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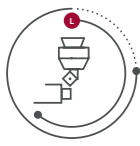
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L SERIES TURNING CENTER

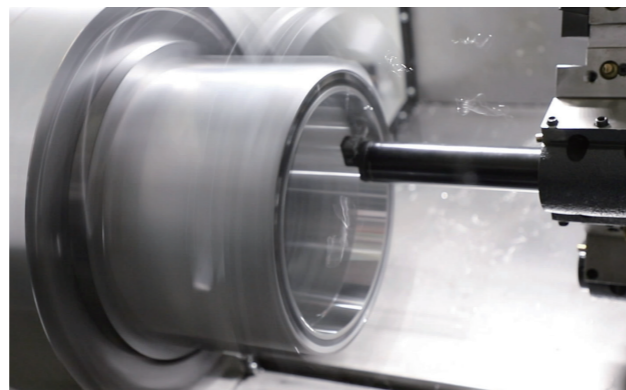
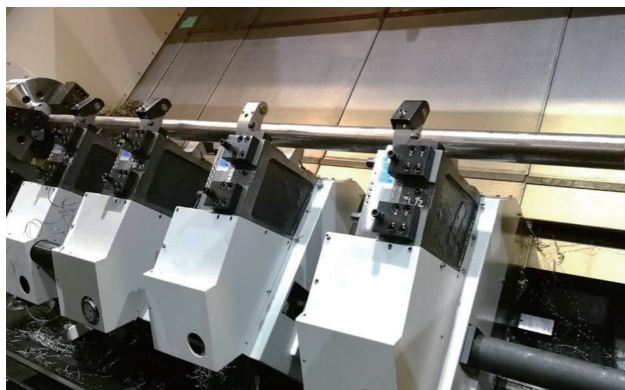
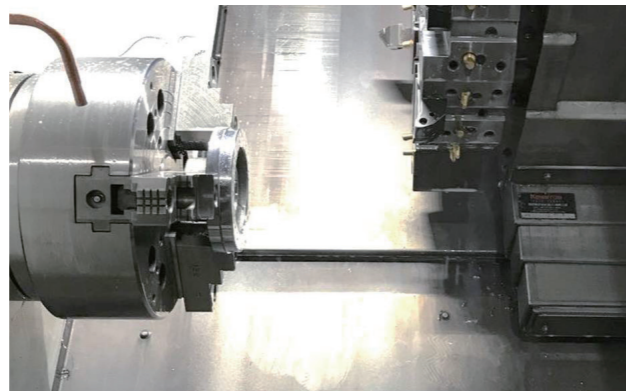
LB / LG / L / LHY / LV

HISON



PRODUCT INTRODUCTION

Haitian CNC turning center are dedicated to delivering high rigidity, high-speed performance, ultra-precision, and exceptional stability. With a comprehensive product portfolio tailored to diverse user requirements, they are widely utilized in automotive components, general machinery parts, and related industries.



CNC TURNING CENTER

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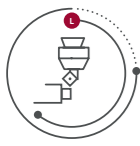


- LH8Y _____ [Page 12]



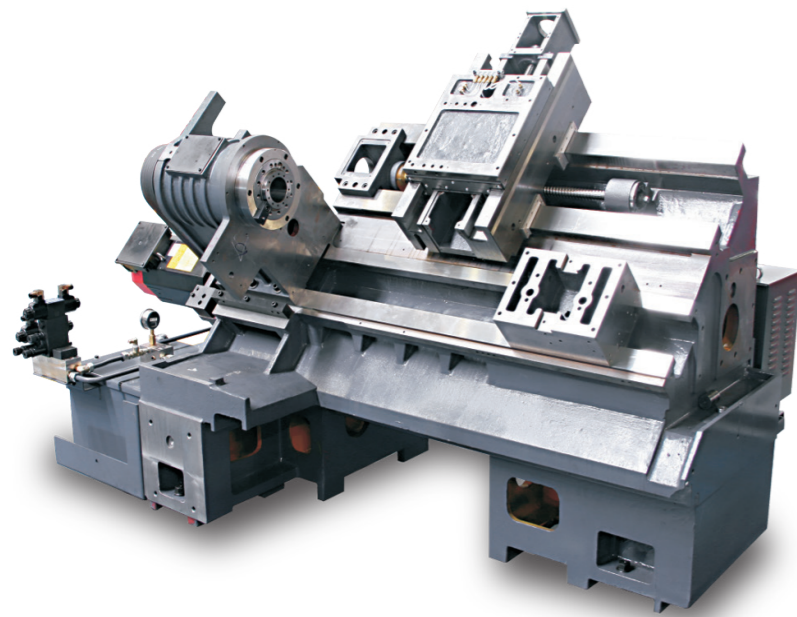
- LV100 _____ [Page 17]
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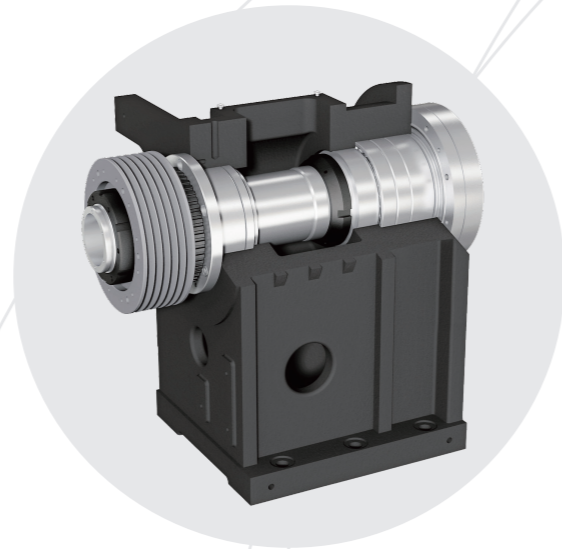
LB SERIES

LB series CNC turning center adopt 45° integral casting bed structure and hardened grinding guide rail form. All castings are optimized by finite element analysis to ensure high precision and high stability of the machine tool. Perfect automatic interface, modular automatic protection design, for the rapid implementation of automation to provide a guarantee.



45° Integral Inclined Bed

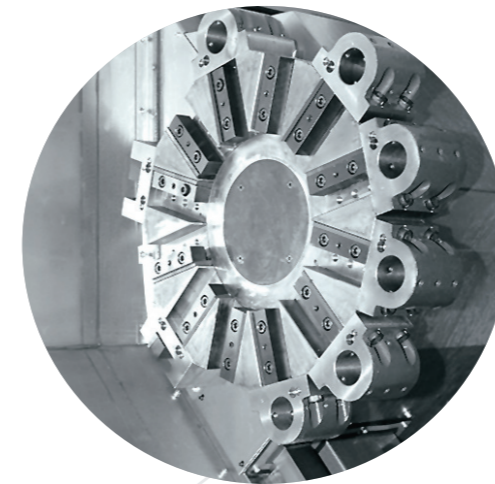
The integral 45° inclined bed realizes the high rigidity, high stability and easy chip removal of the machine. The guide rail has been hardened and finely ground, and wear-resistant soft belt is pasted on the sliding surface.



High Rigidity Spindle

The whole series adopts imported bearings, two points support, front end adopts double row cylindrical roller bearings and high-speed thrust angular contact bearings, rear end adopts double row cylindrical roller bearings, strong rigidity, suitable for heavy cutting and precision cutting.

LB SERIES



Customized Cutter Head (Optional Power Turret)

LB series standard with 12 station hydraulic turret, suitable for heavy cutting. Customize the cutter head, so that the rigidity of the cutter block is strengthened and the tool interference area is small.

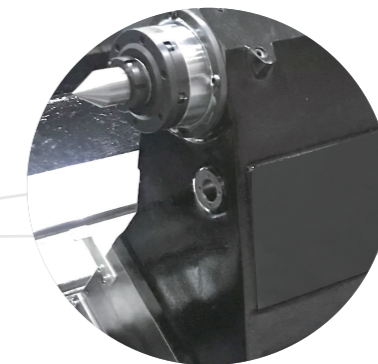
Hydraulic Tailstock

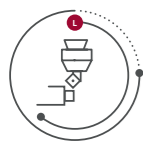
Split tailstock structure, convenient and reliable adjustment; The whole movement of the tailstock is driven by the saddle; The telescopic sleeve is driven by hydraulic pressure and can be controlled programmatically.



Automatic Protection Module

Automatic door, automatic skylight modular design, convenient installation.





LB SERIES

| Items | Unit | LB8 | LB8-L | LB10 | LB10-L | LB10-XL |
|---|-------|----------------|----------------|----------------|----------------|----------------|
| » Machining Range | | | | | | |
| Max. swing over bed | mm | Φ560 | Φ560 | Φ650 | Φ650 | Φ650 |
| Max. swing over saddle | mm | Φ320 | Φ320 | Φ420 | Φ420 | Φ420 |
| Max. turning dia. | mm | Φ400 | Φ400 | Φ500 | Φ500 | Φ500 |
| Max. turning length | mm | 548 | 1000 | 500 | 1000 | 1490 |
| Spindle center to ground | mm | 980 | 980 | 1030 | 1030 | 1030 |
| » Spindle | | | | | | |
| Drive type | - | Belt | Belt | Belt | Belt | Belt |
| Max. spindle speed | rpm | 4500 | 4500 | 3500 | 3500 | 3500 |
| Spindle motor power (S1/S6) | kW | 11/15 | 11/15 | 15/18.5 | 15/18.5 | 15/18.5 |
| Spindle torque (S1/S6) | Nm | 140/250 | 140/250 | 245/400 | 245/400 | 245/400 |
| Spindle nose | - | A2-6 | A2-6 | A2-8 | A2-8 | A2-8 |
| Spindle through-hole diameter | mm | Φ62 | Φ62 | Φ76 | Φ76 | Φ76 |
| Spindle bearing diameter (Front) | mm | Φ100 | Φ100 | Φ120 | Φ120 | Φ120 |
| Chuck size | inch | 8 | 8 | 10 | 10 | 10 |
| Bar capacity dia. | mm | Φ51 | Φ51 | Φ66 | Φ66 | Φ66 |
| » Turret | | | | | | |
| Type | - | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic |
| Turret capacity | - | 12 | 12 | 12 | 12 | 12 |
| OD tool size | mm | 25×25 | 25×25 | 25×25 | 25×25 | 25×25 |
| Max. boring bar size | mm | Φ40 | Φ40 | Φ40 | Φ40 | Φ40 |
| Tool changing time (including clamp) | s | 0.55 | 0.55 | 0.58 | 0.58 | 0.58 |
| » Tailstock | | | | | | |
| Tailstock type | - | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic |
| Tailstock travel | mm | 410 | 730 | 410 | 730 | 1100 |
| Quill dia. | mm | Φ100 | Φ100 | Φ100 | Φ100 | Φ100 |
| Quill travel | mm | 120 | 120 | 120 | 120 | 120 |
| Quill bore taper | - | MT NO.4 | MT NO.4 | MT NO.5 | MT NO.5 | MT NO.5 |
| » Feed | | | | | | |
| X/Z axis travel | mm | 210/610 | 210/1050 | 260/580 | 260/1050 | 260/1550 |
| Rapid feed X/Z | m/min | 24/30 | 24/30 | 16/20 | 16/20 | 16/20 |
| Servo motor power X/Z | kW | 1.8/1.8 | 1.8/1.8 | 2.5/2.5 | 2.5/2.5 | 2.5/2.5 |
| Servo motor torque X/Z | Nm | 11/11 | 11/11 | 20/20 | 20/20 | 20/20 |
| » Others | | | | | | |
| Power capacity | kVA | 25 | 25 | 30 | 30 | 30 |
| Coolant tank | L | 200 | 250 | 200 | 250 | 300 |
| Machine weight | t | 4.5 | 5 | 4.9 | 5.4 | 6.3 |
| Machine size (LxWxH) (without conveyor) | mm | 4200×2050×1900 | 4600×2050×1900 | 4200×2050×2020 | 4600×2050×2020 | 5350×2050×2020 |

Standard Configuration

1. Controller: FANUC 0i
2. Hydraulic and lubrication system
3. Cutting cooling
4. Full enclosure
5. 12T hydraulic turret station
6. Solid hydraulic chuck
7. Tool holder
8. Hydraulic tailstock with live center
9. External chain type chip conveyor (side)
10. Standard accessories
11. Flexible packaging
12. Ground installation
13. Common maintenance tools
14. Soft jaw
15. 3-color signal lamp, working light
16. Chuck foot switch
17. Trolley
18. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D
2. MC function (LB10)
3. Increase spindle bore
4. 2MPa coolant through spindle
5. 2/7MPa coolant through tool
6. Hollow chuck with hollow cylinder
7. External scrap type chip conveyor and trolley
8. Auto tool setter
9. Hydraulic tailstock
10. AC for electrical cabinet
11. Water gun
12. Air gun

LB SERIES

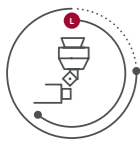
| Items | Unit | LB12 | LB12-L | LB12-XL | LB15 | LB15-L |
|---|-------|----------------|----------------|----------------|--|--|
| » Machining Range | | | | | | |
| Max. swing over bed | mm | Φ700 | Φ700 | Φ700 | Φ800 | Φ800 |
| Max. swing over saddle | mm | Φ600 | Φ600 | Φ600 | Φ650 | Φ650 |
| Max. turning dia. | mm | Φ630 | Φ630 | Φ630 | Φ800 | Φ800 |
| Max. turning length | mm | 1000 | 1500 | 2000 | 1500 | 2750 |
| Height of spindle center from ground | mm | 1150 | 1150 | 1150 | 1200 | 1200 |
| » Spindle | | | | | | |
| Drive type | - | Belt | Belt | Belt | Belt | Belt |
| Max. spindle speed | rpm | 2500 | 2500 | 2500 | 2000 | 2000 |
| Spindle motor power (S1/S6) | kW | 15/18.5 | 15/18.5 | 15/18.5 | 30/37 | 30/37 |
| Spindle torque (S1/S6) | Nm | 485/600 | 485/600 | 485/600 | (L)2910/3574 (M)1134/1392 (H)453/557 | (L)2910/3574 (M)1134/1392 (H)453/557 |
| Spindle nose | - | A2-11 | A2-11 | A2-11 | A2-11 | A2-11 |
| Spindle bore | mm | Φ102 | Φ102 | Φ102 | Φ105 | Φ105 |
| Spindle bearing diameter (Front) | mm | Φ150 | Φ150 | Φ150 | Φ170 | Φ170 |
| Chuck size | inch | 12 | 12 | 12 | 15 | 15 |
| Bar capacity dia. | mm | Φ89 | Φ89 | Φ89 | Φ89 | Φ89 |
| » Turret | | | | | | |
| Type | - | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic |
| Turret capacity | - | 12 | 12 | 12 | 12 | 12 |
| OD tool size | mm | 32×32 | 32×32 | 32×32 | 32×32 | 32×32 |
| Max. boring bar size | mm | Φ50 | Φ50 | Φ50 | Φ60 | Φ60 |
| Tool changing time (including clamp) | s | 0.65 | 0.65 | 0.65 | 0.85 | 0.85 |
| » Tailstock | | | | | | |
| Tailstock type | - | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic |
| Tailstock travel | mm | 700 | 1200 | 1700 | 1100 | 2400 |
| Quill dia. | mm | Φ130 | Φ130 | Φ130 | Φ160 | Φ160 |
| Quill travel | mm | 120 | 120 | 120 | 150 | 150 |
| Quill bore taper | - | MT NO.5 | MT NO.5 | MT NO.5 | MT NO.5 | MT NO.5 |
| » Feed | | | | | | |
| X/Z axis travel | mm | 345/1060 | 345/1560 | 345/2060 | 410/1570 | 410/2820 |
| Rapid feed X/Z | m/min | 16/20 | 16/20 | 16/16 | 12/12 | 12/12 |
| Servo motor power X/Z | kW | 3.0/3.0 | 3.0/3.0 | 3.0/3.0 | 4/7 | 4/7 |
| Servo motor torque X/Z | Nm | 20/20 | 20/20 | 20/20 | 22/30 | 22/30 |
| » Others | | | | | | |
| Power capacity | kVA | 35 | 35 | 35 | 60 | 60 |
| Coolant tank | L | 250 | 290 | 330 | 270 | 350 |
| Machine weight | t | 9 | 10 | 11 | 12.5 | 14.5 |
| Machine size (LxWxH) (without conveyor) | mm | 5400×2200×2200 | 5800×2200×2200 | 6400×2350×2400 | 6450×2600×2400 | 7600×2850×2600 |

Standard Configuration

1. Controller: FANUC 0i
2. Hydraulic and lubrication system
3. Cutting cooling
4. Full enclosure
5. 12T hydraulic turret station
6. Solid hydraulic chuck
7. Tool holder
8. Hydraulic tailstock
9. External chain type chip conveyor(side)
10. Standard accessories
11. Flexible packaging
12. Ground installation
13. Common maintenance tools
14. Soft jaw
15. 3-color signal lamp, working light
16. Foot switch with chuck tailstock
17. Trolley
18. CE Mark (EU region)

Option Configuration

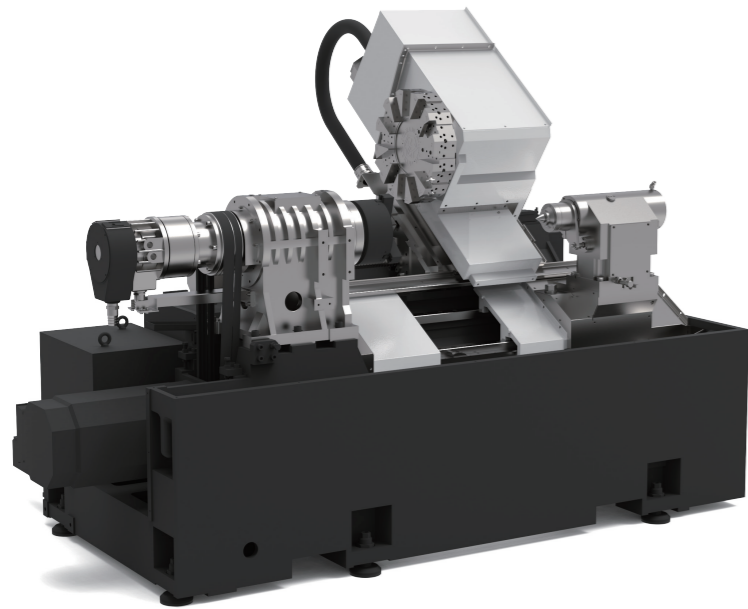
1. Controller: FANUC α3 (LB12)
2. MC function (LB12)
3. Increase spindle bore (LB12)
4. 2MPa coolant through spindle (LB12)
5. 2MPa coolant through tool
6. Hollow chuck with hollow cylinder
7. External scrap type chip conveyor and trolley
8. Auto tool setter
9. AC for electrical cabinet
10. Water gun
11. Air gun



L SERIES

L Series adopts an integral casting bed structure,optimize parameters and internal structure,has a smaller footprint,Configure high-precision and high rigidity roller guides,mechanical spindle and servo turret,ensure high precision, efficiency, and stability of machine tools.

L SERIES

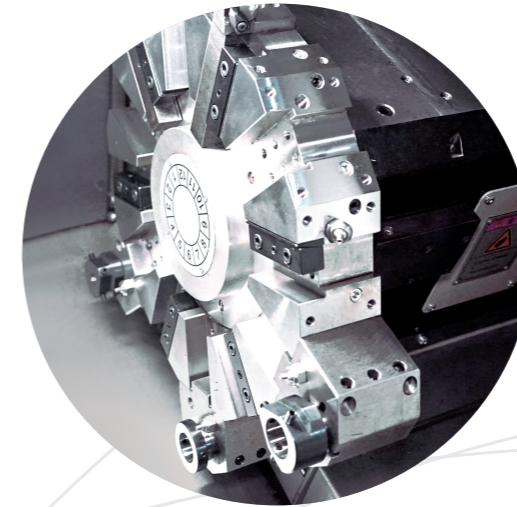


Integrated inclined bed body

- intergrated bed body reduce center height ,improve machine rigidity;
- The main motor has been changed from outside the bed to inside the bed,effectively reducing footprint.

High rigidity spindle

Large through-hole spindle, the entire series adopts imported bearings, two point support, strong rigidity, suitable for heavy cutting and precision cutting.



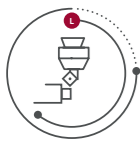
Servo turret

- The entire series of machine are equipped with servo turrets, turret rotation fast, reliable transmission link.
- The application of servo turret, realized synchronous tool change during the machine tool zeroing process, Improved production efficiency.

Hydraulic tailstock

Stepped tailstock structure (embedded with steel), The overall movement of the tailstock is driven by the sliding saddle, The telescopic sleeve is hydraulically driven and programmable.





L SERIES

| Items | Unit | LG6 (Gang type) | L6C | L6 |
|---|----------|-----------------|----------------|----------------|
| » Machining Range | | | | |
| Swing over bed dia. | mm | φ500 | φ440 | φ550 |
| Swing over saddle | mm | - | φ220 | φ340 |
| Max. turning dia. | mm | φ430 | φ220 | φ300 |
| Max. turning length | mm | 300 | 200 | 300 |
| Height of spindle center from ground | mm | 1075 | 1025 | 1030 |
| » Turret | | | | |
| Turret type | - | - | Servo V8 | Servo V12 |
| OD tool size | mm | - | 20×20 | 25×25 |
| Max. boring bar dia. | mm | - | φ25 | φ32 |
| Indexing time | sec/step | - | 0.2 | 0.2 |
| » Spindle | | | | |
| Drive type | | Belt drive | Belt drive | Belt drive |
| Max. spindle speed | rpm | 5000 | 6000 | 5000 |
| Spindle motor power (S1/S6) | kW | 5.5/7.5 | 5.5/7.5 | 7.5/11 |
| Spindle torque (S1/S6) | Nm | 40.4/73.4 | 40/74 | 57/112 |
| Spindle nose | - | JISA2-5 | JISA2-5 | JISA2-5 |
| Spindle through hole | mm | φ61 | φ51 | φ61 |
| Spindle bearing diameter(Front) | mm | φ90 | φ80 | φ90 |
| Chuck size | inch | - | 6 | 6 |
| Bar capacity dia. | mm | φ45 | φ41 (Opt.φ31) | φ44 (Opt.φ51) |
| » Tailstock | | | | |
| Quill dia. | mm | - | φ50 (Opt.) | φ70 (Opt.) |
| Quill taper | - | - | MT NO.4 | MT NO.4 |
| Quill travel | mm | - | 95 | 90 |
| Tailstock travel | mm | - | 180 | 275 |
| Tailstock type | - | - | - | - |
| » Feed | | | | |
| Travel X/Z | mm | 450/300 | 125/240 | 180/355 |
| Rapid feed X/Z | m/min | 33/36 | 30/30 | 33/36 |
| Motor power X/Z | kW | 1.5/1.0 | 1.2/1.2 | 1.8/1.8 |
| Motor torque X/Z | Nm | 9/5.9 | 7/7 | 11/11 |
| » Drive | | | | |
| Servo motor power | kW | 1.5/1.0 | 1.2/1.2 | 1.8/1.8 |
| » Others | | | | |
| Power capacity | kVA | 15 | 15 | 20 |
| Coolant tank | L | 100 | 140 | 180 |
| Machine weight | t | - | 2 | 3.7 |
| Machine size(LxWxH) (without conveyor) | mm | 2140×1510×1800 | 1570×1460×1610 | 2120×1740×1750 |

Standard Configuration

1. Controller: FANUC Oi β5 (LG6 with Mitsubishi)
2. Servo turret
3. Solid chuck (L6C with hollow chuck, LG6 with collet)
4. Chuck foot switch
5. Full enclosure
6. Cutting cooling
7. Tool holder
8. Safty door lock
9. Soft jaw (Except LG6)
10. Manual chip box
11. 3-color signal light, working light
12. Standard accessories
13. Common maintenance tool
14. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D
2. MC function(L6)
3. 2MPa coolant through spindle
4. 2/7MPa coolant through tool
5. Hollow chuck with hollow cylinder
6. External chain type chip conveyor and trolley(L6)
7. Auto tool setter
8. Hydraulic tailstock
9. AC for electrical cabinet
10. Water gun
11. Air gun

L SERIES

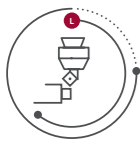
| Items | Unit | L8 | L8-L | L10 |
|--|----------|----------------|----------------|----------------|
| » Machining Range | | | | |
| Swing over bed dia. | mm | φ550 | φ550 | φ620 |
| Swing over saddle | mm | φ340 | φ340 | φ410 |
| Max. turning dia. | mm | φ330 | φ330 | φ420 |
| Max. turning length | mm | 290 | 520 | 560 |
| Height of spindle center from ground | mm | 1030 | 1030 | 1035 |
| » Turret | | | | |
| Turret type | - | Servo V12 | Servo V12 | Servo V12 |
| OD tool size | mm | 25×25 | 25×25 | 25×25 |
| Max. boring bar dia. | mm | φ40 | φ40 | φ40 |
| Indexing time | sec/step | 0.2 | 0.2 | 0.2 |
| » Spindle | | | | |
| Drive type | | Belt drive | Belt drive | Belt drive |
| Max. spindle speed | rpm | 4500 | 4500 | 3500 |
| Spindle motor power (S1/S6) | kW | 11/15 | 11/15 | 15/18.5 |
| Spindle torque (S1/S6) | Nm | 140/255 | 140/255 | 248/409 |
| Spindle nose | - | JISA2-6 | JISA2-6 | JISA2-8 |
| Spindle through hole | mm | φ66 | φ66 | φ81 |
| Spindle bearing diameter (Front) | mm | φ100 | φ100 | φ120 |
| Chuck size | inch | 8 | 8 | 10 |
| Bar capacity dia. | mm | φ51 (Opt.φ65) | φ51 (Opt.φ65) | φ71 |
| » Tailstock | | | | |
| Quill dia. | mm | φ70 (Opt.) | φ100 | φ100 |
| Quill taper | - | MT NO.4 | MT NO.4 | MT NO.5 |
| Quill travel | mm | 90/120 | 120 | 120 |
| Tailstock travel | mm | 275 | 442 | 520 |
| Tailstock type | - | - | Hydraulic | Hydraulic |
| » Feed | | | | |
| Travel X/Z | mm | 204/357 | 204/590 | 225/615 |
| Rapid feed X/Z | m/min | 33/36 | 33/36 | 30/36 |
| Motor power X/Z | kW | 1.8/1.8 | 1.8/1.8 | 3.0/3.0 |
| Motor torque X/Z | Nm | 11/11 | 11/11 | 20/20 |
| » Drive | | | | |
| Servo motor power | kW | 1.8/1.8 | 1.8/1.8 | 3.0/3.0 |
| » Others | | | | |
| Power capacity | kVA | 25 | 25 | 30 |
| Coolant tank | L | 180 | 220 | 210 |
| Machine weight | t | 3.8 | 4.2 | 5.2 |
| Machine size (LxWxH) (without conveyor) | mm | 2180×1740×1750 | 2510×1850×1750 | 3260×1900×1770 |

Standard Configuration

1. Controller: FANUC Oi β5
2. Servo turret
3. Solid chuck
4. Chuck foot switch
5. Full enclosure
6. Cutting cooling
7. Tool holder
8. Safty door lock
9. Soft jaw
10. Manual chip box (Except L10)
11. External chain type chip conveyor (Rear middle) (L10)
12. Hydraulic tailstock (Only L8-L and L10)
13. 3-color signal light, working light
14. Standard accessories
15. Common maintenance tool
16. CE Mark (EU region)

Option Configuration

1. Controller: SIEMENS 828D
2. MC function
3. Increase spindle bore (L8)
4. 2MPa coolant through spindle
5. 2/7MPa coolant through tool
6. Hollow chuck with hollow cylinder
7. External chain type chip conveyor and trolley
8. Auto tool setter
9. Hydraulic tailstock
10. AC for electrical cabinet
11. Water gun
12. Air gun



LH Y SERIES

LH8Y is a CNC turning center equipped with a Y-axis and power turret, designed with the core principles of high efficiency, precision, and reliability. The machine integrates high-accuracy and rigid ball screws, a high-stiffness motorized spindle, and a servo-driven turret. Its design emphasizes environmental protection, energy efficiency, and ergonomic operation, making it widely suited for machining complex components across industries.

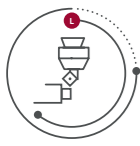


LH8Y

| Items | Unit | LH8Y |
|--|-------|------------------|
| » Machining Range | | |
| Max. swing over bed | mm | φ650 |
| Max. swing over saddle | mm | φ440 |
| Max. turning dia. | mm | φ350 |
| Max. turning length | mm | 530 |
| Spindle center to ground | mm | 1038 |
| X axis travel | mm | 228 |
| Y axis travel | mm | ±55 |
| Z axis travel | mm | 623 |
| » Turret | | |
| Type | - | BMT55 |
| Turret capacity | mm | 25×25 |
| Max. boring bar size | mm | φ40 |
| Tool changing time (including clamp) | s | 0.3 |
| » Spindle | | |
| Drive type | - | Built-in spindle |
| Max. spindle speed | rpm | 4500 |
| Spindle motor power (S1/S6) | kW | 11/15 |
| Spindle nose | - | JISA2-6 |
| Spindle through hole | mm | φ76 |
| Chuck size | inch | 8 |
| Max. rigid tapping dia. of milling spindle | mm | M18×1.5 |
| Max. tool overhang of milling spindle | mm | 60 |
| Motor power of milling spindle | kW | 3.7/5.5 |
| Milling spindle torque (S1/S6) | N.m | 17.7/35 |
| Max. milling spindle speed | rpm | 4000 |
| » Feed | | |
| Rapid feed X/Y/Z | m/min | 24/10/30 |
| Servo motor power X/Y/Z | kW | 1.8/1.8/1.8 |
| » Tailstock | | |
| Quill dia. | mm | φ100 |
| Quill bore taper | - | MT NO.5 |
| Quill travel | mm | 120 |
| Tailstock travel | mm | 570 |
| » Others | | |
| Controller | - | FANUC 0i-TF |
| Power capacity | kVA | 30 |
| Coolant tank | L | 200 |
| Machine size (L×W×H)(without conveyor) | mm | 3160×1930×2140 |

Standard Configuration

1. Controller: FANUC 0i
2. Hydraulic, lubrication and cooling system
3. Servo turret
4. Solid hydraulic chuck
5. Tool holder
6. Hydraulic tailstock
7. Live tip
8. Soft jaw
9. 3-color signal light, working light
10. Transformer
11. Buzzer
12. Safety door lock
13. Footplate
14. Chuck foot switch
15. External chain type chip conveyor and trolley
16. Standard accessories
17. Common maintenance tool
18. CE Mark (EU region)

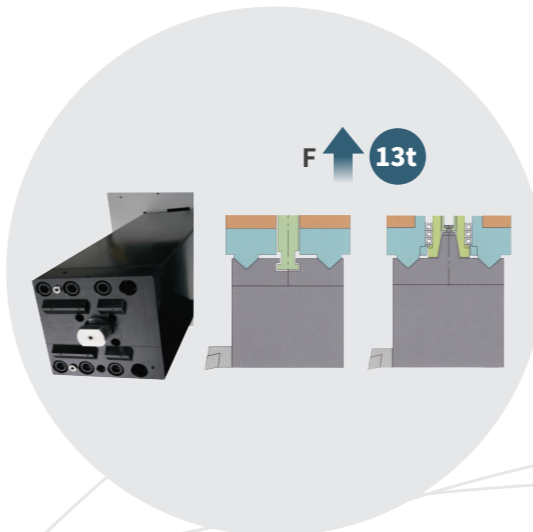


LV SERIES

Technology from the Canadian company Philips-Olympia, first-line products in European and American markets, Chinese Haitian Precision aims to contribute to the improvement of China's machinery manufacturing industry.

Known for its high rigidity, high speed, high precision and high cutting force in the European and American markets, under the premise of meeting the turning function, the C-axis and the second spindle with excellent dynamic characteristics can achieve continuous composite cutting and high-precision indexing processing, supplemented by a variety of functional accessories, including grinding functions, to provide users with excellent solutions for complex shape parts.

LV SERIES

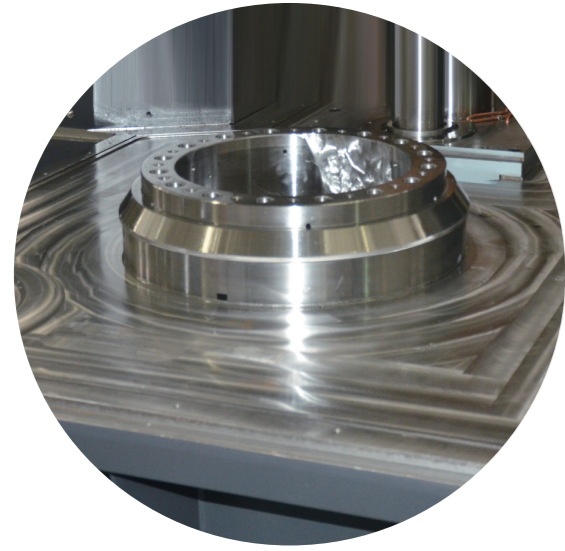
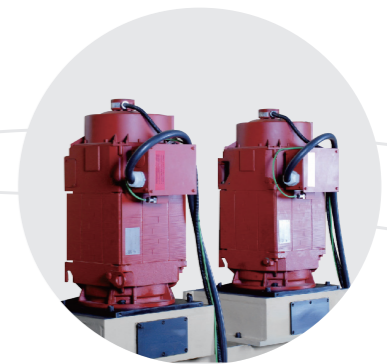


Unique V-shaped cutter block positioning clamping system

- The tool clamping force of 13t connects the tool holder to the ram. The double V-shaped clamping device provides a wide and powerful clamping surface. The short V-shaped positioning contact surface minimizes the possibility of surface chips.

High precision and high performance dual motor (optional)

- The use of dual motor anti-backlash structure, can achieve high precision C-axis indexing, more suitable for high-end market demand.



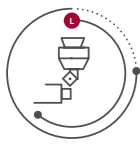
Characteristics of large cross tapered roller combination bearing

- Low center of gravity, small centrifugal force
- Teflon bearing retainer, small inertia, can operate at low torque force
- High rigidity, high precision, vibration resistance, easy lubrication
- Uniform heat conduction, low wear, long life

Tin bronze guide pair

- Unique wide contact tin bronze sliding guide, it is far greater than the contact stiffness of plastered or injection molded guides
- To achieve long-term stable accuracy and better damping effect





LV SERIES

Spindle motor drive system

- The main motor is connected to a two-speed gearbox or a three-speed gear transmission, which drives the pinion to drag the big gear ring to achieve high horsepower and high torque output.

Constant temperature oil cooling system

- The use of fluoride-free environment-friendly constant temperature system avoids the adverse effects of spindle thermal deformation on parts processing.

Automatic chip conveyor

- The new 45° chain-plate automatic chip conveyor is stable, reliable, smooth and clean.

Milling spindle unit (optional)

- The two-speed gear shift provides the low speed and high torque required for heavy cutting, while also providing the ability to finish surfaces at high speeds.

Beam lifting system

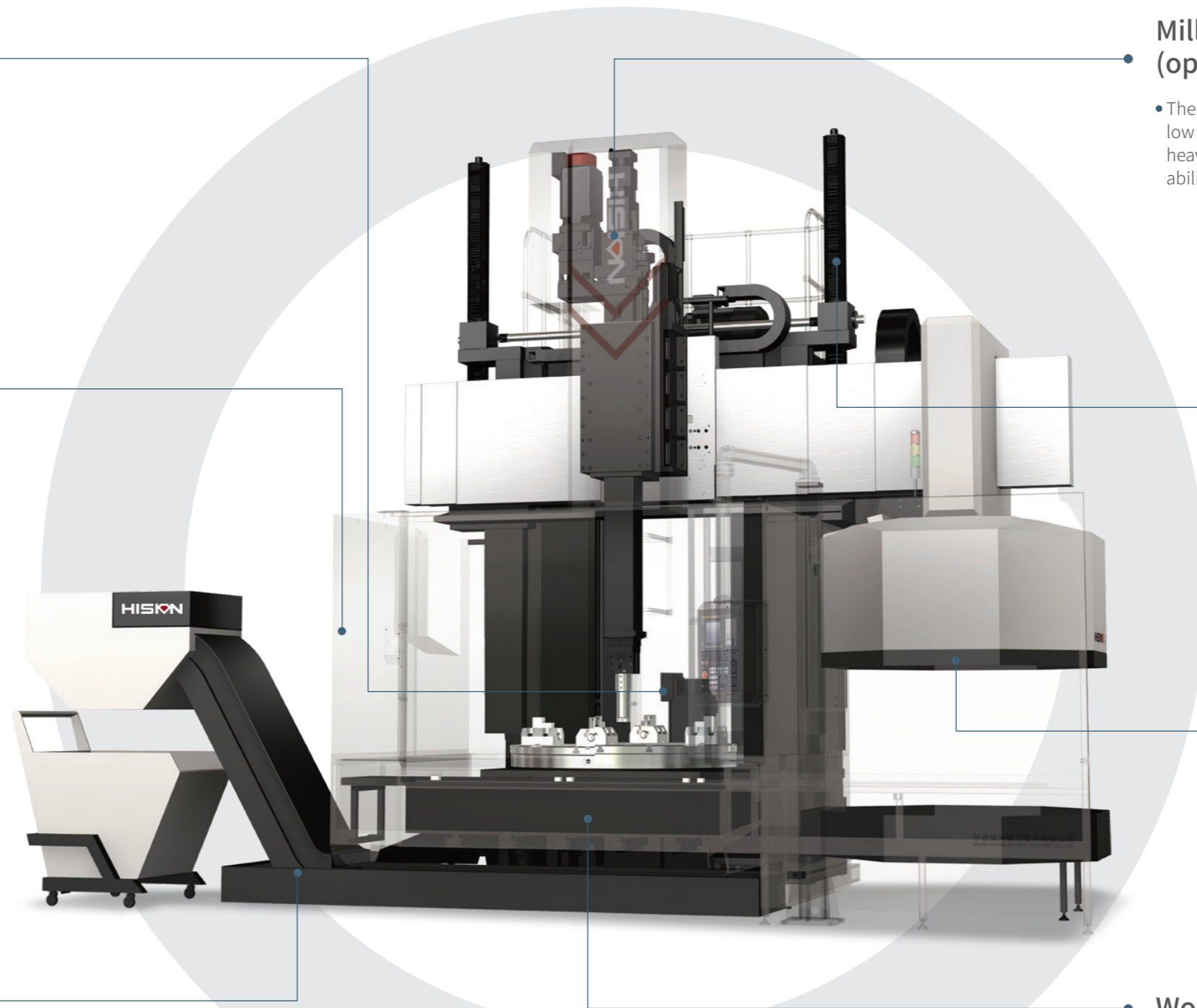
- By controlling the motor to drive the reducer, the worm wheel screw lift can effectively drive the beam to move up and down, and the ladder latch is used to achieve multi-point positioning, and the out-of-tolerance protection mechanism is provided, which is reliable, safe and accurate.

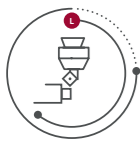
Tool magazine unit

- Optional 12/16/24 turning tool or milling cutter magazine, smooth action, fast tool change, high efficiency.

Workbench components

- High strength and high quality cast iron bed, equipped with large cross tapered roller combination bearing, small occupation space, low center of gravity, small centrifugal force, uniform heat conduction, combined with precision cooling control system, small thermal deformation, high rotation speed.





LV SERIES

| Items | Unit | LV100 | LV125 | LV160 | LV200 | LV300 |
|---------------------------|--------|----------------|----------------|----------------|----------------|----------------|
| » Main Parameter | | | | | | |
| Table dia. | mm | Φ1000 | Φ1250 | Φ1600 | Φ2000 | Φ3000 |
| Max. rotating dia. | mm | Φ1250 | Φ1600 | Φ2000 | Φ2500 | Φ3500 |
| Max. turning dia. | mm | Φ1250 | Φ1600 | Φ2000 | Φ2500 | Φ3500 |
| Max. turning height | mm | 800 | 1200/1800 | 1200/1800 | 1600/2000 | 2000/2500 |
| » Stroke Parameter | | | | | | |
| X travel | mm | -50/+780 | -100/+960 | -100/1150 | -100/+1400 | -100/+1900 |
| Y travel | mm | 800 | 1000 | 1000 | 1500 | 1500 |
| Cross beam travel | mm | Fixed beam | 800/1200 | 800/1200 | 1200/1600 | 1200/1700 |
| » Table | | | | | | |
| Table load | t | 4 | 5 | 8 | 10 | 20 |
| Max. rotation speed | rpm | 600 | 350 | 250 | 200 | 120 |
| Max. torque | N.m | 10380 | 14805 | 19487 | 55642 | 63727 |
| » Feed | | | | | | |
| X-axis rapid feedrate | m/min | 10 | 10 | 10 | 10 | 10 |
| Z-axis rapid feedrate | m/min | 10 | 10 | 10 | 10 | 10 |
| Max. cutting feedrate | mm/min | 1-2000 | 1-2000 | 1-2000 | 1-2000 | 1-2000 |
| » Power Parameters | | | | | | |
| Servo motor power | kW | 37/45 | 37/45 | 37/45 | 60/75 | 60/75 |
| » Tool Magazine | | | | | | |
| Tool magazine capacity | T | 12 | 12 | 12 | 12 | 12 |
| Max. tool length | mm | 400 | 400 | 400 | 400 | 400 |
| Max. tool weight | kg | 50 | 50 | 50 | 50 | 50 |
| » Others | | | | | | |
| Power capacity | kVA | 80 | 90 | 90 | 120 | 120 |
| Machine weight | t | 22 | 35 | 40 | 50 | 65 |
| Machine size (L×W×H) | mm | 5600×4000×5000 | 6000×4500×5500 | 6300×4750×5500 | 7000×5100×7200 | 7550×5700×7200 |

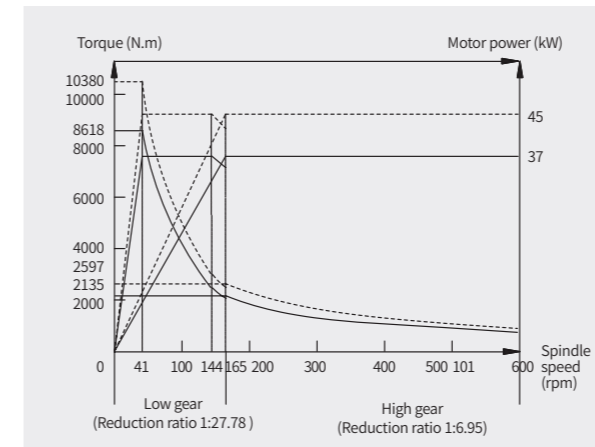
Standard Configuration

1. Controller: FANUC 0i
2. Four-jaw manual chuck
3. Standard length rams
4. Spindle variable speed gearbox
5. Pneumatic, hydraulic, centralized lubrication system
6. Cutting cooling
7. External chain type chip conveyor
8. Electric cabinet heat exchanger
9. Standard turning tool holder(2pcs)
10. Enclosure without top
11. Security door locks
12. 3-color signal lamp, working light
13. Common maintenance tool
14. Hand pulse generator
15. 12T tool magazine
16. CE Mark (EU region)

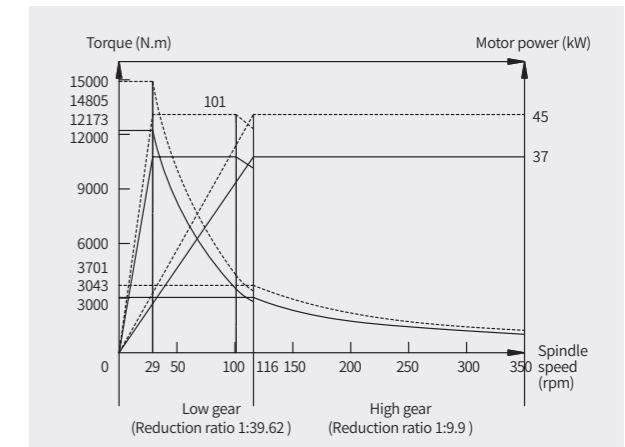
Option Configuration

1. SIEMENS 828D
2. Tool setter
3. X/Z linear scale
4. Automatic hydraulic chuck
5. Workpiece probe
6. Paper bag filter
7. Oil skimmer
8. Coolant through the tools
9. AC for electric cabinet
10. Transformer
11. Customized tools

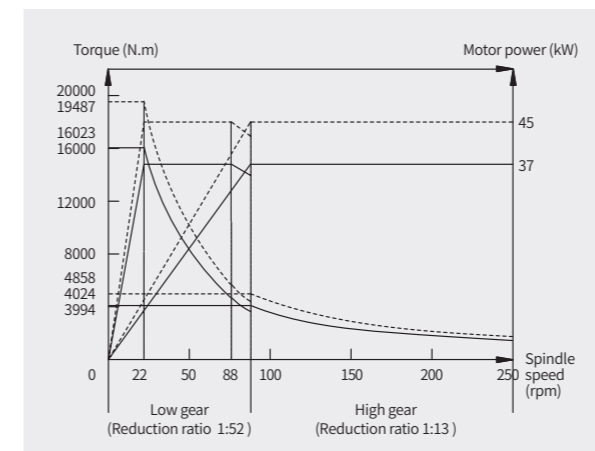
Power Torque Diagram



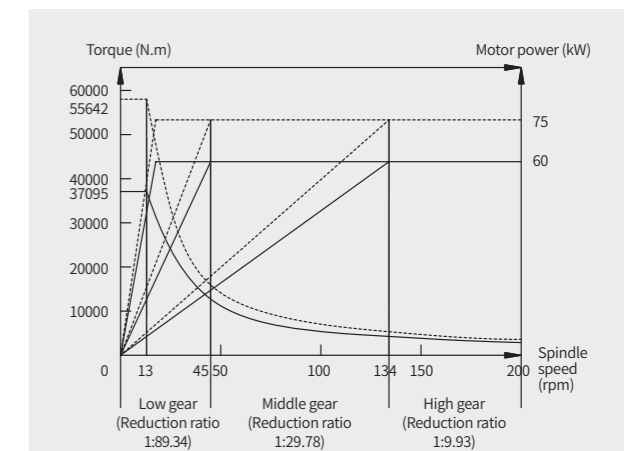
LV100



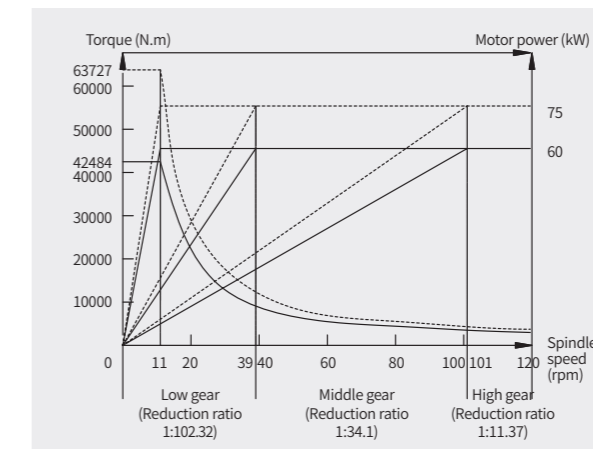
LV125



LV160



LV200



LV300

(Solid line indicates the continuous processing, dashed line indicates the 30-minute processing.)