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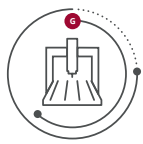
www.haitianprecision.com

D SERIES MACHINE CENTER

DA / DAQ / DB / DBQ / DC / DCQ / DD / DE / DG / DDE
DJE / DP / DGM / DHM / DHME

HISION

NEW HT20250601 The text description, pictures and technical parameters in the sample are for reference only, and the changes due to technological development are subject to change without notice.



PRODUCT INTRODUCTION

With the growth of customer demand, we are committed to the development of various gantry structure models. Including fixed beam, movable beam, movable column, movable column, movable beam and other structural gantry models. It has brought rich economic benefits to customers for a long time and has been praised by customers.

Haitian Precision relies on the advanced production management concept of Haitian Group to fully implement the turnkey project and perfect pre-sale, sales and after-sales services, so that customers can obtain more excellent product energy efficiency and create the product value you want.

D SERIES MACHINE CENTER

DA Series [Page 07-08]

DAQ Series [Page 09-10]



DB Series [Page 11]

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DC Series [Page 15-16]

DCQ Series [Page 17-18]

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DDE Series [Page 33-34]

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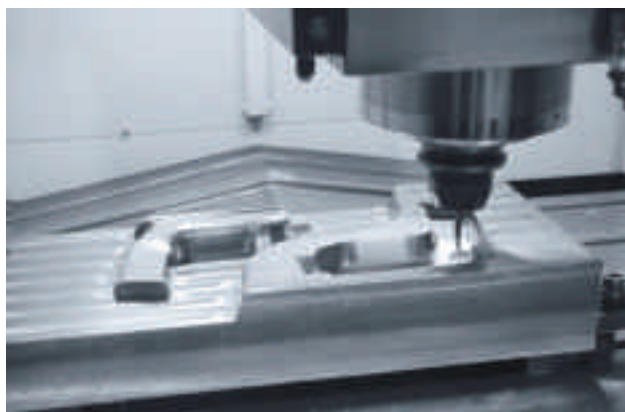
DP Series [Page 36]

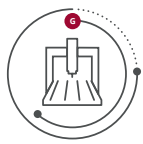
DGM Series [Page 37-38]

DHM Series [Page 39-40]



DHME Series [Page 41-42]





DA/DAQ SERIES

The product has the characteristics of strong rigidity, symmetrical structure, and high stability of traditional double column machine. Through finite element analysis, the basic component structure is optimized to improve the dynamic performance of the product and achieve a perfect combination of high power, high torque, high efficiency, and high precision.



Integrated gantry frame

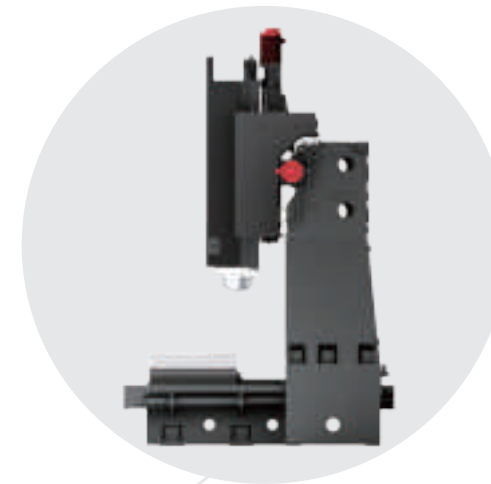
Integrated gantry frame structure, the entire table always moves within the gantry frame. Symmetrical structure, strong rigidity, and high accuracy and stability.

Built-in spindle (DAQ)

Directly driven by the built-in motor, achieving zero transmission. Adopting star triangle automatic switching, achieving low speed high torque and high speed high power.



DA/DAQ SERIES



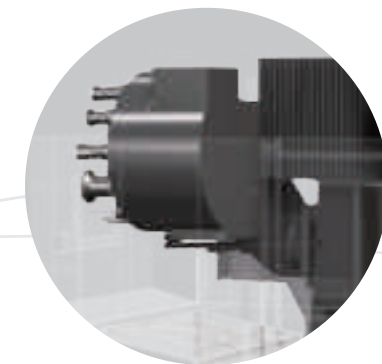
Tool magazine (OP)

24T arm tool magazine is optional, with smooth operation and fast tool changing speed, preventing the risk of iron filings entering the tool sleeve and improving the stability of the machine.



Centralized Maintenance

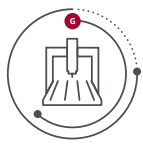
Pneumatic and lubrication are centrally configured externally for easy daily observation, management, and maintenance.



Short extension of spindle

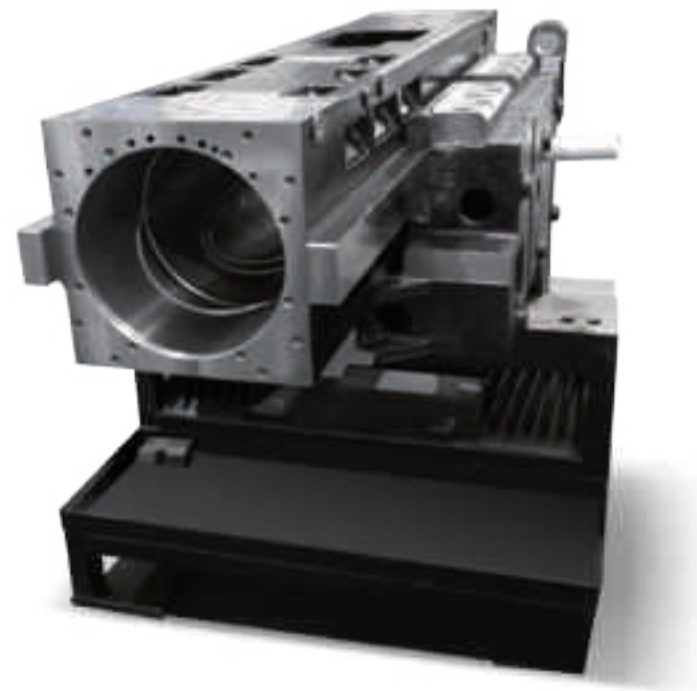
The cross-section of the crossbeam adopts a stepped structure, with a short extension from the center of the spindle to the Z-axis guide rail, and has good accuracy and stability.





DA/DAQ/DB/DBQ SERIES

Featuring strong rigidity and wide processing range, incorporating advanced technology, pursuing high efficiency, precision, energy conservation, and comfort. Create a new generation of double column machining centers.



Cross box guideway ram (Haitian Precision Patent Technology)

Ensure the rigidity and vibration resistance required to fully utilize high torque performance, achieving a perfect integration of strength and high-precision machining.

High torque gear reducer

Two speed changes are achieved through hydraulic automatic shifting, with stepless speed regulation within each speed range. The entire system structure is simple and reliable.



DA/DAQ/DB/DBQ SERIES



DB20 SERIES Rotary head stock(OP)

Compact structure, achieving automatic head changing, reducing processing assistance time, and improving processing efficiency.

Spindle of Q series

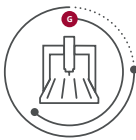
Equipped with home made built-in spindles as standard.



Toothed coupling

The main transmission system adopts a toothed coupling connection, with a simple and reliable structure and a large transmission torque.





DA SERIES

Items	Unit	DA16L7	DA17L8	DA13L16	DA13L20	DA13L30
» Machining Range						
X travel	mm	1600	1700	1600	2000	3100
Y travel	mm	700	850	1300	1300	1300
Z travel	mm	800	800	800	800	800
Between columns	mm	1600	1700	1300	1300	1300
Table surface to spindle nose		155-955	155-955	155-955	155-955	155-955
» Table						
Table size	mm	1400×700	1500×850	1100×1800	1100×2200	1100×3000
Table load	t	2	3	4	5	6
T slot		18	18	22	22	22
» Feed						
Cutting feed rate X/Y/Z	m/min	12/12/10	12/12/10	12/20/10	12/20/10	12/20/10
Rapid traverse X/Y/Z	m/min	24/24/15	24/24/15	20/24/15	16/24/15	16/24/15
» Spindle						
Drive type		Gear box	Gear box	Gear box	Gear box	Gear box
Max. speed	rpm	6000	6000	6000	6000	6000
Spindle power	kW	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5
Spindle torque	N.m	316/522	316/522	316/522	316/522	316/522
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	350×350	350×350	350×350	350×350	350×350
» Tool Magazine (OP)						
Capacity	T	24	24	24	24	24
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200
Max. tool length	mm	300	300	300	300	300
Max. tool weight	kg	20	20	20	20	20
» Other						
Power capacity	kVA	40	40	40	40	40
Machine weight	t	13	14.6	14	16	20
Machine size (L×W×H)	mm	3900×4000×4300	4000×4200×4300	5270×4280×4300	6270×4280×4300	8270×4280×4300

Standard Configuration

1. Controller: FANUC 0i

2. Gear box

3. Spindle constant temperature cooling system

4. Z-axis hydraulic balance system

5. Pneumatic, hydraulic, lubrication systems

6. Cutting cooling
7. Internal automatic chip conveyor

8. External chain plate chip conveyor

9. Full enclosure without top

10. 3-color signal lamp and working light

11. Standard attachments and related documents

12. Common maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: Siemens 828D

2. 24/30/40T arm type tool magazine

3. Column increased by 200/400mm(DA series Split heighten)

4. CTS (2/3/TMPa)

5. X/Y/Z linear scale

6. NC rotary table

7. Full enclosure with top
8. AC for electrical cabinet

9. Manual/Automatic right angle milling head

10. Workpiece probe

11. Tool setter

12. Oil mist collector

13. Water gun/Air gun

14. Oil skimmer

DA SERIES

Items	Unit	DA16L20	DA16L25	DA16L30	DA17L20	DA17L25	DA17L30
» Machining Range							
X travel	mm	2000	2500	3100	2000	2500	3100
Y travel	mm	1600	1600	1600	1700	1700	1700
Z travel	mm	800	800	800	800	800	800
Between columns	mm	1600	1600	1600	1700	1700	1700
Table surface to spindle nose		155-955	155-955	155-955	155-955	155-955	155-955
» Table							
Table size	mm	1400×2200	1400×2700	1400×3000	1500×2200	1500×2700	1500×3000
Table load	t	6	7	8	7	8	10
T slot		22	22	22	22	22	22
» Feed							
Cutting feed rate X/Y/Z	m/min	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	10/20/10
Rapid traverse X/Y/Z	m/min	16/24/15	16/24/15	16/24/15	16/24/15	16/24/15	15/24/15
» Spindle							
Drive type		Gear box	Gear box	Gear box	Gear box	Gear box	Gear box
Max. speed	rpm	6000	6000	6000	6000	6000	6000
Spindle power	kW	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5
Spindle torque	N.m	316/522	316/522	316/522	316/522	316/522	316/522
Spindle taper		BT50	BT50	BT50	BT50	BT50	BT50
Ram section	mm	350×350	350×350	350×350	350×350	350×350	350×350
» Tool Magazine (OP)							
Capacity	T	24	24	24	24	24	24
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200
Max. tool length	mm	300	300	300	300	300	300
Max. tool weight	kg	20	20	20	20	20	20
» Other							
Power capacity	kVA	40	40	40	40	40	40
Machine weight	t	18	20	22	19	21	23
Machine size (L×W×H)	mm	6270×4580×4300	7270×4580×4300	8270×4580×4300	6270×4580×4300	7270×4580×4300	8270×4580×4300

Standard Configuration

1. Controller: FANUC 0i

2. Gear box

3. Spindle constant temperature cooling system

4. Z-axis hydraulic balance system

5. Pneumatic, hydraulic, lubrication systems

6. Cutting cooling
7. Internal automatic chip conveyor

8. External chain plate chip conveyor

9. Full enclosure without top

10. 3-color signal lamp and working light

11. Standard attachments and related documents

12. Common maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: Siemens 828D

2. 24/30/40T arm type tool magazine

3. Column increased by 200/400mm (DA series Split heighten)

4. CTS (2/3/TMPa)

5. X/Y/Z linear scale

6. NC rotary table

7. Full enclosure with top
8. AC for electrical cabinet

9. Manual/Automatic right angle milling head

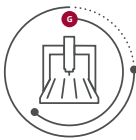
10. Workpiece probe

11. Tool setter

12. Oil mist collector

13. Water gun/Air gun

14. Oil skimmer



DAQ SERIES

Items	Unit	DA16L7Q	DA17L8Q	DA13L16Q	DA13L20Q	DA13L30Q
» Machining Range						
X travel	mm	1600	1700	1600	2000	3100
Y travel	mm	700	850	1300	1300	1300
Z travel	mm	800	800	800	800	800
Between columns	mm	1600	1700	1300	1300	1300
Table surface to spindle nose	mm	100-900	100-900	100-900	100-900	100-900
» Table						
Table size	mm	1400×700	1500×850	1100×1800	1100×2200	1100×3000
Table load	t	2	3	4	5	6
T slot		18	18	22	22	22
» Feed						
Cutting feed rate X/Y/Z	m/min	20/20/10	20/20/10	12/20/10	12/20/10	12/20/10
Rapid traverse X/Y/Z	m/min	24/24/15	24/24/15	20/24/15	16/24/15	16/24/15
» Spindle						
Drive type		Built-in spindle	Built-in spindle	Built-in spindle	Built-in spindle	Built-in spindle
Max. speed	rpm	6000	6000	6000	6000	6000
Spindle power	kW	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5
Spindle torque	N.m	182/224	182/224	182/224	182/224	182/224
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	350×350	350×350	350×350	350×350	350×350
» Tool Magazine (OP)						
Capacity	T	24	24	24	24	24
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200
Max. tool length	mm	300	300	300	300	300
Max. tool weight		20	20	20	20	20
» Other						
Power capacity	kVA	40	40	40	40	40
Machine weight	t	13	14.6	14	16	20
Machine size (L×W×H)	mm	3900×4000×4300	4000×4200×4300	5270×4280×4300	6270×4280×4300	8270×4280×4300

Standard Configuration

1. Controller: FANUC 0i

2. Spindle constant temperature cooling system

3. Z-axis hydraulic balance system

4. Pneumatic, hydraulic, lubrication systems

5. Cutting cooling

6. Internal automatic chip conveyor
7. External chain plate chip conveyor

8. Full enclosure without top

9. 3-color signal lamp and working light

10. Standard attachments and related documents

11. Common maintenance tools

12. CE Mark (EU region)

Option Configuration

1. Controller: Mitsubishi M80

2. HISION 8000rpm built-in spindle

3. Spindle ring spray

4. 24/30/40T arm type tool magazine

5. Column increased by 200/400mm(DAQ series Split heighten)

6. CTS (2/3/7MPa)
7. X/Y/Z linear scale

8. NC rotary table

9. Full enclosure with top

10. AC for electrical cabinet

11. Manual right angle milling head

12. Workpiece probe

13. Tool setter

14. Water gun/Air gun

15. Oil skimmer

DAQ SERIES

Items	Unit	DA16L20Q	DA16L25Q	DA16L30Q	DA17L20Q	DA17L25Q	DA17L30Q
» Machining Range							
X travel	mm	2000	2500	3100	2000	2500	3100
Y travel	mm	1600	1600	1600	1700	1700	1700
Z travel	mm	800	800	800	800	800	800
Between columns	mm	1600	1600	1600	1700	1700	1700
Table surface to spindle nose		100-900	100-900	100-900	100-900	100-900	100-900
» Table							
Table size	mm	1400×2200	1400×2700	1400×3000	1500×2200	1500×2700	1500×3000
Table load	t	6	7	8	7	8	10
T slot		22	22	22	22	22	22
» Feed							
Cutting feed rate X/Y/Z	m/min	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	10/20/10
Rapid traverse X/Y/Z	m/min	16/24/15	16/24/15	16/24/15	16/24/15	16/24/15	15/24/15
» Spindle							
Max. speed	rpm	6000	6000	6000	6000	6000	6000
Spindle power	kW	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5
Spindle torque	N.m	182/224	182/224	182/224	182/224	182/224	182/224
Spindle taper		BT50	BT50	BT50	BT50	BT50	BT50
Ram section	mm	350×350	350×350	350×350	350×350	350×350	350×350
» Tool Magazine (OP)							
Capacity	T	24	24	24	24	24	24
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200	Φ110/Φ200
Max. tool length	mm	300	300	300	300	300	300
Max. tool weight		20	20	20	20	20	20
» Other							
Power capacity	kVA	40	40	40	40	40	40
Machine weight	t	18	20	22	19	21	23
Machine size (L×W×H)	mm	6270×4580×4300	7270×4580×4300	8270×4580×4300	6270×4580×4300	7270×4580×4300	8270×4580×4300

Standard Configuration

1. Controller: FANUC 0i

2. Spindle constant temperature cooling system

3. Z-axis hydraulic balance system

4. Pneumatic, hydraulic, lubrication systems

5. Cutting cooling

6. Internal automatic chip conveyor
7. External chain plate chip conveyor

8. Full enclosure without top

9. 3-color signal lamp and working light

10. Standard attachments and related documents

11. Common maintenance tools

12. CE Mark (EU region)

Option Configuration

1. Controller: Mitsubishi M80

2. HISION 8000rpm built-in spindle

3. Spindle ring spray

4. 24/30/40T arm type tool magazine

5. Column increased by 200/400mm (DAQ series Split heighten)

6. CTS (2/3/7MPa)
7. X/Y/Z linear scale

8. NC rotary table

9. Full enclosure with top

10. AC for electrical cabinet

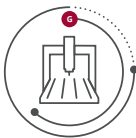
11. Manual right angle milling head

12. Workpiece probe

13. Tool setter

14. Water gun/Air gun

15. Oil skimmer



DB SERIES

Items	Unit	DB20L25	DB20L30	DB20L40
» Machining Range				
X travel	mm	2500	3200	4200
Y travel	mm	2000	2000	2000
Z travel	mm	1000	1000	1000
Between columns	mm	2000	2000	2000
Table surface to spindle nose		150-1150	150-1150	150-1150
» Table				
Table size	mm	1800×2500	1800×3000	1800×4000
Table load	t	10	12	15
T slot		22	22	22
» Feed				
Cutting feed rate X/Y/Z	m/min	10/10/10	10/10/10	10/10/10
Rapid traverse X/Y/Z	m/min	15/20/15	15/20/15	12/20/15
» Spindle				
Drive type		Gear box	Gear box	Gear box
Max. speed	rpm	6000	6000	6000
Spindle power	kW	15/18.5	15/18.5	15/18.5
Spindle torque	N.m	368/605	368/605	368/605
Spindle taper		BT50	BT50	BT50
Ram section	mm	350×350	350×350	350×350
» Tool Magazine (OP)				
Capacity	T	24	24	24
Max. tool dia. (Adjacent/Vacant)	mm	φ110/φ190	φ110/φ190	φ110/φ190
Max. tool length	mm	300	300	300
Max. tool weight		20	20	20
» Other				
Power capacity	kVA	40	40	40
Machine weight	t	24	30	34
Machine size (L×W×H)	mm	8050×4400×5100	9450×4400×5100	11850×4400×5100

Standard Configuration

1. Controller: FANUC 0i

2. Gear box

3. Spindle constant temperature cooling system

4. Z-axis hydraulic balance system

5. Pneumatic, hydraulic, lubrication systems

6. Cutting cooling

7. Internal automatic chip conveyor
8. External chain plate chip conveyor

9. Full enclosure without top(Simple splash guard for DB20L30/40)

10. 3-color signal lamp and working light

11. Standard attachments and related documents

12. Common maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: Siemens 828D

2. 24/30/40T arm type tool magazine

3. Column increased by 200/400/600mm

4. CTS (2/3/7MPa)

5. X/Y/Z linear scale

6. NC rotary table

7. Full enclosure with top
8. AC for electrical cabinet

9. Manual/Automatic right angle milling head

10. Workpiece probe

11. Two-station rotary head stock

12. Tool setter

13. Oil mist collector

14. Water gun/Air gun

15. Oil skimmer

DBQ SERIES

Items	Unit	DB20L25Q	DB20L30Q	DB20L40Q
» Machining Range				
X travel	mm	2500	3200	4200
Y travel	mm	2000	2000	2000
Z travel	mm	800	800	800
Between columns	mm	2000	2000	2000
Table surface to spindle nose		250-1050	250-1050	250-1050
» Table				
Table size	mm	1800×2500	1800×3000	1800×4000
Table load	t	10	12	15
T slot		22	22	22
» Feed				
Cutting feed rate X/Y/Z	m/min	10/10/10	10/10/10	10/10/10
Rapid traverse X/Y/Z	m/min	15/20/15	15/20/15	12/20/15
» Spindle				
Max. speed	rpm	8000	8000	8000
Spindle power	kW	26/45	26/45	26/45
Spindle torque	N.m	305/623	305/623	305/623
Spindle taper		BT50	BT50	BT50
Ram section	mm	380×380	380×380	380×380
» Tool Magazine (OP)				
Capacity	T	24	24	24
Max. tool dia. (Adjacent/Vacant)	mm	φ110/φ190	φ110/φ190	φ110/φ190
Max. tool length	mm	300	300	300
Max. tool weight	kg	20	20	20
» Other				
Power capacity	kVA	60	60	60
Machine weight	t	24	30	34
Machine size (L×W×H)	mm	8050×4400×5100	9450×4400×5100	11850×4400×5100

Standard Configuration

1. Controller: FANUC 0i

2. Spindle constant temperature cooling system

3. Z-axis hydraulic balance system

4. Pneumatic, hydraulic, lubrication systems

5. Cutting cooling

6. Internal automatic chip conveyor

7. External chain plate chip conveyor
8. Full enclosure without top (Simple splash guard for DB20L30/40Q)

9. 3-color signal lamp and working light

10. Standard attachments and related documents

11. Common maintenance tools

12. CE Mark (EU region)

Option Configuration

1. Controller: Mitsubishi M80

2. HISION 12000rpm built-in spindle

3. Spindle ring spray

4. 24/30/40T arm type tool magazine

5. Column increased by 200/400/600mm

6. CTS (2/3/7MPa)

7. X/Y/Z linear scale
8. NC rotary table

9. Full enclosure with top

10. AC for electrical cabinet

11. Manual/Automatic right angle milling head

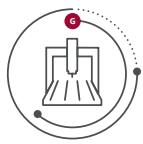
12. Workpiece probe

13. Two-station rotary head stock

14. Tool setter

15. Water gun/Air gun

16. Oil skimmer



DC/DD/DE/DG SERIES

Inheriting the structural characteristics of strong rigidity and wide processing range of traditional double column products, integrating advanced technical elements, and pursuing the development concept of high efficiency, high precision, and energy saving. Create new generation of double column machining center. Widely used in mold, rail transportation, automotive, house appliances, medical and other high-end manufacturing industries.

• DC Series

DC series adopt full gear transmission ram, two speed shift gear box to achieve high speed, high torque cutting.

• DD/DE/DG Series

DD/DE/DG series adopts square ram, which has high rigidity structure, strong and stable cutting performance.

DC/DD/DE/DG SERIES



Column Rotating Head Magazine

Compact structure, realizing automatic head change, reducing auxiliary processing time and improving processing efficiency.



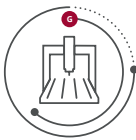
Auxiliary Support Structure of Lead Screw

The follow-up auxiliary support structure provides the best support position for the large stroke lead screw to ensure the long-term stable high-precision operation of the machine tool.

High Torque Gear Reducer

Gear shifting is realized through hydraulic automatic shift, and stepless speed regulation is implemented in each gear. The whole system is simple and reliable in structure.





DC SERIES

Items	Unit	DC28L30	DC28L40	DC28L50	DC28L60	DC28L80
» Machining Range						
X travel	mm	3200	4200	5500	6500	8500
Y travel	mm	2700	2700	2700	2700	2700
Z travel	mm	1000 (1250 Option)	1000 (1250 Option)	1000 (1250 Option)	1000 (1250 Option)	1000 (1250 Option)
Distance between columns	mm	2800	2800	2800	2800	2800
Spindle nose to table surface	mm	150-1150	150-1150	150-1150	150-1150	150-1150
» Table						
Table size	mm	2000×3000	2000×4000	2000×5000	2000×6000	2000×8000
Table loading	t	15	18	22	25	30
T slot size		22×200×9	22×200×9	22×200×9	22×200×9	22×200×9
» Feed						
Cutting feedrate (X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	10/10/10	6/10/10
Rapid traverse (X/Y/Z)	m/min	20/20/15	20/20/15	15/20/15	15/20/15	10/20/15
» Spindle						
Max. Spindle speed	rpm	6000	6000	6000	6000	6000
Spindle power	kW	22/26	22/26	22/26	22/26	22/26
Spindle torque	N.m	866/1023	866/1023	866/1023	866/1023	866/1023
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	400×400	400×400	400×400	400×400	400×400
» Tool Magazine (OP)						
Tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	300	300	300	300	300
Max. tool weight	kg	20	20	20	20	20
» Other						
Power capacity	kVA	55	55	55	55	55
Machine weight	t	36	42	48	53	64
Machine size (L×W×H)	mm	10100×5300×5500	12100×5300×5500	14500×5300×5500	16500×5300×5500	21000×5300×5500

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Z axis hydraulic balance system

4. Spindle oil chiller

5. Pneumatic, hydraulic and lubrication system

6. Simple splash guard
7. Automatic internal chip removal

8. Cutting cooling

9. External chain type chip conveyor

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: FANUC 31i

2. Controller: SIEMENS 828D/840Dsl

3. 24/40T arm type ATC

4. 40/60T V&H ATC

5. Column heighten

6. Beam(Y axis) extended

7. Z travel 1250mm (400×400 ram, 4000rpm)
8. CTS (2/3/7MPa)

9. Linear scale

10. NC rotary table(4th)

11. AC for electrical cabinet

12. Automatic milling head

13. Head stock

14. Workpiece probe

15. Tool setter

16. Water/air gun

DC SERIES

Items	Unit	DC32L40	DC32L50	DC32L60	DC32L80	DC36L60	DC36L80
» Machining Range							
X travel	mm	4200	5500	6500	8500	6500	8500
Y travel	mm	3200	3200	3200	3200	3600	3600
Z travel	mm	1000 (1250 Option)	1000 (1250 Option)	1000 (1250 Option)	1000 (1250 Option)	1000 (1250 Option)	1000 (1250 Option)
Distance between columns	mm	3200	3200	3200	3200	3600	3600
Spindle nose to table surface	mm	150-1150	150-1150	150-1150	150-1150	200-1200	200-1200
» Table							
Table size	mm	2500×4000	2500×5000	2500×6000	2500×8000	3000×6000	3000×8000
Table loading	t	20	24	26	30	25	30
T slot size		28×200×12	28×200×12	28×200×12	28×200×12	28×200×14	28×200×14
» Feed							
Cutting feedrate (X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	6/10/10	6/6/6	6/6/6
Rapid traverse (X/Y/Z)	m/min	20/20/15	15/20/15	15/20/15	10/20/15	10/15/10	10/15/10
» Spindle							
Max. Spindle speed	rpm	6000	6000	6000	6000	6000	6000
Spindle power	kW	22/26	22/26	22/26	22/26	22/26	22/26
Spindle torque	N.m	866/1023	866/1023	866/1023	866/1023	866/1023	866/1023
Spindle taper		BT50	BT50	BT50	BT50	BT50	BT50
Ram section	mm	400×400	400×400	400×400	400×400	400×400	400×400
» Tool Magazine (OP)							
Tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	300	300	300	300	400	400
Max. tool weight	kg	20	20	20	20	20	20
» Other							
Power capacity	kVA	55	55	55	55	55	55
Machine weight	t	47	52	60	73	80	98
Machine size (L×W×H)	mm	12100×5800×5500	14500×5800×5500	16500×5800×5500	21000×5800×5500	17000×6200×6950	23000×6200×6950

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Z axis hydraulic balance system

4. Spindle oil chiller

5. Pneumatic, hydraulic and lubrication system

6. Simple splash guard
7. Automatic internal chip removal

8. Cutting cooling

9. External chain type chip conveyor

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: FANUC 31i

2. Controller: SIEMENS 828D/840Dsl

3. 24/40T arm type ATC

4. 40/60T V&H ATC

5. Column heighten

6. Beam(Y axis) extended

7. Z travel 1250mm (400×400 ram, 4000rpm)
8. CTS (2/3/7MPa)

9. Linear scale

10. NC rotary table(4th)

11. AC for electrical cabinet

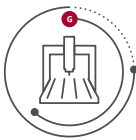
12. Automatic milling head

13. Head stock

14. Workpiece probe

15. Tool setter

16. Water/air gun



DCQ SERIES

Items	Unit	DC28L30Q	DC28L40Q	DC28L50Q	DC28L60Q	DC28L80Q
» Machining Range						
X travel	mm	3200	4200	5500	6500	8500
Y travel	mm	2700	2700	2700	2700	2700
Z travel	mm	1000	1000	1000	1000	1000
Distance between columns	mm	2800	2800	2800	2800	2800
Spindle nose to table surface	mm	250-1250	250-1250	250-1250	250-1250	250-1250
» Table						
Table size	mm	2000×3000	2000×4000	2000×5000	2000×6000	2000×8000
Table loading	t	15	18	22	25	30
T slot size		22×200×9	22×200×9	22×200×9	22×200×9	22×200×9
» Feed						
Cutting feedrate (X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	10/10/10	6/10/10
Rapid traverse (X/Y/Z)	m/min	20/20/15	20/20/15	15/20/15	15/20/15	10/20/15
» Spindle						
Max. Spindle speed	rpm	6000	6000	6000	6000	6000
Spindle power	kW	22/25	22/25	22/25	22/25	22/25
Spindle torque	Nm	505/600	505/600	505/600	505/600	505/600
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (OP)						
Tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	300	300	300	300	300
Max. tool weight	kg	20	20	20	20	20
» Other						
Power capacity	kVA	55	55	55	55	55
Machine weight	t	36	42	48	53	64
Machine size (L×W×H)	cm	1010×530×580	1210×530×580	1450×530×580	1650×530×580	2100×530×580

Standard Configuration

1. Controller: FANUC 0i

2. HISION built-in spindle

3. Z axis hydraulic balance system

4. Spindle oil chiller

5. Pneumatic, hydraulic and lubrication system

6. Simple splash guard
7. Automatic internal chip removal

8. Cutting cooling

9. External chain type chip conveyor

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: FANUC 31i

2. Controller: SIEMENS 828D/840Dsl

3. 24/40T arm type ATC

4. 40/60T V&H ATC

5. Column heighten

6. Beam(Y axis) extended

7. Z travel 1250mm (420×430 ram)
8. CTS (2/3/7MPa)

9. Linear scale

10. NC rotary table(4th)

11. AC for electrical cabinet

12. Automatic milling head

13. Head stock

14. Workpiece probe

15. Tool setter

16. Water/air gun

DCQ SERIES

Items	Unit	DC32L40Q	DC32L50Q	DC32L60Q	DC32L80Q
» Machining Range					
X travel	mm	4200	5500	6500	8500
Y travel	mm	3200	3200	3200	3200
Z travel	mm	1000	1000	1000	1000
Distance between columns	mm	3200	3200	3200	3200
Spindle nose to table surface	mm	250-1250	250-1250	250-1250	250-1250
» Table					
Table size	mm	2500×4000	2500×5000	2500×6000	2500×8000
Table loading	t	20	24	26	30
T slot size		28×200×12	28×200×12	28×200×12	28×200×12
» Feed					
Cutting feedrate (X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	6/10/10
Rapid traverse (X/Y/Z)	m/min	20/20/15	15/20/15	15/20/15	10/20/15
» Spindle					
Max. Spindle speed	rpm	6000	6000	6000	6000
Spindle power	kW	22/25	22/25	22/25	22/25
Spindle torque	Nm	505/600	505/600	505/600	505/600
Spindle taper		BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430
» Tool Magazine (OP)					
Tool magazine capacity	T	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	300	300	300	300
Max. tool weight	kg	20	20	20	20
» Other					
Power capacity	kVA	55	55	55	55
Machine weight	t	47	52	60	73
Machine size (L×W×H)	cm	1210×580×580	1450×580×580	1650×580×580	2100×580×580

Standard Configuration

1. Controller: FANUC 0i

2. HISION built-in spindle

3. Z axis hydraulic balance system

4. Spindle oil chiller

5. Pneumatic, hydraulic and lubrication system

6. Simple splash guard
7. Automatic internal chip removal

8. Cutting cooling

9. External chain type chip conveyor

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: FANUC 31i

2. Controller: SIEMENS 828D/840Dsl

3. 24/40T arm type ATC

4. 40/60T V&H ATC

5. Column heighten

6. Beam(Y axis) extended

7. Z travel 1250mm (420×430 ram)
8. CTS (2/3/7MPa)

9. Linear scale

10. NC rotary table(4th)

11. AC for electrical cabinet

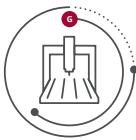
12. Automatic milling head

13. Head stock

14. Workpiece probe

15. Tool setter

16. Water/air gun



DD SERIES

Items	Unit	DD28L30	DD28L40	DD28L50	DD28L60	DD28L80
» Machining Range						
X travel	mm	3200	4200	5500	6500	8500
Y travel	mm	2700	2700	2700	2700	2700
Z travel	mm	1250	1250	1250	1250	1250
Distance between columns	mm	2800	2800	2800	2800	2800
Spindle nose to table surface	mm	100-1350	100-1350	100-1350	100-1350	100-1350
» Table						
Table size	mm	2000×3000	2000×4000	2000×5000	2000×6000	2000×8000
Table loading	t	16	20	24	26	30
T slot size		22×200×9	22×200×9	22×200×9	22×200×9	22×200×9
» Feed						
Cutting feedrate (X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	10/10/10	6/10/10
Rapid traverse (X/Y/Z)	m/min	20/20/15	20/20/15	15/20/15	15/20/15	10/20/15
» Spindle						
Max. Spindle speed	rpm	4000	4000	4000	4000	4000
Spindle power	kW	22/26	22/26	22/26	22/26	22/26
Spindle torque	N.m	1680/1980	1680/1980	1680/1980	1680/1980	1680/1980
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (OP)						
Tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	20
» Other						
Power capacity	kVA	55	55	55	55	55
Machine weight	t	38	44	48	55	67
Machine size (L×W×H)	mm	10100×5300×5900	12100×5300×5900	14500×5300×5900	16500×5300×5900	21000×5300×5900

Standard Configuration

1. Controller：FANUC 0i

2. Gear box drive

3. Z axis hydraulic balance system

4. Spindle oil chiller

5. Pneumatic, hydraulic and lubrication system

6. Simple splash guard
7. Automatic internal chip removal

8. Cutting cooling

9. External chain type chip conveyor

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller：FANUC 31i

2. Controller：SIEMENS 828D/ONE

3. 24/40T arm type ATC

4. 40/60T V&H ATC

5. Column heighten

6. Beam(Y axis) extended

7. CTS (2/3/7MPa)
8. Linear scale

9. NC rotary table(4th)

10. AC for electrical cabinet

11. Automatic milling head

12. Head stock

13. Workpiece probe

14. Tool setter

15. Water/air gun

DD SERIES

Items	Unit	DD32L40	DD32L50	DD32L60	DD32L80	DD32L100	DD32L120
» Machining Range							
X travel	mm	4200	5500	6500	8500	10500	12500
Y travel	mm	3200	3200	3200	3200	3200	3200
Z travel	mm	1250	1250	1250	1250	1250	1250
Distance between columns	mm	3200	3200	3200	3200	3200	3200
Spindle nose to table surface	mm	200-1450	200-1450	200-1450	200-1450	200-1450	200-1450
» Table							
Table size	mm	2500×4000	2500×5000	2500×6000	2500×8000	2500×10000	2500×12000
Table loading	t	22	26	30	35	45	55
T slot size		28×200×12	28×200×12	28×200×12	28×200×12	28×200×12	28×200×12
» Feed							
Cutting feedrate (X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	6/10/10	6/10/10	6/10/10
Rapid traverse (X/Y/Z)	m/min	20/20/15	15/20/15	15/20/15	10/20/15	10/20/15	10/20/15
» Spindle							
Max. Spindle speed	rpm	4000	4000	4000	4000	4000	4000
Spindle power	kW	22/26	22/26	22/26	22/26	22/26	22/26
Spindle torque	N.m	1680/1980	1680/1980	1680/1980	1680/1980	1680/1980	1680/1980
Spindle taper		BT50	BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (OP)							
Tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	20	20
» Other							
Power capacity	kVA	55	55	55	55	55	55
Machine weight	t	55	62	69	84	100	112
Machine size (L×W×H)	mm	12500×5800×6100	15000×5800×6100	17000×5800×6100	21000×5800×6100	29000×5800×6100	32000×5800×6100

Standard Configuration

1. Controller：FANUC 0i

2. Gear box drive

3. Z axis hydraulic balance system

4. Spindle oil chiller

5. Pneumatic, hydraulic and lubrication system

6. Simple splash guard
7. Automatic internal chip removal

8. Cutting cooling

9. External chain type chip conveyor

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller：FANUC 31i

2. Controller：SIEMENS 828D/ONE

3. 24/40T arm type ATC

4. 40/60T V&H ATC

5. Column heighten

6. Beam(Y axis) extended

7. CTS (2/3/7MPa)
8. Linear scale

9. NC rotary table(4th)

10. AC for electrical cabinet

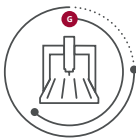
11. Automatic milling head

12. Head stock

13. Workpiece probe

14. Tool setter

15. Water/air gun



DD SERIES

Items	Unit	DD36L50	DD36L60	DD36L80	DD36L100	DD36L120
» Machining Range						
X travel	mm	5500	6500	8500	10500	12500
Y travel	mm	3600	3600	3600	3600	3600
Z travel	mm	1250	1250	1250	1250	1250
Distance between columns	mm	3600	3600	3600	3600	3600
Spindle nose to table surface	mm	200-1450	200-1450	200-1450	200-1450	200-1450
» Table						
Table size	mm	3000×5000	3000×6000	3000×8000	3000×10000	3000×12000
Table loading	t	28	35	40	50	60
T slot size		28×200×14	28×200×14	28×200×14	28×200×14	28×200×14
» Feed						
Cutting feedrate (X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse (X/Y/Z)	m/min	10/15/15	10/15/15	10/15/15	10/15/15	10/15/15
» Spindle						
Max. Spindle speed	rpm	4000	4000	4000	4000	4000
Spindle power	kW	22/26	22/26	22/26	22/26	22/26
Spindle torque	N.m	1680/1980	1680/1980	1680/1980	1680/1980	1680/1980
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (OP)						
Tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	20
» Other						
Power capacity	kVA	65	65	65	65	65
Machine weight	t	73	81	99	116	132
Machine size (L×W×H)	mm	15000×6200×6950	17000×6200×6950	23000×6200×6950	29000×6200×6950	32000×6200×6950

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Z axis hydraulic balance system

4. Spindle oil chiller

5. Pneumatic, hydraulic and lubrication system

6. Simple splash guard
7. Automatic internal chip removal

8. Cutting cooling

9. External chain type chip conveyor

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: FANUC 31i

2. Controller: SIEMENS 828D/ONE

3. 24/40T arm type ATC

4. 40/60T V&H ATC

5. Column heighten

6. Beam(Y axis) extended

7. CTS (2/3/7MPa)
8. Linear scale

9. NC rotary table(4th)

10. AC for electrical cabinet

11. Automatic milling head

12. Head stock

13. Workpiece probe

14. Tool setter

15. Water/air gun

DD SERIES

Items	Unit	DD42L50	DD42L60	DD42L80	DD42L100	DD42L120
» Machining Range						
X travel	mm	5500	6500	8500	10500	12500
Y travel	mm	4200	4200	4200	4200	4200
Z travel	mm	1250	1250	1250	1250	1250
Distance between columns	mm	4200	4200	4200	4200	4200
Spindle nose to table surface	mm	200-1450	200-1450	200-1450	200-1450	200-1450
» Table						
Table size	mm	3500×5000	3500×6000	3500×8000	3500×10000	3500×12000
Table loading	t	22	30	35	45	55
T slot size		36×250×20	36×250×24	36×250×32	36×250×40	36×250×48
» Feed						
Cutting feedrate (X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse (X/Y/Z)	m/min	10/15/15	10/15/15	10/15/15	10/15/15	10/15/15
» Spindle						
Max. Spindle speed	rpm	4000	4000	4000	4000	4000
Spindle power	kW	22/26	22/26	22/26	22/26	22/26
Spindle torque	N.m	1680/1980	1680/1980	1680/1980	1680/1980	1680/1980
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (OP)						
Tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	20
» Other						
Power capacity	kVA	65	65	65	65	65
Machine weight	t	84	94	117	133	149
Machine size (L×W×H)	mm	15000×7100×6950	17000×7100×6950	21000×7100×6950	29000×7100×6950	32000×7100×6950

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Z axis hydraulic balance system

4. Spindle oil chiller

5. Pneumatic, hydraulic and lubrication system

6. Simple splash guard
7. Automatic internal chip removal

8. Cutting cooling

9. External chain type chip conveyor

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: FANUC 31i

2. Controller: SIEMENS 828D/ONE

3. 24/40T arm type ATC

4. 40/60T V&H ATC

5. Column heighten

6. Beam(Y axis) extended

7. CTS (2/3/7MPa)
8. Linear scale

9. NC rotary table(4th)

10. AC for electrical cabinet

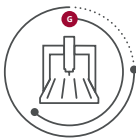
11. Automatic milling head

12. Head stock

13. Workpiece probe

14. Tool setter

15. Water/air gun



DE SERIES

Items	Unit	DE28L30	DE28L40	DE28L50	DE28L60	DE28L80
» Machining Range						
X travel	mm	3200	4200	5500	6500	8500
Y travel	mm	2800	2800	2800	2800	2800
Z travel	mm	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)
Distance between columns	mm	2800	2800	2800	2800	2800
Spindle nose to table surface	mm	150-1400	150-1400	150-1400	150-1400	150-1400
» Table						
Table size	mm	2000×3000	2000×4000	2000×5000	2000×6000	2000×8000
Table loading	t	15	18	22	25	30
T slot size		22×200×9	22×200×9	22×200×9	22×200×9	22×200×9
» Feed						
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	15/15/10	12/15/10	10/15/10	10/15/10	10/15/10
» Spindle						
Max. spindle speed	rpm	3500	3500	3500	3500	3500
Spindle power	kW	30/37	30/37	30/37	30/37	30/37
Spindle torque	N.m	1860/2300	1860/2300	1860/2300	1860/2300	1860/2300
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (OP)						
Vertical tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	20
V&H tool magazine capacity	T	40/60	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	25	25	25	25	25
» Other						
Power capacity	kVA	65	65	65	65	65
Machine weight	t	44	49	56	63	74
Machine size (L×W×H)	mm	10500×5300×6750	12500×5300×6750	15000×5300×6750	17000×5300×6750	21000×5300×6750

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Pneumatic, hydraulic and lubrication system

6. Cutting cooling
7. Automatic internal chip removal

8. External chain type chip conveyor

9. Simple splash guard

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D

2. Column heighten
200/400/600/800mm

3. Y travel extended

4. 40/60/90 V&H tool magazine

5. CTS (2/3/7MPa)

6. NC rotary table

7. Full enclosure

8. Linear scale
9. Auto milling heads

10. Two-station rotary
head stock

11. Tool setter

12. Workpiece probe

13. Oil skimmer

14. Water gun

15. Air gun

16. AC for electrical cabinet

DE SERIES

Items	Unit	DE32L40	DE32L50	DE32L60	DE32L80	DE32L100	DE32L120
» Machining Range							
X travel	mm	4200	5500	6500	8500	10500	12500
Y travel	mm	3200	3200	3200	3200	3200	3200
Z travel	mm	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)
Distance between columns	mm	3200	3200	3200	3200	3200	3200
Spindle nose to table surface	mm	250-1500	250-1500	250-1500	250-1500	250-1500	250-1500
» Table							
Table size	mm	2500×4000	2500×5000	2500×6000	2500×8000	2500×10000	2500×12000
Table loading	t	20	25	28	35	45	55
T slot size		28×200×12	28×200×12	28×200×12	28×200×12	28×200×12	28×200×12
» Feed							
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	12/15/10	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10
» Spindle							
Max. spindle speed	rpm	3500	3500	3500	3500	3500	3500
Spindle power	kW	30/37	30/37	30/37	30/37	30/37	30/37
Spindle torque	N.m	1860/2300	1860/2300	1860/2300	1860/2300	1860/2300	1860/2300
Spindle taper		BT50	BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (OP)							
Vertical tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	20	20
V&H tool magazine capacity	T	40/60	40/60	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400	400	400
Max. tool weight	kg	25	25	25	25	25	25
» Other							
Power capacity	kVA	65	65	65	65	65	65
Machine weight	t	60	68	76	90	112	125
Machine size (L×W×H)	mm	12500×5800×6950	15000×5800×6950	17000×5800×6950	21000×5800×6950	29000×5800×6950	32000×5800×6950

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Pneumatic, hydraulic and lubrication system

6. Cutting cooling
7. Automatic internal chip removal

8. External chain type chip conveyor

9. Simple splash guard

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D

2. Column heighten
200/400/600/800mm

3. Y travel extended

4. 40/60/90 V&H tool magazine

5. CTS (2/3/7MPa)

6. NC rotary table

7. Full enclosure

8. Linear scale
9. Auto milling heads

10. Two-station rotary
head stock

11. Tool setter

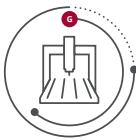
12. Workpiece probe

13. Oil skimmer

14. Water gun

15. Air gun

16. AC for electrical cabinet



DE SERIES

Items	Unit	DE36L50	DE36L60	DE36L80	DE36L100	DE36L120
» Machining Range						
X travel	mm	5500	6500	8500	10500	12500
Y travel	mm	3600	3600	3600	3600	3600
Z travel	mm	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)
Distance between columns	mm	3600	3600	3600	3600	3600
Spindle nose to table surface	mm	200-1450	200-1450	200-1450	200-1450	200-1450
» Table						
Table size	mm	3000×5000	3000×6000	3000×8000	3000×10000	3000×12000
Table loading	t	28	35	40	50	60
T slot size		28×200×14	28×200×14	28×200×14	28×200×14	28×200×14
» Feed						
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10
» Spindle						
Max. spindle speed	rpm	3500	3500	3500	3500	3500
Spindle power	kW	30/37	30/37	30/37	30/37	30/37
Spindle torque	N.m	1860/2300	1860/2300	1860/2300	1860/2300	1860/2300
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (OP)						
Vertical tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	20
V&H tool magazine capacity	T	40/60	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	25	25	25	25	25
» Other						
Power capacity	kVA	80	80	80	80	80
Machine weight	t	74	81	99	116	132
Machine size (L×W×H)	mm	15000×6200×6950	17000×6200×6950	21000×6200×6950	29000×6200×6950	32000×6200×6950

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Pneumatic, hydraulic and lubrication system

6. Cutting cooling
7. Automatic internal chip removal

8. External chain type chip conveyor

9. Simple splash guard

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D

2. Column heighten
200/400/600/800mm

3. Y travel extended

4. 40/60/90 V&H tool magazine

5. CTS (2/3/7MPa)

6. NC rotary table

7. Full enclosure

8. Linear scale
9. Auto milling heads

10. Two-station rotary head stock

11. Tool setter

12. Workpiece probe

13. Oil skimmer

14. Water gun

15. Air gun

16. AC for electrical cabinet

DE SERIES

Items	Unit	DE42L50	DE42L60	DE42L80	DE42L100	DE42L120
» Machining Range						
X travel	mm	5500	6500	8500	10500	12500
Y travel	mm	4200	4200	4200	4200	4200
Z travel	mm	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)
Distance between columns	mm	4200	4200	4200	4200	4200
Spindle nose to table surface	mm	200-1450	200-1450	200-1450	200-1450	200-1450
» Table						
Table size	mm	3500×5000	3500×6000	3500×8000	3500×10000	3500×12000
Table loading	t	22	30	35	45	55
T slot size		36×250×20	36×250×24	36×250×32	36×250×40	36×250×48
» Feed						
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10
» Spindle						
Max. spindle speed	rpm	3500	3500	3500	3500	3500
Spindle power	kW	30/37	30/37	30/37	30/37	30/37
Spindle torque	N.m	1860/2300	1860/2300	1860/2300	1860/2300	1860/2300
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (OP)						
Vertical tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	φ110/φ220	φ110/φ220	φ110/φ220	φ110/φ220	φ110/φ220
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	20
V&H tool magazine capacity	T	40/60	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	φ125/φ250	φ125/φ250	φ125/φ250	φ125/φ250	φ125/φ250
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	25	25	25	25	25
» Other						
Power capacity	kVA	80	80	80	80	80
Machine weight	t	84	94	117	133	149
Machine size (L×W×H)	mm	15000×7100×6950	17000×7100×6950	21000×7100×6950	29000×7100×6950	32000×7100×6950

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Pneumatic, hydraulic and lubrication system

6. Cutting cooling
7. Automatic internal chip removal

8. External chain type chip conveyor

9. Simple splash guard

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D

2. Column heighten
200/400/600/800mm

3. Y travel extended

4. 40/60/90 V&H tool magazine

5. CTS (2/3/7MPa)

6. NC rotary table

7. Full enclosure

8. Linear scale
9. Auto milling heads

10. Two-station rotary head stock

11. Tool setter

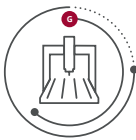
12. Workpiece probe

13. Oil skimmer

14. Water gun

15. Air gun

16. AC for electrical cabinet



DG SERIES

Items	Unit	DG28L30	DG28L40	DG28L50	DG28L60	DG28L80	DG32L40
» Machining Range							
X travel	mm	3200	4200	5500	6500	8500	4200
Y travel	mm	2800	2800	2800	2800	2800	3200
Z travel	mm	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)
Distance between columns	mm	2800	2800	2800	2800	2800	3200
Spindle nose to table surface	mm	150-1400	150-1400	150-1400	150-1400	150-1400	250-1500
» Table							
Table size	mm	2000×3000	2000×4000	2000×5000	2000×6000	2000×8000	2500×4000
Table loading	t	15	18	22	25	30	20
T slot size		22×200×9	22×200×9	22×200×9	22×200×9	22×200×9	28×200×12
» Feed							
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	15/15/10	12/15/10	10/15/10	10/15/10	10/15/10	12/15/10
» Spindle							
Max. spindle speed	rpm	3500	3500	3500	3500	3500	3500
Spindle power	kW	30/37	30/37	30/37	30/37	30/37	30/37
Spindle torque	N.m	1860/2300	1860/2300	1860/2300	1860/2300	1860/2300	1860/2300
Spindle taper		BT50	BT50	BT50	BT50	BT50	BT50
Ram section	mm	500×500	500×500	500×500	500×500	500×500	500×500
» Tool Magazine (OP)							
Vertical tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	25	20
V&H tool magazine capacity	T	40/60	40/60	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400	400	400
Max. tool weight	kg	25	25	25	25	25	25
» Other							
Power capacity	kVA	65	65	65	65	65	65
Machine weight	t	46	51	58	65	76	62
Machine size (L×W×H)	mm	10500×5300×6750	12500×5300×6750	15000×5300×6750	17000×5300×6750	21000×5300×6750	12500×5800×6950

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Pneumatic, hydraulic and lubrication system

6. Cutting cooling
7. Automatic internal chip removal

8. External chain type chip conveyor

9. Simple splash guard

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D

2. Column heighten
200/400/600/800mm

3. Y travel extended

4. 40/60/90 V&H tool magazine

5. CTS (2/3/7MPa)

6. NC rotary table

7. Full enclosure

8. Linear scale
9. Auto milling heads

10. Two-station rotary head stock

11. Tool setter

12. Workpiece probe

13. Oil skimmer

14. Water gun

15. Air gun

16. AC for electrical cabinet

DG SERIES

Items	Unit	DG32L50	DG32L60	DG32L80	DG32L100	DG32L120
» Machining Range						
X travel	mm	5500	6500	8500	10500	12500
Y travel	mm	3200	3200	3200	3200	3200
Z travel	mm	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)
Distance between columns	mm	3200	3200	3200	3200	3200
Spindle nose to table surface	mm	250-1500	250-1500	250-1500	250-1500	250-1500
» Table						
Table size	mm	2500×5000	2500×6000	2500×8000	2500×10000	2500×12000
Table loading	t	25	28	35	45	55
T slot size		28×200×12	28×200×12	28×200×12	28×200×12	28×200×12
» Feed						
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10
» Spindle						
Max. spindle speed	rpm	3500	3500	3500	3500	3500
Spindle power	kW	30/37	30/37	30/37	30/37	30/37
Spindle torque	N.m	1860/2300	1860/2300	1860/2300	1860/2300	1860/2300
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	500×500	500×500	500×500	500×500	500×500
» Tool Magazine (OP)						
Vertical tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	20
V&H tool magazine capacity	T	40/60	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	25	25	25	25	25
» Other						
Power capacity	kVA	65	65	65	65	65
Machine weight	t	70	78	92	114	127
Machine size (L×W×H)	mm	15000×5800×6950	17000×5800×6950	21000×5800×6950	29000×5800×6950	32000×5800×6950

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Pneumatic, hydraulic and lubrication system

6. Cutting cooling
7. Automatic internal chip removal

8. External chain type chip conveyor

9. Simple splash guard

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D

2. Column heighten
200/400/600/800mm

3. Y travel extended

4. 40/60/90 V&H tool magazine

5. CTS (2/3/7MPa)

6. NC rotary table

7. Full enclosure

8. Linear scale
9. Auto milling heads

10. Two-station rotary head stock

11. Tool setter

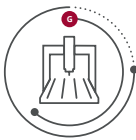
12. Workpiece probe

13. Oil skimmer

14. Water gun

15. Air gun

16. AC for electrical cabinet



DG SERIES

Items	Unit	DG36L50	DG36L60	DG36L80	DG36L100	DG36L120
» Machining Range						
X travel	mm	5500	6500	8500	10500	12500
Y travel	mm	3600	3600	3600	3600	3600
Z travel	mm	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)	1250 (1500 option)
Distance between columns	mm	3600	3600	3600	3600	3600
Spindle nose to table surface	mm	200-1450	200-1450	200-1450	200-1450	200-1450
» Table						
Table size	mm	3000×5000	3000×6000	3000×8000	3000×10000	3000×12000
Table loading	t	28	35	40	50	60
T slot size		28×200×14	28×200×14	28×200×14	28×200×14	28×200×14
» Feed						
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10
» Spindle						
Max. spindle speed	rpm	3500	3500	3500	3500	3500
Spindle power	kW	30/37	30/37	30/37	30/37	30/37
Spindle torque	N.m	1860/2300	1860/2300	1860/2300	1860/2300	1860/2300
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	500×500	500×500	500×500	500×500	500×500
» Tool Magazine (OP)						
Vertical tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	20
V&H tool magazine capacity	T	40/60	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	25	25	25	25	25
» Other						
Power capacity	kVA	80	80	80	80	80
Machine weight	t	76	83	101	118	134
Machine size (L×W×H)	mm	15000×6200×6950	17000×6200×6950	21000×6200×6950	29000×6200×6950	32000×6200×6950

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Pneumatic, hydraulic and lubrication system

6. Cutting cooling
7. Automatic internal chip removal

8. External chain type chip conveyor

9. Simple splash guard

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D

2. Column heighten
200/400/600/800mm

3. Y travel extended

4. 40/60/90 V&H tool magazine

5. CTS (2/3/7MPa)

6. NC rotary table

7. Full enclosure

8. Linear scale
9. Auto milling heads

10. Two-station rotary head stock

11. Tool setter

12. Workpiece probe

13. Oil skimmer

14. Water gun

15. Air gun

16. AC for electrical cabinet

DG SERIES

Items	Unit	DG42L50	DG42L60	DG42L80	DG42L100	DG42L120
» Machining Range						
X travel	mm	5500	6500	8500	10500	12500
Y travel	mm	4200	4200	4200	4200	4200
Z travel	mm	1250	1250	1250	1250	1250
Distance between columns	mm	4200	4200	4200	4200	4200
Spindle nose to table surface	mm	200-1450	200-1450	200-1450	200-1450	200-1450
» Table						
Table size	mm	3500×5000	3500×6000	3500×8000	3500×10000	3500×12000
Table loading	t	22	30	35	45	55
T slot size		36×250×20	36×250×24	36×250× 32	36×250×40	36×250×48
» Feed						
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10
» Spindle						
Max. spindle speed	rpm	3500	3500	3500	3500	3500
Spindle power	kW	30/37	30/37	30/37	30/37	30/37
Spindle torque	N.m	1860/2300	1860/2300	1860/2300	1860/2300	1860/2300
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	500×500	500×500	500×500	500×500	500×500
» Tool Magazine (OP)						
Vertical tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	20	20	20	20	20
V&H tool magazine capacity	T	40/60	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	25	25	25	25	25
» Other						
Power capacity	kVA	80	80	80	80	80
Machine weight	t	86	96	119	135	151
Machine size (L×W×H)	mm	15000×7100×6950	17000×7100×6950	21000×7100×6950	29000×7100×6950	32000×7100×6950

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Pneumatic, hydraulic and lubrication system

6. Cutting cooling
7. Automatic internal chip removal

8. External chain type chip conveyor

9. Simple splash guard

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D

2. Column heighten
200/400/600/800mm

3. Y travel extended

4. 40/60/90 V&H tool magazine

5. CTS (2/3/7MPa)

6. NC rotary table

7. Full enclosure

8. Linear scale
9. Auto milling heads

10. Two-station rotary head stock

11. Tool setter

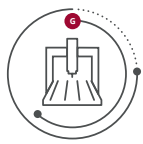
12. Workpiece probe

13. Oil skimmer

14. Water gun

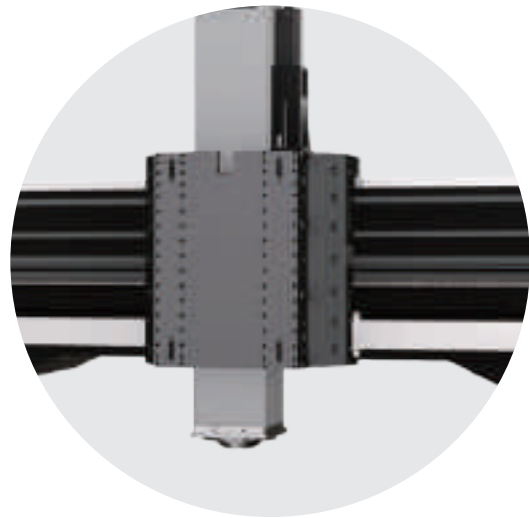
15. Air gun

16. AC for electrical cabinet



DDE/DJE/DP/DGM/DHM/DHME

The product inherits the characteristics of traditional gantry machine tools, such as strong rigidity, symmetrical structure and high stability. Through finite element analysis, it optimizes the structure of basic components, improves the dynamic performance of the product, and obtains the perfect combination of high power, high torque, high efficiency and high-precision processing. It is applicable to large and heavy processing fields such as ships, metallurgy, petrochemical industry, mining machinery, electric power and energy, plastic machinery, engineering machinery, heavy industry machinery, etc.



High Rigid Square Ram

Square ram adopts all inclusive four side constrained hardened guide rail; Double hydraulic cylinder balance; The whole system has strong rigidity; It has strong cutting ability and accuracy stability.

HISION Made Powerful Spindle

The powerful spindle with double row cylindrical roller bearing has high rigidity and large output torque.



DDE/DJE Series



DP Series



DHME Series



DGM/DHM Series

DDE/DJE/DP/DGM/DHM/DHME



Multi station servo head library

Multi station servo head library, with a small footprint, can store multiple attachment heads; The rotation is driven by servo, with precise and reliable positioning. (DDE&DJE series)



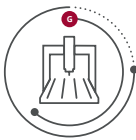
Vertical and Horizontal Tool Magazine

Accurate positioning, effectively shortening the auxiliary processing time

Double Motor Anti Backlash Transmission Mechanism

The moving column series high-precision double motor clearance eliminating transmission mechanism can meet the requirements of high-speed and high-precision linkage cutting.





DDE SERIES

Items	Unit	DD25L40E	DD25L50E	DD25L60E	DD30L40E	DD30L50E
» Machining Range						
X travel	mm	4200	5500	6500	4200	5500
Y travel	mm	3400	3400	3400	4000	4000
Z travel	mm	1000	1000	1000	1000	1000
W travel (50×250multi bit fixed point)	mm	1250	1250	1250	1250	1250
Distance between columns	mm	2600	2600	2600	3200	3200
Spindle nose to table surface	mm	200-2450	200-2450	200-2450	100-2350	100-2350
» Table						
Table size	mm	2000×4000	2000×5000	2000×6000	2500×4000	2500×5000
Table loading	t	18	22	25	20	25
T slot size		22×200×9	22×200×9	22×200×9	28×200×12	28×200×12
» Feed						
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	12/15/10	10/15/10	10/15/10	12/15/10	10/15/10
» Spindle						
Max. spindle speed	rpm	4000	4000	4000	4000	4000
Spindle power	kW	22/26	22/26	22/26	22/26	22/26
Spindle torque	N.m	866/1023	866/1023	866/1023	866/1023	866/1023
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (OP)						
Tool magazine capacity	T	40/60	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	25	25	25	25	25
» Other						
Power capacity	kVA	90	90	90	90	90
Machine weight	t	70	77	84	82	90
Machine size (L×W×H)	mm	12500×8800×7900	15000×8800×7900	17000×8800×7900	12500×9400×7900	15000×9400×7900

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Guide rail protection

6. Cutting cooling

7. Automatic internal chip removal

8. External chain type chip conveyor
9. Pneumatic, hydraulic and lubrication system

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. Cross beam lifting multi-point positioning

14. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D

2. Column heighten 500mm

3. W axis positioning at any point

4. Three-speed gearbox

5. 40/60 V&H tool magazine

6. CTS (2/3/7MPa)

7. NC rotary table

8. Full enclosure
9. Linear scale

10. Auto milling heads

11. Tool setter

12. Workpiece probe

13. Oil skimmer

14. Water gun

15. Air gun

16. AC for electrical cabinet

DDE SERIES

Items	Unit	DD30L60E	DD30L80E	DD35L50E	DD35L60E	DD35L80E
» Machining Range						
X travel	mm	6500	8500	5500	6500	8500
Y travel	mm	4000	4000	4600	4600	4600
Z travel	mm	1000	1000	1000	1000	1000
W travel (50×250multi bit fixed point)	mm	1250	1250	1250	1250	1250
Distance between columns	mm	3200	3200	3800	3800	3800
Spindle nose to table surface	mm	100-2350	100-2350	50-2300	50-2300	50-2300
» Table						
Table size	mm	2500×6000	2500×8000	3000×5000	3000×6000	3000×8000
Table loading	t	28	35	28	35	40
T slot size		28×200×12	28×200×12	28×200×14	28×200×14	28×200×14
» Feed						
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10
» Spindle						
Max. spindle speed	rpm	4000	4000	4000	4000	4000
Spindle power	kW	22/26	22/26	22/26	22/26	22/26
Spindle torque	N.m	866/1023	866/1023	866/1023	866/1023	866/1023
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (OP)						
Tool magazine capacity	T	40/60	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400	400
Max. tool weight	kg	25	25	25	25	25
» Other						
Power capacity	kVA	90	90	90	90	90
Machine weight	t	98	112	97	104	122
Machine size (L×W×H)	mm	17000×9400×7900	23000×9400×7900	15000×10000×7900	17000×10000×7900	23000×10000×7900

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Guide rail protection

6. Cutting cooling

7. Automatic internal chip removal

8. External chain type chip conveyor
9. Pneumatic, hydraulic and lubrication system

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. Cross beam lifting multi-point positioning

14. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D

2. Column heighten 500mm

3. W axis positioning at any point

4. Three-speed gearbox

5. 40/60 V&H tool magazine

6. CTS (2/3/7MPa)

7. NC rotary table

8. Full enclosure
9. Linear scale

10. Auto milling heads

11. Tool setter

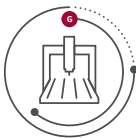
12. Workpiece probe

13. Oil skimmer

14. Water gun

15. Air gun

16. AC for electrical cabinet



DJE SERIES

Items	Unit	DJ35L60E	DJ35L80E	DJ35L100E	DJ35L120E
» Machining Range					
X travel	mm	6500	8500	10500	12500
Y travel	mm	4400	4400	4400	4400
Z travel	mm	1250	1250	1250	1250
W travel	mm	2250	2250	2250	2250
Distance between columns	mm	3500	3500	3500	3500
Spindle nose to table surface	mm	150-3000	150-3000	150-3000	150-3000
» Table					
Table size	mm	3000×6000	3000×8000	3000×10000	3000×12000
Table loading	t	60	80	100	120
T slot size		36×250×11	36×250×32	36×250×40	36×250×48
» Feed					
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/10/10/2	10/10/10/2	10/10/10/2	10/10/10/2
» Spindle					
Max. spindle speed	rpm	2000	2000	2000	2000
Spindle power	kW	37/51	37/51	37/51	37/51
Spindle torque	N.m	1890/2605	1890/2605	1890/2605	1890/2605
Spindle taper		BT50	BT50	BT50	BT50
Ram section	mm	500×500	500×500	500×500	500×500
» Tool Magazine (OP)					
Tool magazine capacity	T	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400
Max. tool weight	kg	25	25	25	25
» Other					
Power capacity	kVA	125	125	125	125
Machine weight	t	160	190	215	240
Machine size (L×W×H)	mm	19000×10000×9300	25000×10000×9300	29500×10000×9300	33500×10000×9300

Standard Configuration

1. Controller: SINUMERIK ONE

2. Gear box drive

3. W. Z-axis hydraulic balance system

4. X. Y-axis hydrostatic guide rail

5. Spindle oil chiller
6. Pneumatic, hydraulic and lubrication system

7. X. Y, W liner scale

8. Simple splash guard

9. Automatic internal chip removal

10. Cutting cooling
11. 3-color signal lamp, working light

12. Standard accessories

13. Maintenance tools

14. CE Mark (EU region)

DP SERIES

Items	Unit	DP20L90	DP25L90	DP30L90	DP35L90
» Machining Range					
X travel	mm	9000	9000	9000	9000
Y travel	mm	3200	3600	4200	4600
Z travel	mm	1250	1250	1250	1250
Distance between columns	mm	3090	3490	4100	4500
Spindle nose to table surface	mm	150-1400	150-1400	150-1400	150-1400
» Table					
Table size	mm	2000x8000	2500×8000	3000×8000	3500x8000
Table loading	t/m²	5	5	5	5
T slot size		28×250 (Y direction)	28×250 (Y direction)	28×250 (Y direction)	28×250 (Y direction)
» Feed					
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	15/15/10	15/15/10	15/15/10	15/12/10
» Spindle					
Max. spindle speed	rpm	4000	4000	4000	4000
Spindle power	kW	22/26	22/26	22/26	22/26
Spindle torque	N.m	866/1023	866/1023	866/1023	866/1023
Spindle taper		BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430
» Tool Magazine (OP)					
Vertical tool magazine capacity	T	24/40	24/40	24/40	24/40
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	380	380	380	380
Max. tool weight	kg	25	25	25	25
V&H tool magazine capacity	T	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ245	Φ125/Φ245	Φ125/Φ245	Φ125/Φ245
Max. tool length	mm	380	380	380	380
Max. tool weight	kg	25	25	25	25
» Other					
Power capacity	kVA	100	100	100	100
Machine weight	t	85	88	92	97
Machine size (L×W×H)	mm	16350×8100×5700	16350×8500×5700	16350×9100×5700	16350×9500×5700

Standard Configuration

1. Controller: FANUC 0i MF PLUS

2. Gear box drive

3. Spindle oil chiller

4. Centralized lubrication and lubricating oil recovery device

5. Pneumatic and hydraulic systems
6. Spindle protection front air seal

7. Z-axis hydraulic balance system

8. Cutting cooling

9. Chain type chip removal device on both sides

10. Gantry follow-up operation room
11. Portable operation handheld unit box

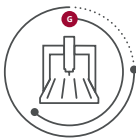
12. X-axis liner scale

13. 3-color signal lamp, working light

14. Gantry axis moving drag chain elevated device

15. Maintenance tools

16. CE Mark (EU region)



DGM SERIES

Items	Unit	DG40L90M	DG40L110M	DG40L130M	DG40L150M
» Machining Range					
X travel	mm	9000	11000	13000	15000
Y travel	mm	4400	4400	4400	4400
Z travel	mm	1250	1250	1250	1250
Distance between columns	mm	4100	4100	4100	4100
Spindle nose to table surface	mm	150-1400	150-1400	150-1400	150-1400
» Table					
Table size	mm	3000×8000	3000×10000	3000×12000	3000×14000
Table loading	t/m	15	15	15	15
T slot size	mm	28×250	28×250	28×250	28×250
» Feed					
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/15/10	10/15/10	10/15/10	10/15/10
» Spindle					
Max. spindle speed	rpm	3500	3500	3500	3500
Spindle power	kW	30/37	30/37	30/37	30/37
Spindle torque	N.m	1860/2300	1860/2300	1860/2300	1860/2300
Spindle taper		BT50	BT50	BT50	BT50
Ram section	mm	450×450	450×450	450×450	450×450
» Tool Magazine (OP)					
Tool magazine capacity	T	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400
Max. tool weight	kg	25	25	25	25
» Other					
Power capacity	kVA	85	85	85	85
Machine weight	t	95	108	120	131
Machine size (L×W×H)	mm	18000×10000×6800	20000×10000×6800	22000×10000×6800	24000×10000×6800

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Z-axis hydraulic balance system

4. Spindle oil chiller

5. Pneumatic, hydraulic and lubrication system
6. X. liner scale

7. Double column follow-up operation room

8. Chain type chip removal device on both sides

9. Cutting cooling

10. 3-color signal lamp, working light
11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)

DGM SERIES

Items	Unit	DG50L90M	DG50L110M	DG50L130M	DG50L150M
» Machining Range					
X travel	mm	9000	11000	13000	15000
Y travel	mm	5400	5400	5400	5400
Z travel	mm	1250	1250	1250	1250
Distance between columns	mm	5100	5100	5100	5100
Spindle nose to table surface	mm	150-1400	150-1400	150-1400	150-1400
» Table					
Table size	mm	4000×8000	4000×10000	4000×12000	4000×14000
Table loading	t/m	20	20	20	20
T slot size	mm	28×250	28×250	28×250	28×250
» Feed					
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/15/10	10/15/10	10/15/10	10/15/10
» Spindle					
Max. spindle speed	rpm	3500	3500	3500	3500
Spindle power	kW	30/37	30/37	30/37	30/37
Spindle torque	N.m	1860/2300	1860/2300	1860/2300	1860/2300
Spindle taper		BT50	BT50	BT50	BT50
Ram section	mm	450×450	450×450	450×450	450×450
» Tool Magazine (OP)					
Tool magazine capacity	T	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	400	400	400	400
Max. tool weight	kg	25	25	25	25
» Other					
Power capacity	kVA	85	85	85	85
Machine weight	t	105	118	130	142
Machine size (L×W×H)	mm	18000×11000×6800	20000×11000×6800	22000×11000×6800	24000×11000×6800

Standard Configuration

1. Controller: FANUC 0i

2. Gear box drive

3. Z-axis hydraulic balance system

4. Spindle oil chiller

5. Pneumatic, hydraulic and lubrication system
6. X. liner scale

7. Double column follow-up operation room

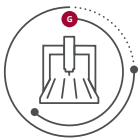
8. Chain type chip removal device on both sides

9. Cutting cooling

10. 3-color signal lamp, working light
11. Standard accessories

12. Maintenance tools

13. CE Mark (EU region)



DHM SERIES

Items	Unit	DH40L90M	DH40L110M	DH40L130M	DH40L150M
» Machining Range					
X travel	mm	9000	11000	13000	15000
Y travel	mm	4500	4500	4500	4500
Z travel	mm	1500	1500	1500	1500
Distance between columns	mm	4100	4100	4100	4100
Spindle nose to table surface	mm	150-1650	150-1650	150-1650	150-1650
» Table					
Table size	mm	3000×8000	3000×10000	3000×12000	3000×14000
Table loading	t/m	15	15	15	15
T slot size	mm	28×250	28×250	28×250	28×250
» Feed					
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	10/10/10
» Spindle					
Max. spindle speed	rpm	2000	2000	2000	2000
Spindle power	kW	37/51	37/51	37/51	37/51
Spindle torque	N.m	1890/2605	1890/2605	1890/2605	1890/2605
Spindle taper		BT50	BT50	BT50	BT50
Ram section	mm	500×500	500×500	500×500	500×500
» Tool Magazine (OP)					
Tool magazine capacity	T	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400
Max. tool weight	kg	25	25	25	25
» Other					
Power capacity	kVA	150	150	150	150
Machine weight	t	112	124	136	148
Machine size (L×W×H)	mm	18000×10000×7700	20000×10000×7700	22000×10000×7700	24000×10000×7700

Standard Configuration

1. Controller: SINUMERIK ONE

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Pneumatic, hydraulic and lubrication system
6. Cutting cooling

7. Automatic internal chip removal

8. X. Y-axis liner scale

9. Simple splash guard

10. 3-color signal lamp, working light
11. Standard accessories

12. Maintenance tools

13. Y-axis hydrostatic guide rail

14. CE Mark (EU region)

DHM SERIES

Items	Unit	DH50L90M	DH50L110M	DH50L130M	DH50L150M
» Machining Range					
X travel	mm	9000	11000	13000	15000
Y travel	mm	5500	5500	5500	5500
Z travel	mm	1500	1500	1500	1500
Distance between columns	mm	5100	5100	5100	5100
Spindle nose to table surface	mm	150-1650	150-1650	150-1650	150-1650
» Table					
Table size	mm	4000×8000	4000×10000	4000×12000	4000×14000
Table loading	t/m	20	20	20	20
T slot size		28×250	28×250	28×250	28×250
» Feed					
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	10/10/10
» Spindle					
Max. spindle speed	rpm	2000	2000	2000	2000
Spindle power	kW	37/51	37/51	37/51	37/51
Spindle torque	N.m	1890/2605	1890/2605	1890/2605	1890/2605
Spindle taper		BT50	BT50	BT50	BT50
Ram section	mm	500×500	500×500	500×500	500×500
» Tool Magazine (OP)					
Tool magazine capacity	T	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400
Max. tool weight	kg	25	25	25	25
» Other					
Power capacity	kVA	150	150	150	150
Machine weight	t	124	136	148	160
Machine size (L×W×H)	mm	18000×11000×7700	20000×11000×7700	22000×11000×7700	24000×11000×7700

Standard Configuration

1. Controller: SINUMERIK ONE

2. Gear box drive

3. Spindle oil chiller

4. Z axis hydraulic balance system

5. Pneumatic, hydraulic and lubrication system
6. Cutting cooling

7. Automatic internal chip removal

8. X. Y-axis liner scale

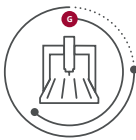
9. Simple splash guard

10. 3-color signal lamp, working light
11. Standard accessories

12. Maintenance tools

13. Y-axis hydrostatic guide rail

14. CE Mark (EU region)



DHME SERIES

Items	Unit	DH40L90ME	DH40L110ME	DH40L130ME	DH40L150ME
» Machining Range					
X travel	mm	9000	11000	13000	15000
Y travel	mm	5000	5000	5000	5000
Z travel	mm	1250	1250	1250	1250
W travel	mm	2250	2250	2250	2250
Distance between columns	mm	4100	4100	4100	4100
Spindle nose to table surface	mm	100-3400	100-3400	100-3400	100-3400
» Table					
Table size	mm	3000×8000	3000×10000	3000×12000	3000×14000
Table loading	t/m	15	15	15	15
T slot size		28×250	28×250	28×250	28×250
» Feed					
Cutting feedrate(X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse(X/Y/Z)	m/min	10/10/10/2	10/10/10/2	10/10/10/2	10/10/10/2
» Spindle					
Max. spindle speed	rpm	2000	2000	2000	2000
Spindle power	kW	37/51	37/51	37/51	37/51
Spindle torque	N.m	1890/2605	1890/2605	1890/2605	1890/2605
Spindle taper		BT50	BT50	BT50	BT50
Ram section	mm	500×500	500×500	500×500	500×500
» Tool Magazine (OP)					
Tool magazine capacity	T	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400
Max. tool weight	kg	25	25	25	25
» Other					
Power capacity	kVA	175	175	175	175
Machine weight	t	161	173	185	197
Machine size (L×W×H)	mm	18500×10000×8800	20500×10000×8800	22500×10000×8800	24500×10000×8800

Standard Configuration

1. Controller: SINUMERIK ONE

2. Gear box drive

3. Spindle oil chiller

4. W.Z axis hydraulic balance system
5. Pneumatic, hydraulic and lubrication system

6. Cutting cooling

7. Automatic internal chip removal

8. X. Y. W-axis liner scale
9. Simple splash guard

10. 3-color signal lamp, working light

11. Standard accessories

12. Maintenance tools

13. Y-axis hydrostatic guide rail

14. CE Mark (EU region)

DHME SERIES

Items	Unit	DH50L90ME	DH50L110ME	DH50L130ME	DH50L150ME
» Machining Range					
X travel	mm	9000	11000	13000	15000
Y travel	mm	6000	6000	6000	6000
Z travel	mm	1250	1250	1250	1250
W travel	mm	2250	2250	2250	2250
Distance between columns	mm	5100	5100	5100	5100
Spindle nose to table surface	mm	100-3400	100-3400	100-3400	100-3400
» Table					
Table size	mm	4000×8000	4000×10000	4000×12000	4000×14000
Table loading	t/m	20	20	20	20
T slot size		28×250	28×250	28×250	28×250
» Feed					
Cutting feedrate (X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6
Rapid traverse (X/Y/Z)	m/min	10/10/10/2	10/10/10/2	10/10/10/2	10/10/10/2
» Spindle					
Max. spindle speed	rpm	2000	2000	2000	2000
Spindle power	kW	37/51	37/51	37/51	37/51
Spindle torque	N.m	1890/2605	1890/2605	1890/2605	1890/2605
Spindle taper		BT50	BT50	BT50	BT50
Ram section	mm	500×500	500×500	500×500	500×500
» Tool Magazine (OP)					
Tool magazine capacity	T	40/60	40/60	40/60	40/60
Max. tool dia. (Adjacent/Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400
Max. tool weight	kg	25	25	25	25
» Other					
Power capacity	kVA	175	175	175	175
Machine weight	t	176	188	200	212
Machine size (L×W×H)	mm	18500×11000×8800	20500×11000×8800	22500×11000×8800	24500×11000×8800

Standard Configuration

1. Controller: SINUMERIK ONE

2. Gear box drive

3. Spindle oil chiller

4. W.Z axis hydraulic balance system
5. Pneumatic, hydraulic and lubrication system

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8. X. Y. W-axis liner scale
9. Simple splash guard

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11. Standard accessories

12. Maintenance tools

13. Y-axis hydrostatic guide rail

14. CE Mark (EU region)