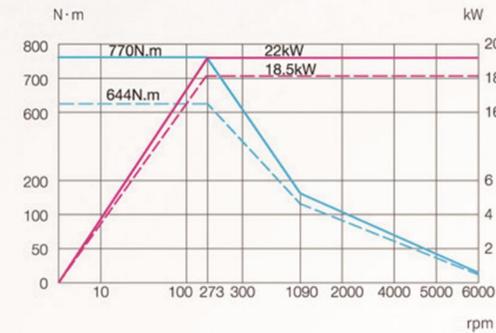
DHM series built-in spindle

DHM-50\_Fanuc 11\_18.5kW(Direct)



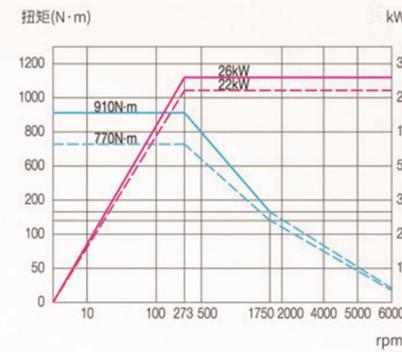
Spindle motor	FANUC P30/6000
Motor Power	11/18.5kW
Spindle speed	6000 RPM

DHM-63\_Fanuc 18.5\_22kW (Belt+ZF gearbox)



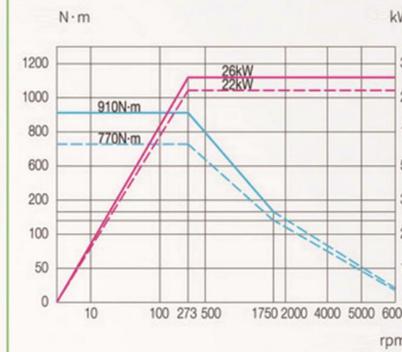
Spindle motor	FANUC 18/7000
Motor Power	18.5/22kW
Spindle speed	6000 RPM

DHM-80\_Fanuc 22\_26kW(Belt+ZF gearbox)



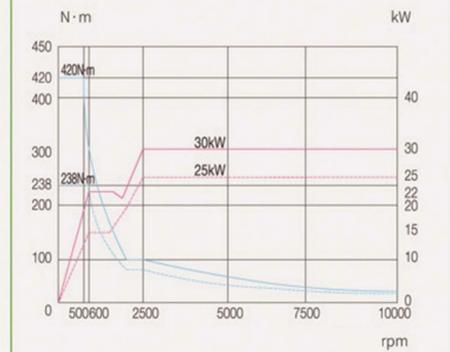
Spindle motor	FANUC 22/7000
Motor Power	22/26kW
Spindle speed	6000 RPM

DHM-100\_Fanuc 22\_26kW(Belt+ZF gearbox)



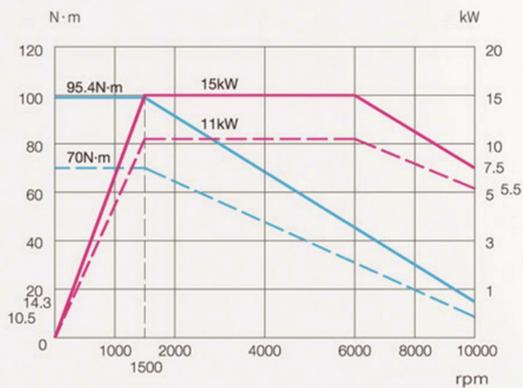
Spindle motor	FANUC 22/7000
Motor Power	22/26kW
Spindle speed	6000 RPM

DHM\_Fanuc Bil 160LL\_13000 25\_30kW(Option)



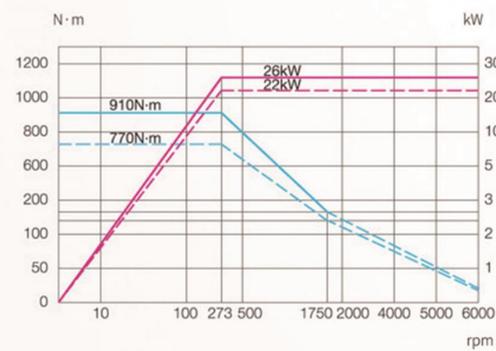
Spindle motor	Fanuc B160LL/13000i
Motor Power	25/30kW
Spindle speed	10000/12000 RPM

DHM-50\_Fanuc 11\_15kW(Belt option)



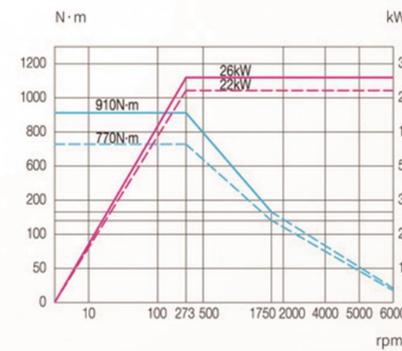
Spindle motor	FANUC 12/10000
Motor Power	11/15kW
Spindle speed	10000 RPM

DHM-63\_Fanuc 22\_26kW(Full gear option)



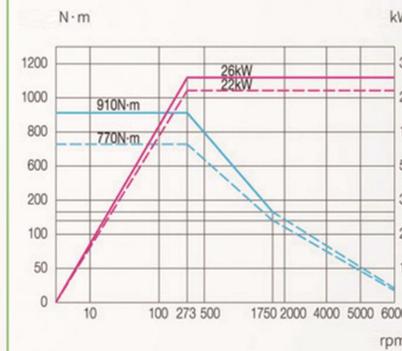
Spindle motor	FANUC 22/7000
Motor Power	22/26kW
Spindle speed	6000 RPM

DHM-80\_Fanuc 22\_26kW(Full gear option)



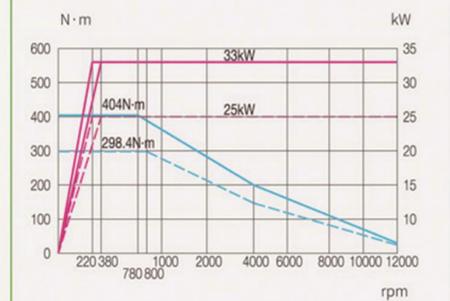
Spindle motor	FANUC 22/7000
Motor Power	22/26kW
Spindle speed	4500 RPM

DHM-100\_Fanuc 22\_26kW(Full gear option)



Spindle motor	FANUC 22/7000
Motor Power	22/26kW
Spindle speed	4500 RPM

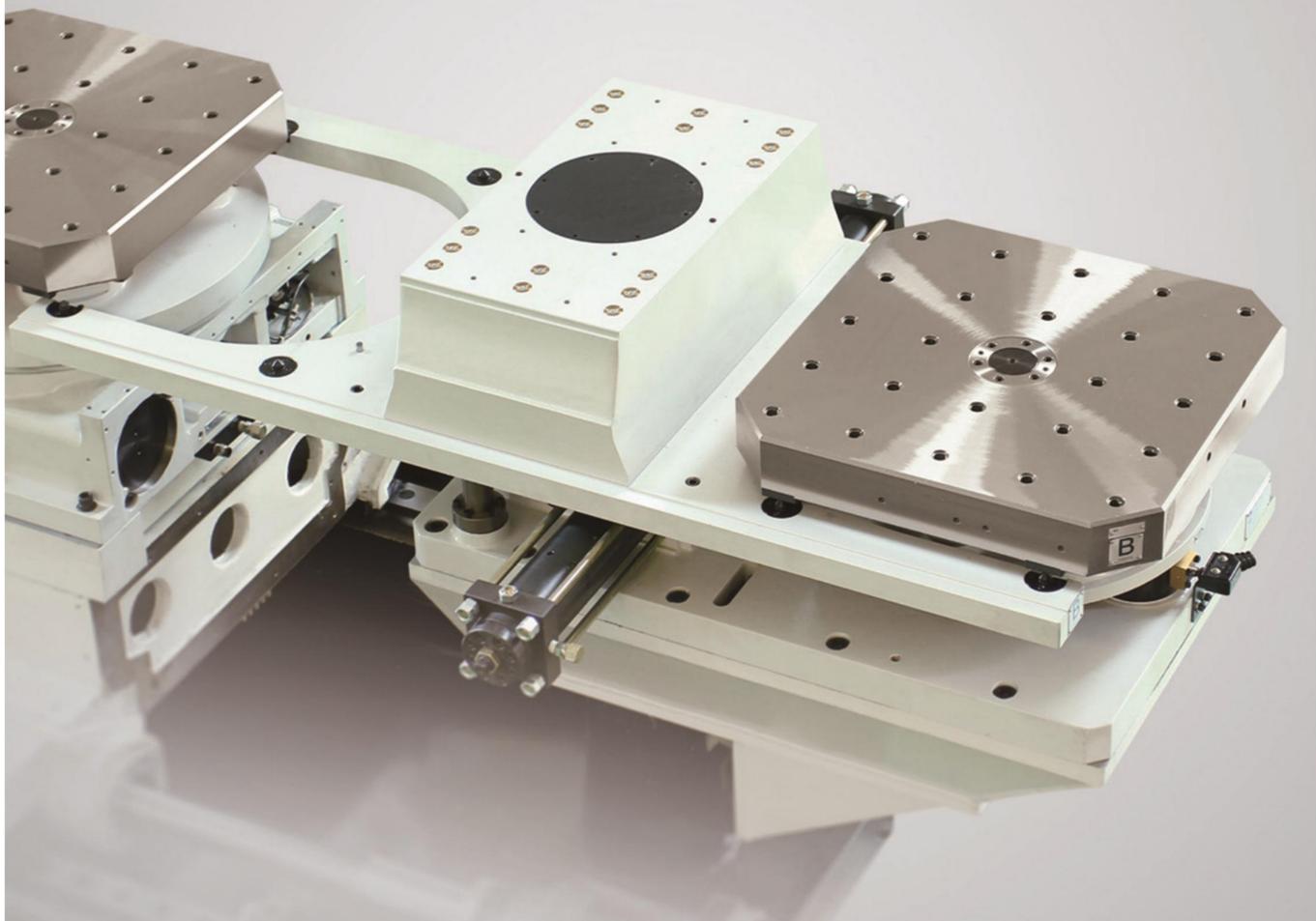
DHM\_Siemens ATE\_AC240\_280\_625\_33kW(Option)



Spindle motor	Siemens ATE_AC240/280/6
Motor Power	22/33kW
Spindle speed	10000/12000 RPM

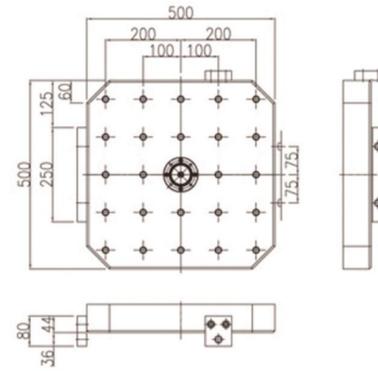
# Worktable

Maximum load of worktable (kg)	Split angle <small>DHM-50/63/80/100</small>	option
DHM-50 <b>600</b>	<b>0.001°</b>	<b>1°</b>
DHM-63 <b>1200</b>	Positioning accuracy <small>DHM-50/63/80/100</small> <b>10"</b>	<b>10"</b>
DHM-80/100 <b>2500</b>	Repeatable accuracy <small>DHM-50/63/80/100</small> <b>6"</b>	<b>2"</b>



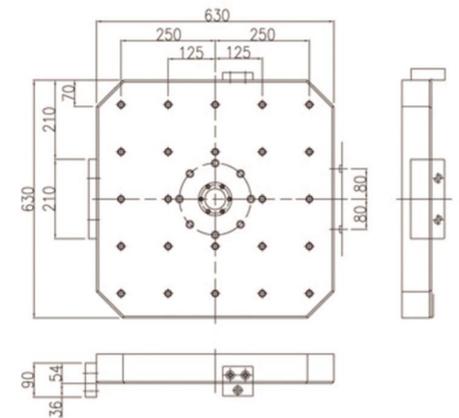
## DHM-50

Load  
single worktable dual worktable  
**600kg 500kg**



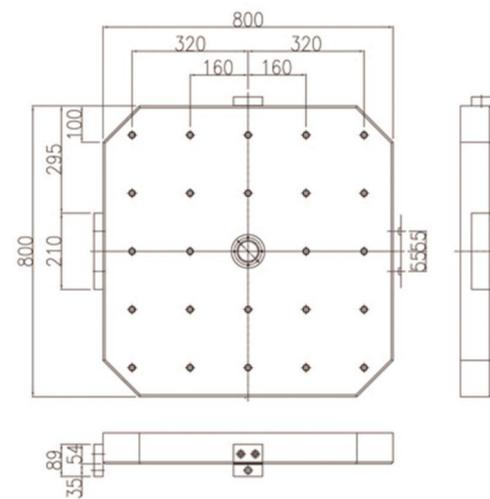
## DHM-63

Load  
single worktable dual worktable  
**1200kg 1200kg**



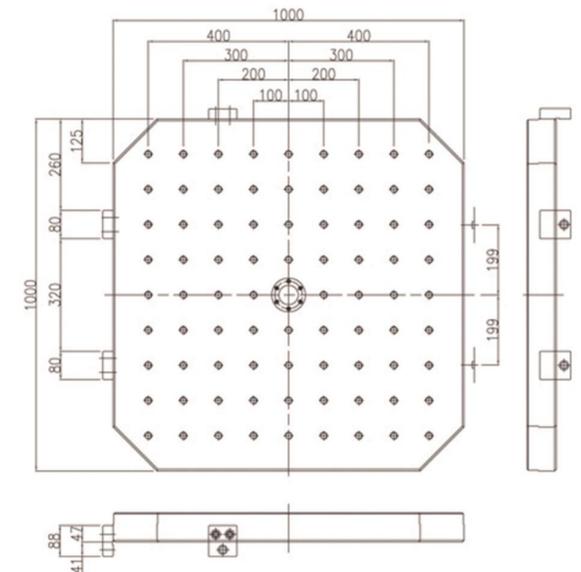
## DHM-80

Load  
single worktable dual worktable  
**2500kg 2000kg**



## DHM-100

Load  
single worktable dual worktable  
**2500kg 2000kg**



# Tool Magazine



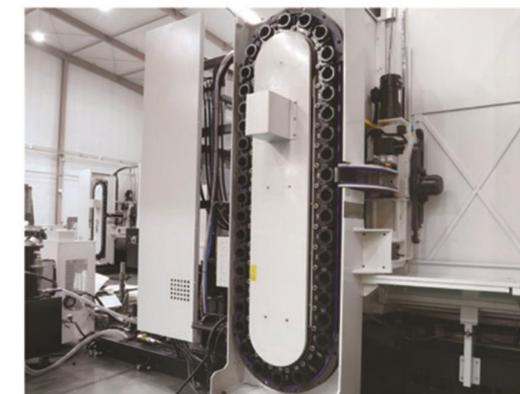
Storage capacity of tool magazine

DHM-50	24 Tools
DHM-63/80/100	40 Tools
DHM-50	40 Tools
Optional DHM-50/63/80/100	60 Tools



24 Tools

optional



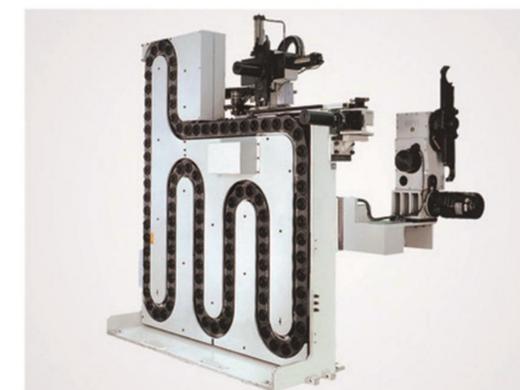
40 Tools (rapid tool change)

optional



60 Tools

optional

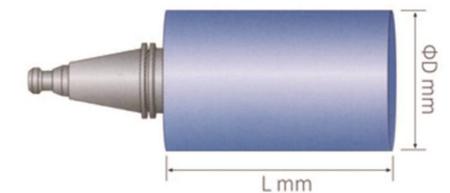


90 Tools

optional

## Reliable Automated Tool Magazine

Automatic tool changer is composed of tool magazine and tool changing arms. Automatic tool changer is installed separately from machine tool with the purpose of preventing adverse influences of vibration during running of automatic tool changer and other reasons on precision. Tool selection adopts the method of fixed address in the shortest path. All tools return to original position, therefore, the problem of collision between large-size tools is only considered in initial installation. The bidirectional tool magazine uses the shortest path.



Max. tool size

Max. tool diameter

	Continuous	No tools in the adjacent position
24 Tools	φ105mm	φ200mm
40 Tools	φ125mm	φ250mm
60 Tools	φ125mm	φ250mm
90 Tools	φ125mm	φ250mm

Max. tool length

350mm (DHM-50)	500mm (DHM-63)	600mm (DHM-80/100)
-------------------	-------------------	-----------------------

Max. tool weight

15kg 24 Tools	25kg 40/60/80/90 Tools	30kg optional
------------------	---------------------------	------------------

# Ergonomics And Humanized Design

## Extremely high stability and easy maintenance

### Quick and easy daily inspection

The lubrication control unit and pneumatic unit are centrally installed on the operating side of the machine tool to facilitate inspection during daily maintenance.

### Design that pays attention to the work efficiency

Not only widens the pedal of the operator, but also shortens the distance between the workpiece and the operation panel. Helps to increase the efficiency of handling and set-up operations, as well as operator safety



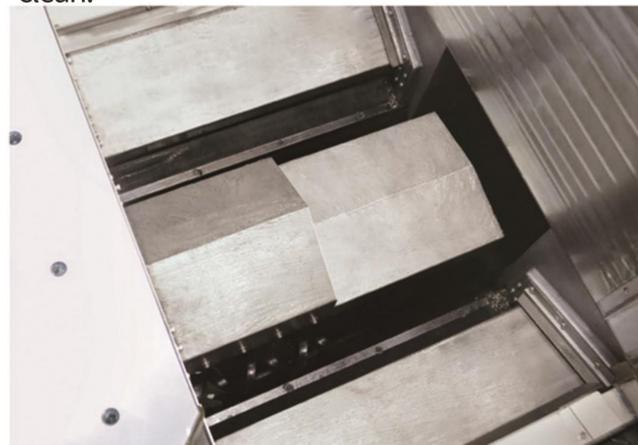
### Hydraulic System

The hydraulic station adopts high-quality hydraulic components, which are reliable in action and high in stability.



### Chip Removal

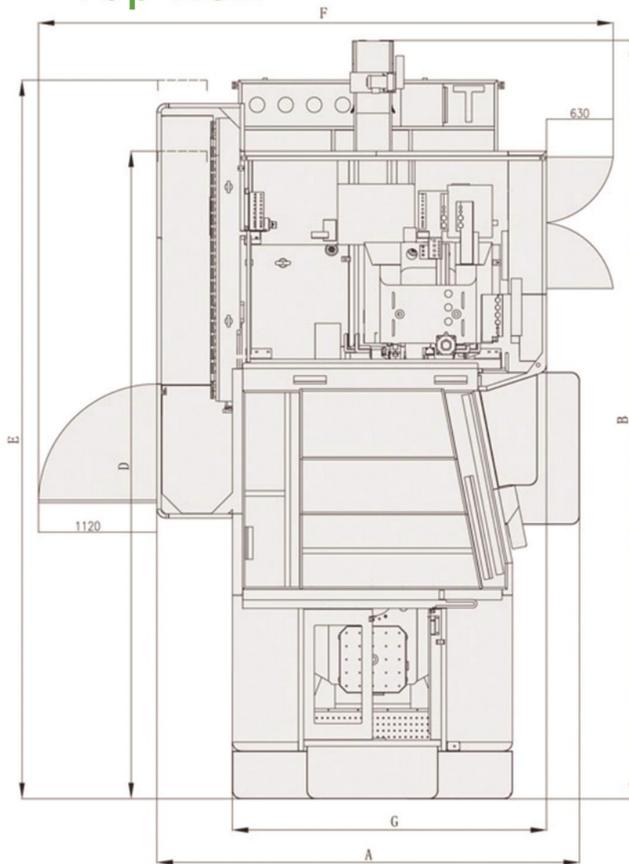
- Cutting is discharged directly below the spindle through a central groove. The guard prevents chips from accumulating and keeps the processing room clean.



## Outline Dimension

Positive "T" type horizontal comprehensive machining center

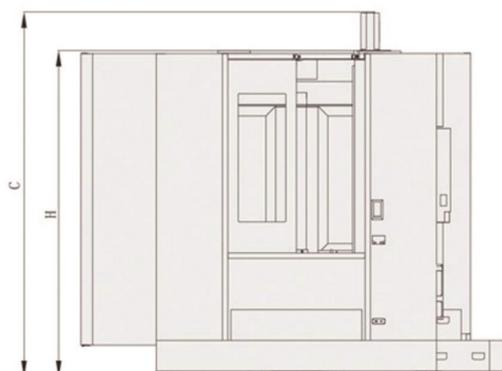
Top view



	DHM-50D	DHM-63D
A	3625	4250
B	7340	7900
C	3500	3600
D(24T)	4745	—
E(40T/60T)	5560	6715
F	4570	5435
G	2205	3070
H	3055	3040

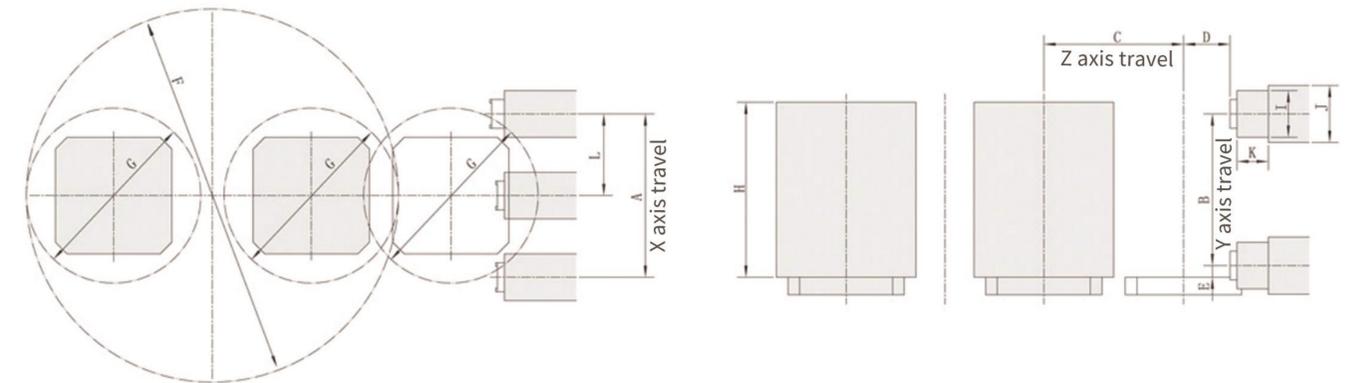
	DHM-80D	DHM-100D
A	4550	4750
B	8900	8900
C	3735	3835
D(24T)	—	—
E(40T/60T)	6755	6855
F	5770	6070
G	3445	3445
H	3290	3390

Front view



## Workpiece Scope

Positive "T" type horizontal comprehensive machining center



	DHM-50D	DHM-63D	DHM-80D	DHM-100D
A	750	1050	1300	1600
B	750	1000	1200	1300
C	750	1000	1200	1300
D	150	135	150	250
E	50	80	45	35
F	Φ1670	Φ2280	Φ3100	Φ3100
G	Φ700	Φ1050	Φ1400	Φ1400
H	900	1080	1245	1335
I	200	250	250	250
J	245	275	275	275
K	135	68	68	68
L	375	525	525	525

# Technical Parameter

Model	Unit	DHM-50S	DHM-50D
<b>Travel</b>			
X-axis	mm	750	750
Y-axis	mm	750	750
Z-axis	mm	750	750
<b>Spindle</b>			
Spindle center to worktable surface	mm	50-800	50-800
Spindle nose to worktable center	mm	135-885	150-900
Spindle taper		BT50	BT50
Spindle speed	rpm/min	6000	6000
Spindle speed(optional)	rpm/min	8000/12000	8000/12000
Spindle drive form(standard)		Direct coupling	Direct coupling
Spindle drive form(optional)		Motorized spindle/belt type	Motorized spindle/belt type
<b>Spindle&amp;motors</b>			
Spindle motor	kw	11/18.5	11/18.5
Max.torque of spindle	Nm	263/442	263/442
<b>Worktable</b>			
Table size	mm	500X500	500X500
Division angle	deg	0.001°(standard)/1°(optional)	0.001°(standard)/1°(optional)
Reference aperture	mm	Φ50H7	Φ55H7
Max. load on worktable	kg	600	500X2
Number of worktable	pcs	1	2
<b>Precision</b>			
Positioning accuracy of rotary table	arc-sec	10''(with optical scale)/10''	10''(with optical scale)/10''
Repeated Positioning accuracy of rotary table	arc-sec	±3°/±2°	±3°/±2°
Positioning accuracy	mm	0.01	0.01
Repeated Positioning accuracy	mm	0.006	0.006
<b>Kind of drive</b>			
Axial transmission mode		Direct coupling	Direct coupling
<b>Feed speed</b>			
Cutting speed X/Y/Z/W	m/min	1-10000	1-10000
Rapid traverse speed X/Y/Z	m/min	30/30/30	30/30/30
<b>Tool magazine</b>			
Capacity of tool magazine		24 (40/60)	24 (40/60)
Tool selection method		Random	Random
Tool exchange mode		Arm type	Arm type
Max. tool weight	kg	15	15
Max. tool length	mm	350	350
Tool change time	mm	Φ105/200	Φ105/200
Max. tool diameter (no adjacent tool)		BT50/CAT50/DIN50	BT50/CAT50/DIN50
<b>Others</b>			
Air pressure	kgf/cm <sup>2</sup>	6	6
Voltage	KVA	45	45
Tank Capacity	L	700	700
Floor area(length*width)	mm	6505X3625	7400X3625
Machine height	mm	3500	3500
Weight	kg	14000	15000

Model	Unit	DHM-63S	DHM-63D
<b>Travel</b>			
X-axis	mm	1050	1050
Y-axis	mm	1000	1000
Z-axis	mm	1000	1000
<b>Spindle</b>			
Spindle center to worktable surface	mm	80-1080	80-1080
Spindle nose to worktable center	mm	135-1135	135-1135
Spindle taper		BT50	BT50
Spindle speed	rpm/min	6000	6000
Spindle speed(optional)	rpm/min	8000/12000	8000/12000
Spindle drive form(standard)		Direct coupling	Direct coupling
Spindle drive form(optional)		Motorized spindle/belt type	Motorized spindle/belt type
<b>Spindle&amp;motors</b>			
Spindle motor	kw	18.5/22	18.5/22
Max.torque of spindle	Nm	644/770	644/770
<b>Worktable</b>			
Table size	mm	630X630	630X630
Division angle	deg	0.001°(standard)/1°(optional)	0.001°(standard)/1°(optional)
Reference aperture	mm	Φ50H7	Φ55H7
Max. load on worktable	kg	1200	1200X2
Number of worktable	pcs	1	2
<b>Precision</b>			
Positioning accuracy of rotary table	arc-sec	10''(with optical scale)/10''	10''(with optical scale)/10''
Repeated Positioning accuracy of rotary table	arc-sec	±3°/±2°	±3°/±2°
Positioning accuracy	mm	0.01	0.01
Repeated Positioning accuracy	mm	0.006	0.006
<b>Kind of drive</b>			
Axial transmission mode		Direct coupling	Direct coupling
<b>Feed speed</b>			
Cutting speed X/Y/Z/W	m/min	1-10000	1-10000
Rapid traverse speed X/Y/Z/W	m/min	30/30/30	30/30/30
<b>Tool magazine</b>			
Capacity of tool magazine		40(60)	40(60)
Tool selection method		Random	Random
Tool exchange mode		Arm type	Arm type
Max. tool weight	kg	25	25
Max. tool length	mm	500	500
Tool change time	mm	Φ125/250	Φ125/250
Max. tool diameter (no adjacent tool)		BT50/CAT50/DIN50	BT50/CAT50/DIN50
<b>Others</b>			
Air pressure	kgf/cm <sup>2</sup>	6	6
Voltage	KVA	70	70
Tank Capacity	L	800	800
Floor area(length*width)	mm	6850X3940	7900X4250
Machine height	mm	3600	3600
Weight	kg	19000	20000

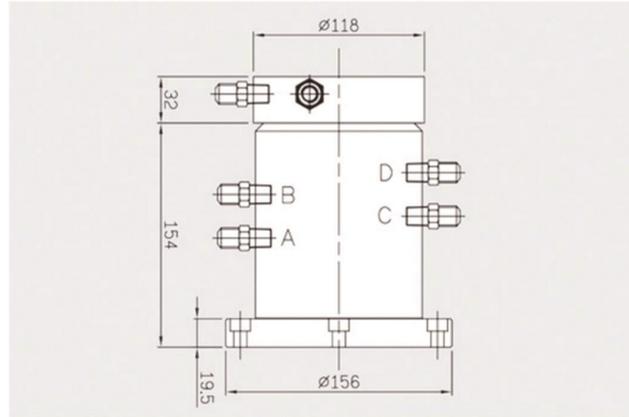
# Technical Parameter

Model	Unit	DHM-80S	DHM-80D
<b>Travel</b>			
X-axis	mm	1300	1300
Y-axis	mm	1200	1200
Z-axis	mm	1200	1200
<b>Spindle</b>			
Spindle center to worktable surface	mm	45-1245	45-1245
Spindle nose to worktable center	mm	150-1350	150-1350
Spindle taper		BT50	BT50
Spindle speed	rpm/mi	6000	6000
Spindle speed(optional)	rpm/mi	8000/12000	8000/12000
Spindle drive form(standard)		Direct coupling	Direct coupling
Spindle drive form(optional)		Motorized spindle/belt	Motorized spindle/belt type
<b>Spindle&amp;motors</b>			
Spindle motor	kw	22/26	22/26
Max.torque of spindle	Nm	770/910	770/910
<b>Worktable</b>			
Table size	mm	800X800	800X800
Division angle	deg	0.001°(standard)/1°(optiona	0.001°(standard)/1°(optional)
Reference aperture	mm	Φ60H7	Φ60H7
Max. load on worktable	kg	2500	2000X2
Number of worktable	pcs	1	2
<b>Precision</b>			
Positioning accuracy of rotary table	arc-sec	10''(with optical scale)/10''	10''(with optical scale)/10''
Repeated Positioning accuracy of rotary table	arc-sec	±3°/±2°	±3°/±2°
Positioning accuracy	mm	0.012	0.012
Repeated Positioning accuracy	mm	0.008	0.008
<b>Kind of drive</b>			
Axial transmission mode		Direct coupling	Direct coupling
<b>Feed speed</b>			
Cutting speed X/Y/Z/W	m/min	1-10000	1-10000
Rapid traverse speed X/Y/Z/W	m/min	30/30/30	30/30/30
<b>Tool magazine</b>			
Capacity of tool magazine		40 ( 60 )	40 ( 60 )
Tool selection method		Random	Random
Tool exchange mode		Arm type	Arm type
Max. tool weight	kg	25	25
Max. tool length	mm	600	600
Tool change time	mm	Φ125/250	Φ125/250
Max. tool diameter (no adjacent tool)		BT50/CAT50/DIN50	BT50/CAT50/DIN50
<b>Others</b>			
Air pressure	kgf/cm <sup>2</sup>	6	6
Voltage	KVA	75	75
Tank Capacity	L	800	800
Floor area(length*width)	mm	7000X4550	8900X4550
Machine height	mm	3735	3735
Weight	kg	20000	22000

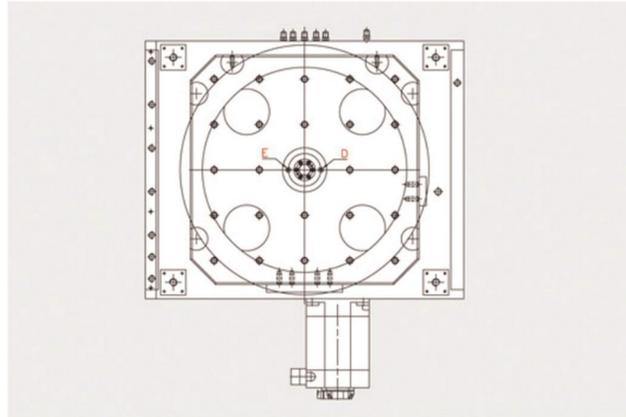
Model	Unit	DHM-100S	DHM-100D
<b>Travel</b>			
X-axis	mm	1600	1600
Y-axis	mm	1300	1300
Z-axis	mm	1300	1300
<b>Spindle</b>			
Spindle center to worktable surface	mm	35-1335	35-1335
Spindle nose to worktable center	mm	250-1550	250-1550
Spindle taper		BT50	BT50
Spindle speed	rpm/mi	6000	6000
Spindle speed(optional)	rpm/mi	8000/12000	8000/12000
Spindle drive form(standard)		Direct coupling	Direct coupling
Spindle drive form(optional)		Motorized spindle/belt type	Motorized spindle/belt type
<b>Spindle&amp;motors</b>			
Spindle motor	kw	22/26	22/26
Max.torque of spindle	Nm	770/910	770/910
<b>Worktable</b>			
Table size	mm	1000X1000	1000X1000
Division angle	deg	0.001°(standard)/1°(optional)	0.001°(standard)/1°(optional)
Reference aperture	mm	Φ60H7	Φ60H7
Max. load on worktable	kg	2500	2000X2
Number of worktable	pcs	1	2
<b>Precision</b>			
Positioning accuracy of rotary table	arc-sec	10''(with optical scale)/10''	10''(with optical scale)/10''
Repeated Positioning accuracy of rotary	arc-sec	±3°/±2°	±3°/±2°
Positioning accuracy	mm	0.012	0.012
Repeated Positioning accuracy	mm	0.008	0.008
<b>Kind of drive</b>			
Axial transmission mode		Direct coupling	Direct coupling
<b>Feed speed</b>			
Cutting speed X/Y/Z/W	m/min	1-10000	1-10000
Rapid traverse speed X/Y/Z/W	m/min	30/30/30	30/30/30
<b>Tool magazine</b>			
Capacity of tool magazine		40 ( 60 )	40 ( 60 )
Tool selection method		Random	Random
Tool exchange mode		Arm type	Arm type
Max. tool weight	kg	25	25
Max. tool length	mm	600	600
Tool change time	mm	Φ125/250	Φ125/250
Max. tool diameter (no adjacent tool)		BT50/CAT50/DIN50	BT50/CAT50/DIN50
<b>Others</b>			
Air pressure	kgf/cm <sup>2</sup>	6	6
Voltage	KVA	75	75
Tank Capacity	L	800	800
Floor area(length*width)	mm	7100X4815	8900X4815
Machine height	mm	3835	3835
Weight	kg	23000	25000

## Optional Accessories

Oil separator group



Oil outlet from the center of the workbench (with coupler)

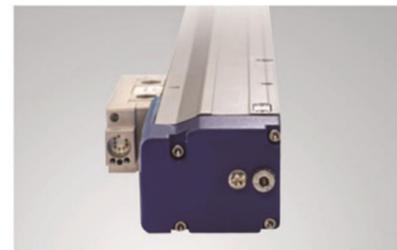


Automatic tool measurement



The tool measurement and monitoring system with high precision can adapt to various harsh environments. Automatic detection of tool damage, wear and offset values, effectively avoiding subsequent losses caused by tool damage. Reduce downtime set-up times, increase yield and quality

Grating ruler



The use of a grating ruler improves positioning accuracy, and the mixed screw has strong resistance to thermal deformation and can process more precise products.

Automatic workpiece measurement



Through the contact signal between the probe and the workpiece, the position of the workpiece is detected, the rotation offset of the workpiece is corrected, the temperature drift of the machine tool is compensated, and the three-dimensional contour measurement of the workpiece can be carried out. The measurement is accurate and the speed is fast. High measurement accuracy.

Center outlet water tank



## Other Product Recommendation

**DBM series**  
Horizontal boring and milling machining center  
(mid-hanging box structure)



**DBM series**  
Horizontal boring and milling machining center  
(Upside-down box structure)



# Attend Exhibition

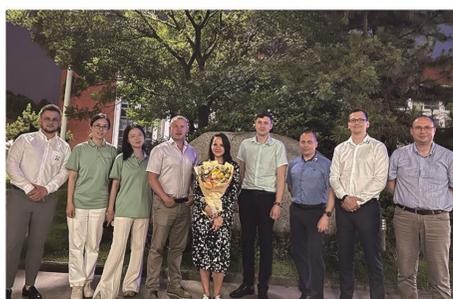


## OUR EXHIBITION

- CIMT
- Canton Fair
- EMO World Machine Tool
- International Machine Tools
- International Intelligent Manufacturing Equipment Expo



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20 years focus on the field of machinery manufacturing, China's top 30 machine tool industry enterprises, more than 20,000 machine tool manufacturing experience.

Enterprise mission: While pursuing the happiness of all partners, we will create a Chinese precision industry and trade platform that moves customers and contribute to the development of the country and social progress.

Enterprise vision: A hundred years of prosperity, for China's precision equipment all over the world, to realize the dream of a hundred years of power and strive.

Integrity

Professional

Thanksgiving

Altruism

Passion

Innovation