

Taikan

High-precision CNC horizontal Turning (Milling) Lathe

High-speed High-efficiency High-precision

D-L35/D-L35M/D-L35Y

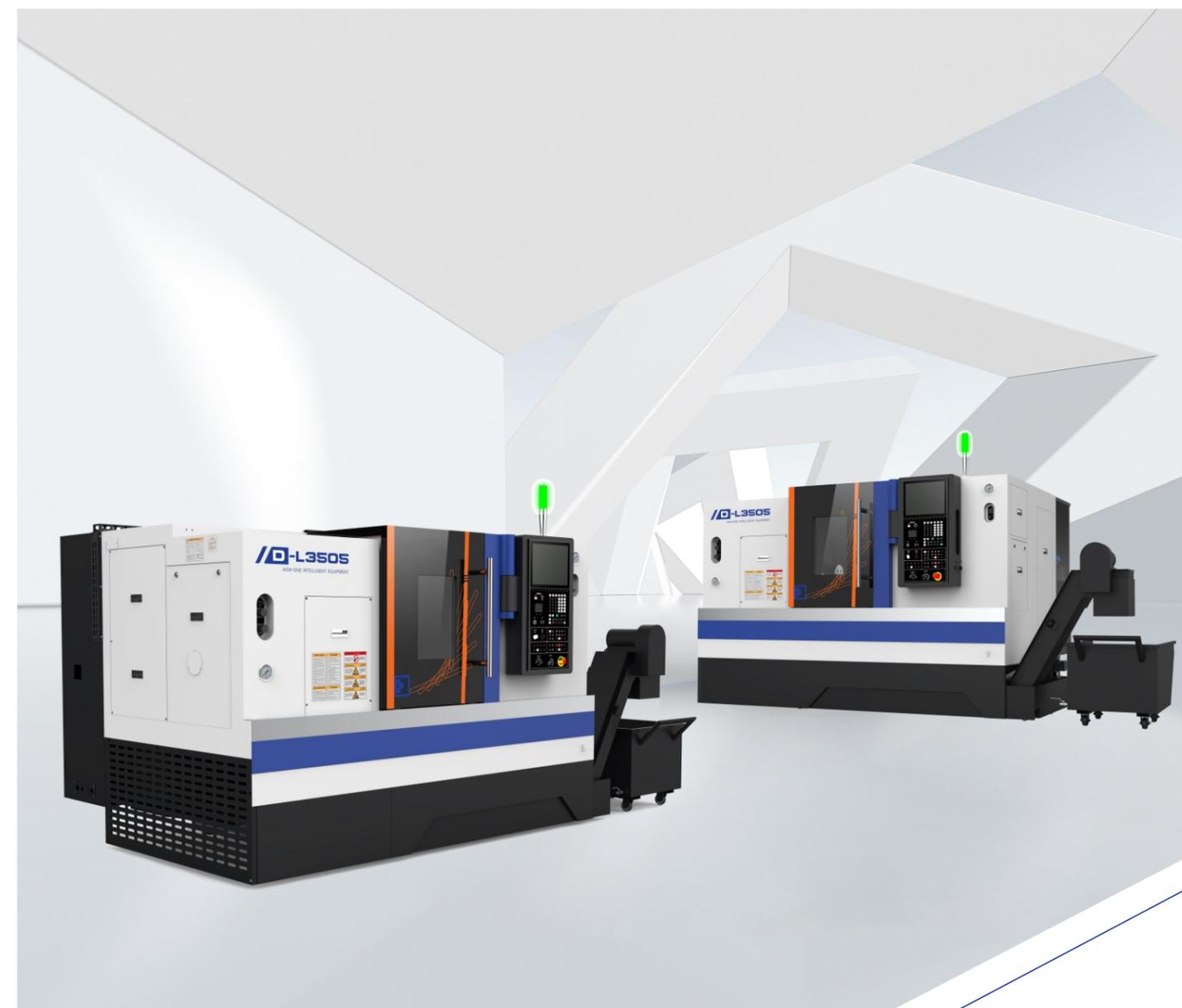
D-L45/D-L45M/D-L45Y

D-L3505/DL3505MSY

D-L4505

Taikan

HIGH-END INTELLIGENT EQUIPMENT TURN-KEY SOLUTION SERVICE PROVIDER



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HIGH-END INTELLIGENT EQUIPMENT TURN-KEY SOLUTION SERVICE PROVIDER

Features & Technology

Structure & Configuration

Options & Highlights

Parameters & sizes

Machine appearance diagram

High-precision CNC horizontal Turning (Milling) Lathe

D-L35/D-L35M/D-L35Y

D-L45/D-L45M/D-L45Y

- ★ The structural design of the 30° inclined bed saddle has high rigidity and good stability.
- ★ The integrated high-rigidity spindle structure has high positioning accuracy, low noise, and the spindle runout is within 0.003mm.
- ★ X and Z-axis screws adopt imported C3-level bidirectional preload hollow screws, which are high-speed and silent, with a rapid movement speed of 30m/min, fast response speed and high positioning accuracy.
- ★ Designed according to ergonomic principles, swing-type operation panel.
- ★ vAutomate multiple options to achieve higher production efficiency.



High-speed
High-efficiency
High-precision



Diversified application fields

It is widely used in the processing of small and medium-sized discs, shafts and other rotary parts. It has strong processing performance and high positioning accuracy. It is especially professional in metal fields such as gears, bearings, small wheel hub units, new energy, petroleum industry, and automobile parts. Processing advantages



Flange



Pulley



Gear



Brake disc set



Wheel hub



Connecting rod shaft

Features & Technology

Structure & Configuration

Options & Highlights

Parameters & sizes

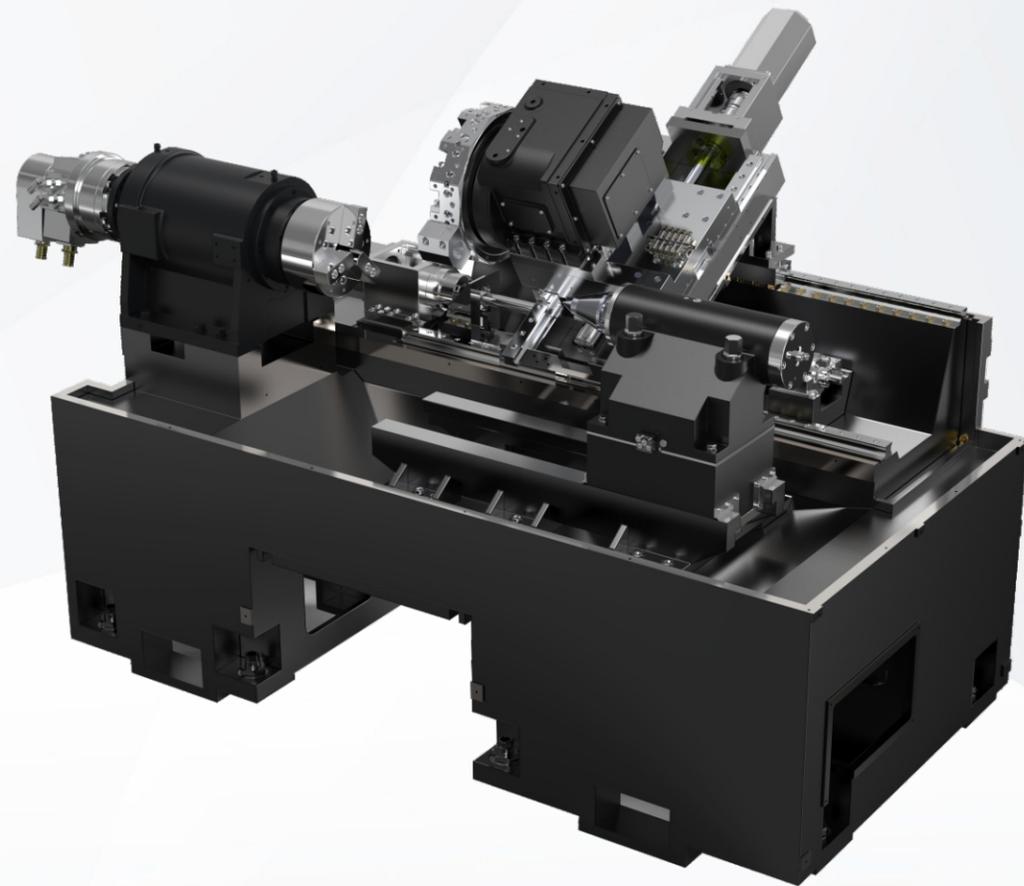
Machine appearance diagram

High-precision CNC horizontal turning (milling) lathe

Equipment structure technical description

30° high and low rail overall bed structural characteristics
Perfect rigidity, high stability and high load-bearing capacity

- ★ The structural characteristics of the overall machine bed with 30° high and low rails. After finite element analysis, the layout of the reinforcing ribs is optimized, so that the machine tool has excellent rigidity, low vibration, and at the same time achieves the smallest floor space.
- ★ All castings undergo long-term natural aging treatment, and undergo secondary vibration aging treatment before finishing to eliminate residual stress inside the castings and ensure long-lasting and stable accuracy.
- ★ The X/Z axis adopts imported P-class heavy-duty 35mm roller guide rail with large span structure design, which can meet high-load operations.



High-precision CNC horizontal turning (milling) lathe

EQUIPMENT STRUCTURE TECHNICAL DESCRIPTION

Configuration for high-end and safe processing

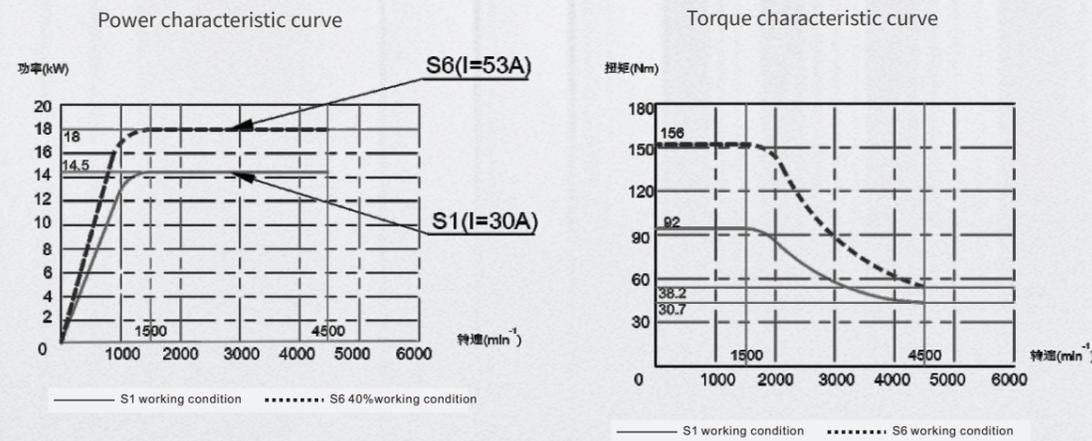


Features of motorized spindle

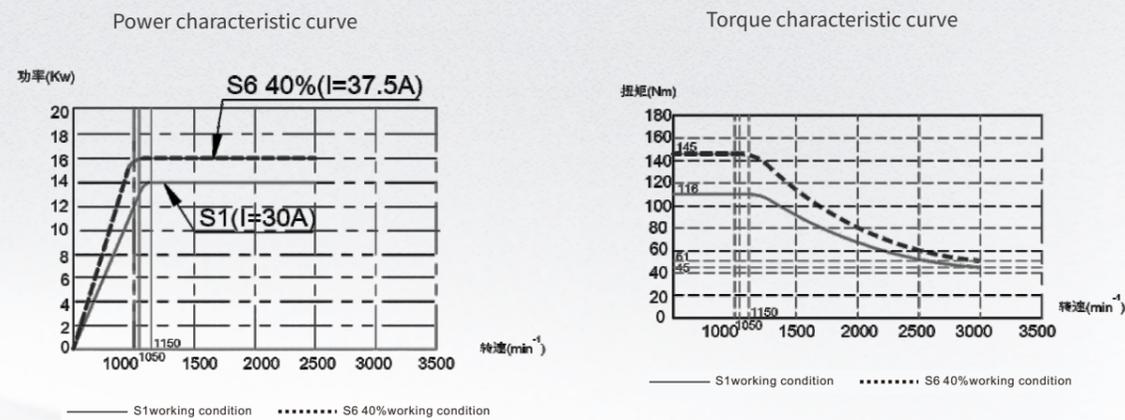
- It adopts P4 grade special bearings for machine tools and is lubricated with special bearing grease to maintain good accuracy and long service life.
- The characteristics of high rigidity and high torque of the motorized spindle greatly improve production and processing efficiency and achieve excellent re-cutting effect of the spindle.
- The spindle is directly driven by a built-in motor, with compact structure, reduced transmission error, high positioning accuracy and good stability.
- The spindle components are water-cooled or oil-cooled to reduce the impact of spindle heating on machining accuracy.

High-precision CNC horizontal turning (milling) lathe
Equipment structure technical description
 Configuring the Genesis system

★ A2-6 motorized spindle power torque diagram

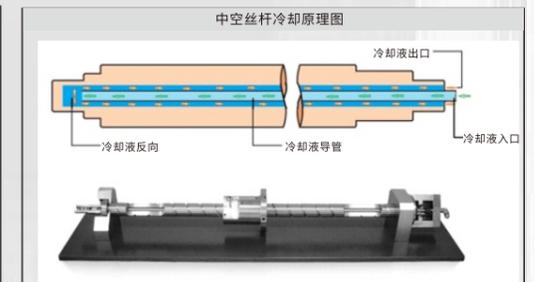
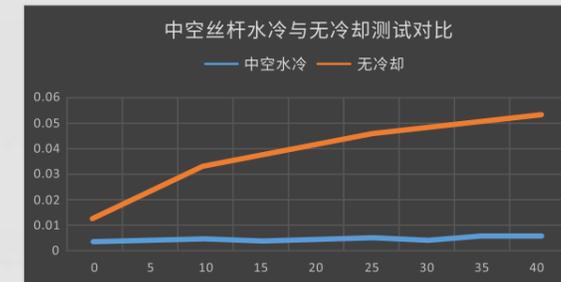


★ A2-8 motorized spindle power torque diagram



High-precision CNC horizontal turning (milling) lathe
Equipment structure technical description
 Hollow cooling screw

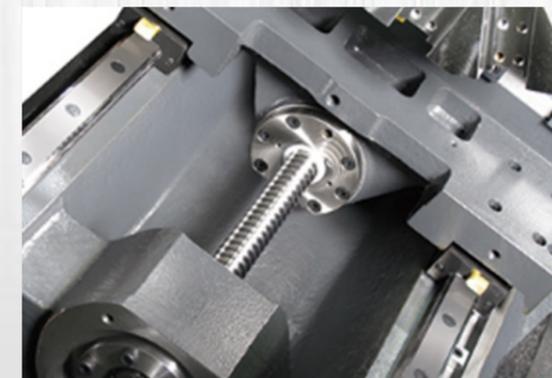
- ★ No cooling and water cooling have obvious effects on the thermal deformation of the screw rod.
- ★ In the case of water coolant, the thermal deformation of the screw is smaller and the accuracy of the screw is more stable.



Note: The above are test data and are not used as machine tool accuracy standards.

Precision screw and guide rail

- ★ The X/Z axis uses an imported 32 high-speed silent ball hollow screw. The screw adopts a pre-stretching process to effectively reduce the impact of screw heating on transmission accuracy.
- ★ Rapid feed can reach 30m/min, positioning accuracy is 0.003mm; X/Z axes all use 35mm roller

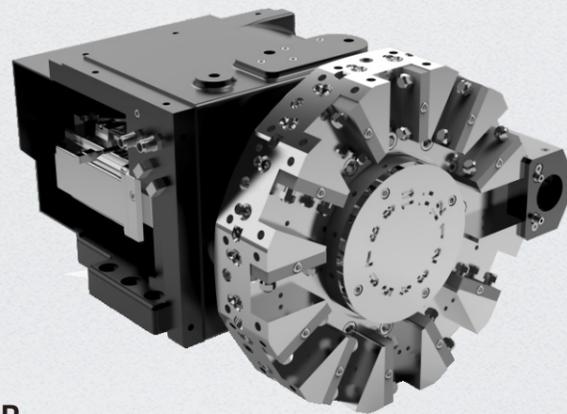


High-precision CNC horizontal turning (milling) lathe

Equipment structure technical description

Servo turret

- ★ The standard tool turret is driven by a servo motor and has an internal reduction mechanism for precise and reliable movement.
- ★ The tool turret can rotate in both directions, and the response speed of tool change is fast and smooth.
- ★ Three-piece end gear plate, no lifting required for tool change, good protection; hydraulic clamping, large clamping force, stable and reliable, suitable for heavy cutting.
- ★ Equipped with special tools to effectively avoid iron filings and significantly increase tool life.



PARAMETER

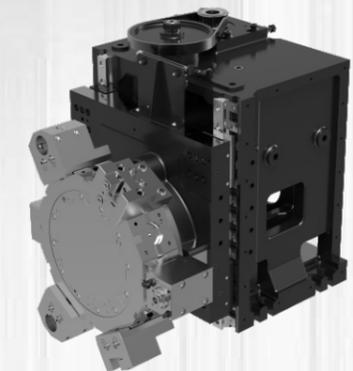
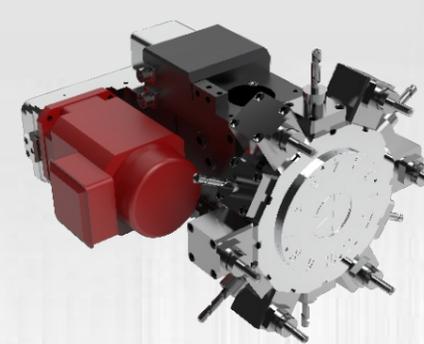
| | |
|---------------------------|---------|
| Tool capacity | 12 |
| Tool indexing time | 0.18s |
| External tool size | 25X25mm |
| Max. boring tool diameter | Φ40mm |
| Positioning accuracy | ±4" |
| Repeatability | ±1.6" |

High-precision CNC horizontal turning (milling) lathe

Equipment structure technical description

Powered turret

- ★ The cutterhead rotation is driven by a servo motor and has an internal deceleration mechanism, making the movement precise and reliable.
- ★ The tool turret can rotate in both directions, and the response speed of tool change is fast and smooth.
- ★ Three-piece end gear plate, no lifting required for tool change, good protection effect
- ★ Hydraulic clamping, large clamping force, stable and reliable, suitable for heavy cutting. The rotation of the power head is driven by a special motor for turning and milling, and the bevel gear inside is driven by an elastic gear.
- ★ Perfectly matched to eliminate noise generated at high speeds
- ★ Adopt carburized grinding cam and dividing mechanism. High precision and low failure rate. The power transmission shaft is made of ground titanium steel with high strength and high transmission efficiency.



PARAMETER

| | |
|-------------------------------|-------------------------|
| Tool capacity | 12 |
| Tool indexing time (one/full) | 0.3s |
| External tool size | 25X25mm |
| Maximum boring tool diameter | BMT45-φ32mm、BMT55-φ40mm |
| Maximum speed of tool axis | 4000rpm |
| Positioning accuracy | ±4" |
| Repeatability | ±1.6" |

High-precision CNC horizontal turning (milling) lathe

Equipment structure technical description

Tool holder type



| Power tower specifications | | BMT45 | BMT55 | BMT65 |
|---|--|----------------------|----------------------|----------------------|
| Please refer to the power motor power (rated) | | 2.2kw | 3.7kw | 5.5kw |
| Drilling d (mm) * a (mm/u) | | 14 X 0.15 | 20 X 0.2 | 22 X 0.2 |
| Tapping d (mm) * p(mm) | | M10 X 1.5 M24 X 1 | M16 X 2 M24 X 1.5 | M18 X 2 M27 X 1.5 |
| Milling d(mm) * p(mm)*a(mm/min) | | 20 X 10 X 40 | 25 X 14 X 40 | 25 X 20 X 40 |

Specific processing parameters depend on the processing material and power of the power motor.

High-precision CNC horizontal turning (milling) lathe

Equipment structure technical description

Hydraulic telescopic tailstock

- ★ Large-span hard rail structure design, strong rigidity and strong load-bearing capacity
- ★ Rectangular guide rail structure, more reliable when the lower plate is locked.
- ★ The sleeve has a long stroke, hydraulically controls the workpiece, and the control force is adjustable. Meet the processing needs of different types of products.



15-inch color-body operation panel

- ★ The use of Genesis CNC system maximizes user productivity.
- ★ The newly upgraded operation panel adopts universally designed buttons and layout to enhance operational convenience. Optional easy-to-enter push button switch, new ergonomic design.



15-inch display

.Optional easy-to-enter pushbutton switch available

.New ergonomic design

High-precision CNC horizontal turning (milling) lathe

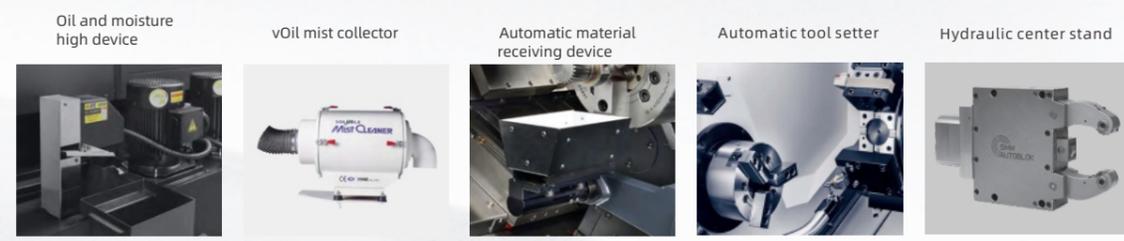
Equipment structure technical description

Tool holder type

- ★ High rigidity structure and high clamping accuracy. The sliding surfaces are hardened, precision ground, and directly lubricated.
- ★ The wedge-shaped three-jaw design of the chuck is particularly suitable for clamping special-shaped objects.



Rich option configuration



High-precision CNC horizontal turning (milling) lathe

Equipment structure technical description

Processing test comparison (all are on-site proofing data)



| Re-cut test | | | | |
|--|-------------------------|-----------------|--------------|-------------------------------------|
| Tool angle/arc: 80 degree outer circle tool/R0.8 spindle speed S1000 | | | | |
| Feed (G99) | Cutting amount per side | Processing size | Spindle load | Processing conclusion |
| F0.4 | 5MM | Φ56X50 | 117% | Normal, no vibration of the spindle |
| F0.35 | 4MM | Φ66X50 | 96% | |



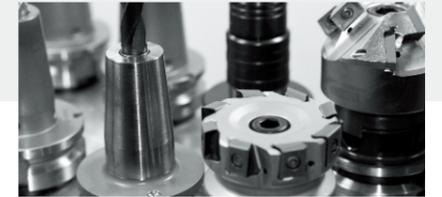
| Roundness/Taper Change Test | | | |
|--|--------------------------|--|-----------------------------------|
| Tool name/angle/arc angle: outer diameter/35°/R0.4 spindle speed S1500 | | | |
| Feed (G99) | Cutting amount per side | Processing size | Processing conclusion |
| F0.05 | 0.05MM | 131 | Normal |
| Inspection items | Inspection tools/methods | Reference values for national standard parts | Actual measured values: roundness |
| Front roundness | 3D /Micrometer | 0.003 | 0.0016 |
| Center roundness | | | 0.0018 |
| Back roundness | | | 0.002 |



| Line profile change test | | | |
|---|---------------|------------------|-------------------------|
| Tool name/angle/ arc angle | Spindle speed | Feed (G99) | Cutting amount per side |
| Cylindrical nut/35/R0.4 | S1500 | F0.05, precision | 0.04mm |
| National standard parts reference value | | Actual value | |
| 0.045 | | 0.0125 | |



| Flatness change test | | | |
|---|-----------------------------|--|------------------------|
| Tool name/angle/arc angle Outside: Angle/35°/R0.4 Spindle speed S1200 | | | |
| Feed (G99) | Cutting Amount/ Single Side | Extension | Processing Conclusion |
| F0.05 | 0.05MM | 35 | Normal |
| Inspection items | Inspection tools/methods | National standard parts reference values | Actual measured values |
| End surface flatness | three-dimensional | □0.022 (concave in the middle) | Concave 0.0039 |



Technology parameter

| | | D-L35 | D-L35M | D-L35Y | D-L45 | D-L45M | D-L45Y |
|-------------------|---|------------------------------|-----------|---|------------------------------|-----------|---|
| Processing range | Max. rotation diameter (mm) | Φ550 | | | Φ650 | | |
| | Max. processing diameter (shaft/disc)(mm) | Φ300/Φ350 | | | Φ380/Φ450 | | |
| | Max. processing length(mm) | 560 | 500 | 450 | 560 | 500 | 450 |
| | Max. bar diameter(mm) | Φ52 | | | Φ75 | | |
| Travel | X-axis travel(mm) | 190 | | | 240 | | |
| | Y-axis travel(mm) | / | | 100(±50) | / | | 100(±50) |
| | Z-axis travel(mm) | 580 | 530 | 500 | 580 | 530 | 500 |
| Motorized spindle | Output power(S1/S6)(kw) | 14.5/18 | | | 14/16 | | |
| | Spindle end form | A2-6 | | | A2-8 | | |
| | Spindle speed(rpm) | 0-4500 | | | 0-2500 | | |
| | Spindle through hole diameter(mm) | Φ67 | | | Φ103 | | |
| Tool holder | Tool form and tool capacity | Servo /12 | Power /12 | | Servo /12 | Power /12 | |
| | Max. speed of power tool(rpm) | / | 3000 | | / | 3000 | |
| | Specifications(mm) | / | BMT45 | BMT45 <small>(With independent Y axis)</small> | / | BMT55 | BMT55 <small>(With independent Y axis)</small> |
| | Turning tool holder specifications(mm) | 25×25 | | | 25×25 | | |
| | Max. diameter of boring tool holder(mm) | Φ40 | Φ32 | | Φ40 | | |
| Rapid speed | Rapid speed(X/Z axis)(m/min) | 30 | | | 30 | | |
| | Rapid speed(Y axis)(m/min) | / | | 10 | / | | 10 |
| Feed rate | Cutting feed rate(mm/min) | 1-8000 | | | 1-8000 | | |
| Tailstock | Tailstock tapered hole form | Hydraulic sleeve/Mohs 5# | | | Hydraulic sleeve/Mohs 5# | | |
| | Tailstock sleeve travel(mm) | 150 | | | 150 | | |
| Control system | Nc form | Genesis System | | | Genesis System | | |
| Chip conveyor | | Automatic rear chip conveyor | | | Automatic rear chip conveyor | | |

All pictures in this album are for reference only and are subject to actual delivery; our company's products are constantly being improved and the above information is subject to change without prior notice.

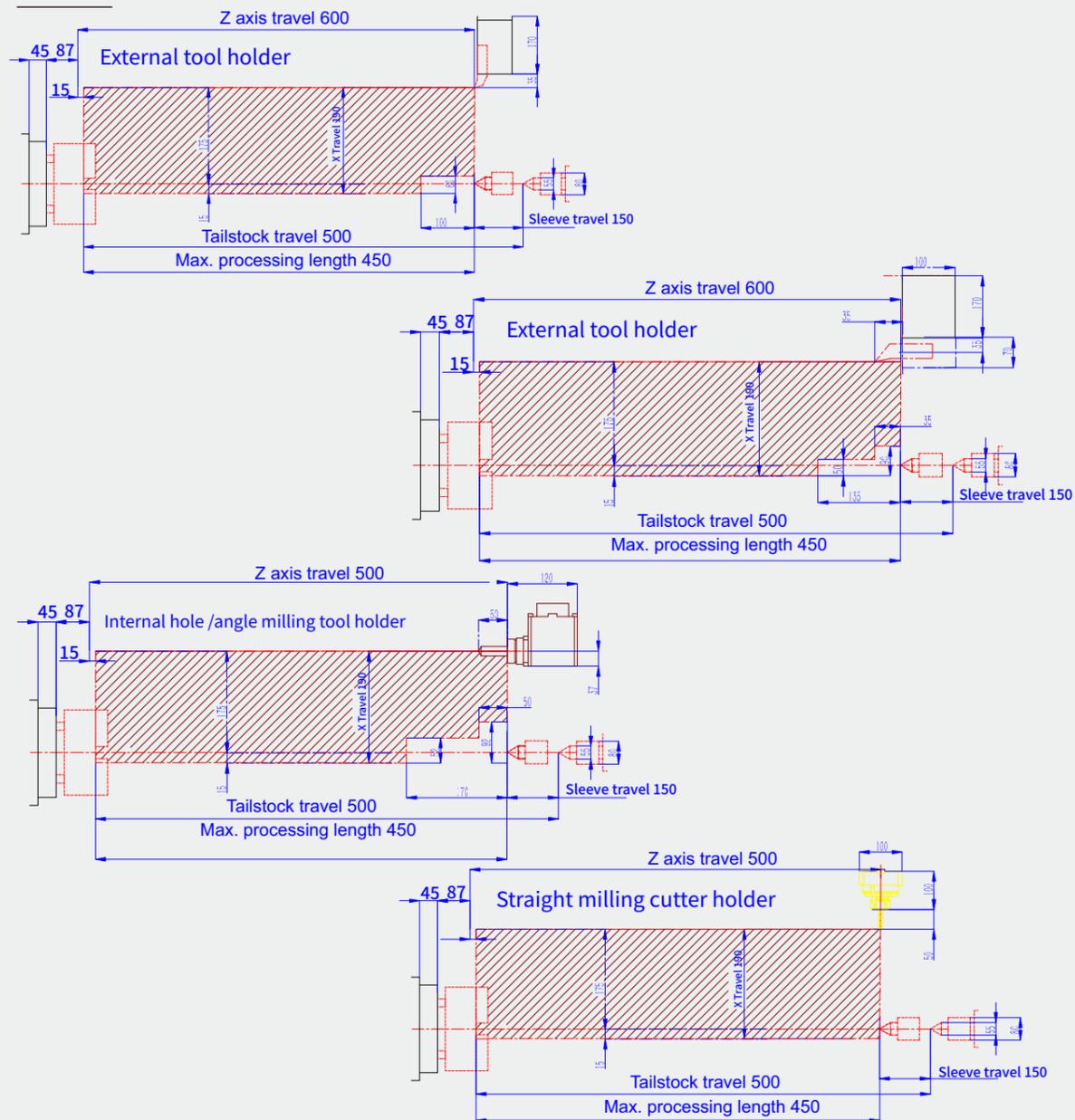
Technical configuration

| | D-L35 | D-L35M | D-L35Y | D-L45 | D-L45M | D-L45Y |
|-------------------------------------|-------|--------|--------|-------|--------|--------|
| A2-6 motorized spindle | ● | ● | ● | ○ | ○ | ○ |
| A2-8 motorized spindle | ○ | ○ | ○ | ● | ● | ● |
| 6-inch hollow chuck cylinder | ○ | ○ | ○ | △ | △ | △ |
| 8 inch hollow chuck cylinder | ● | ● | ● | ○ | ○ | ○ |
| 10 inch hollow chuck cylinder | ○ | ○ | ○ | ● | ● | ● |
| 12-inch hollow chuck cylinder | △ | △ | △ | ○ | ○ | ○ |
| 6 inch solid chuck cylinder | ○ | ○ | ○ | △ | △ | △ |
| 8 inch solid chuck cylinder | ○ | ○ | ○ | ○ | ○ | ○ |
| 10 inch solid chuck cylinder | △ | △ | △ | ○ | ○ | ○ |
| 12 inch solid chuck cylinder | ● | ○ | ○ | ● | ○ | ○ |
| Servo turret | ○ | ● | ● | ○ | ● | ● |
| Powered turret | ● | ● | ● | ● | ● | ● |
| 12 workstations | ● | ● | ● | ● | ● | ● |
| Hydraulic telescopic tailstock | ○ | ○ | ○ | ○ | ○ | ○ |
| Programmable tailstock | ○ | ○ | ○ | ○ | ○ | ○ |
| Side chip conveyor (automatic) | ● | ● | ● | ● | ● | ● |
| Rear chip conveyor (automatic) | ○ | ○ | ○ | ○ | ○ | ○ |
| Rear chip conveyor (manual) | ○ | ○ | ○ | ○ | ○ | ○ |
| center frame | ○ | ○ | ○ | ○ | ○ | ○ |
| Tool setter | ○ | ○ | ○ | ○ | ○ | ○ |
| Bar machine | ○ | ○ | ○ | ○ | ○ | ○ |
| Automatic material receiving device | ○ | ○ | ○ | ○ | ○ | ○ |
| Oil mist collector | ○ | ○ | ○ | ○ | ○ | ○ |
| High pressure water outlet | ○ | ○ | ○ | ○ | ○ | ○ |
| Automatic door | ○ | ○ | ○ | ○ | ○ | ○ |
| Sub-spindle | ○ | ○ | ○ | ○ | ○ | ○ |
| Grating scale | ○ | ○ | ○ | ○ | ○ | ○ |
| Safety door grating | ○ | ○ | ○ | ○ | ○ | ○ |

● Standard configuration ○ Optional ▲ Consultable △ Non-optional

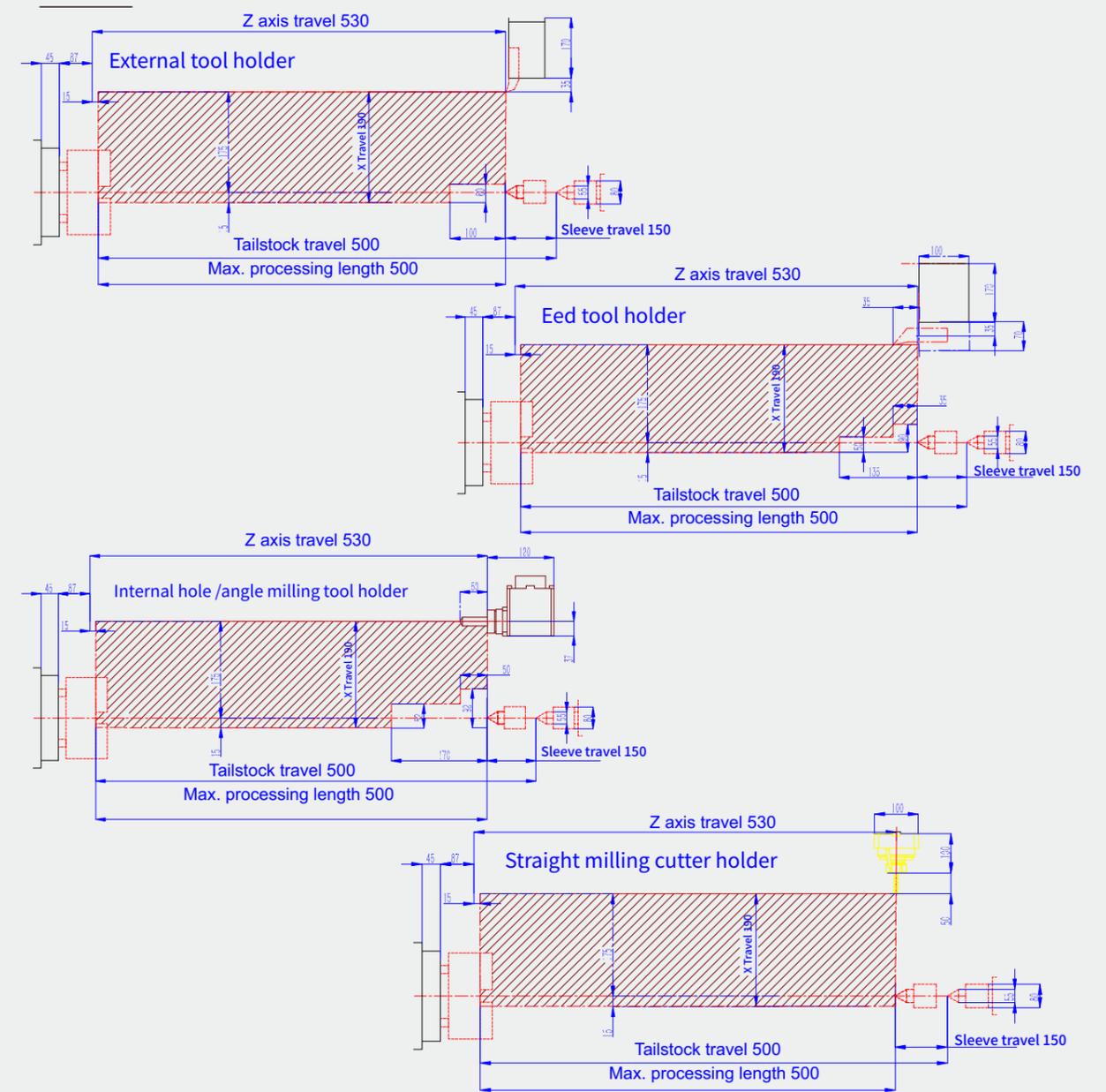
Processing Capacity Chart

D-L35Y



Processing Capacity Chart

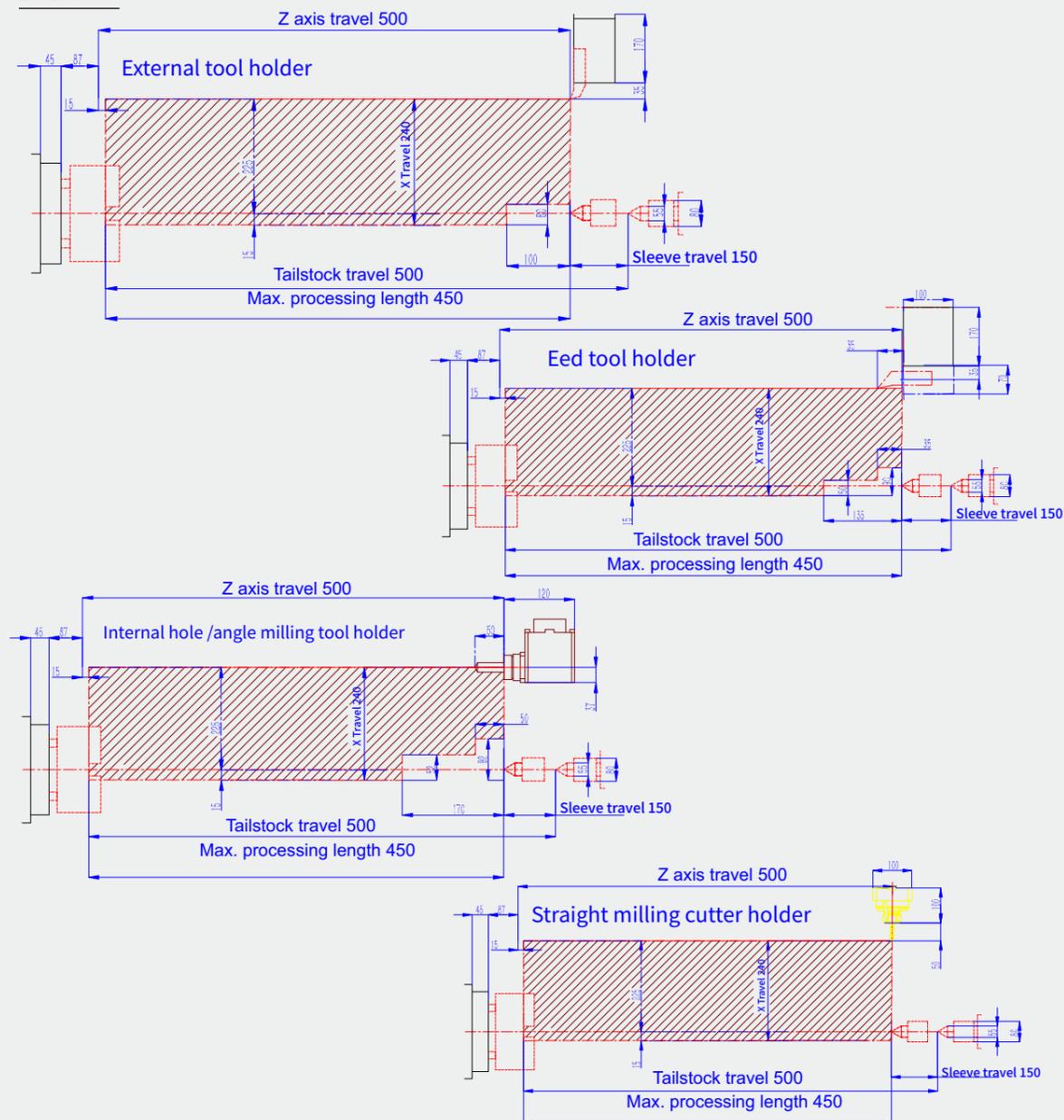
D-L45M



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| Features & Technology |
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| Machine appearance diagram |

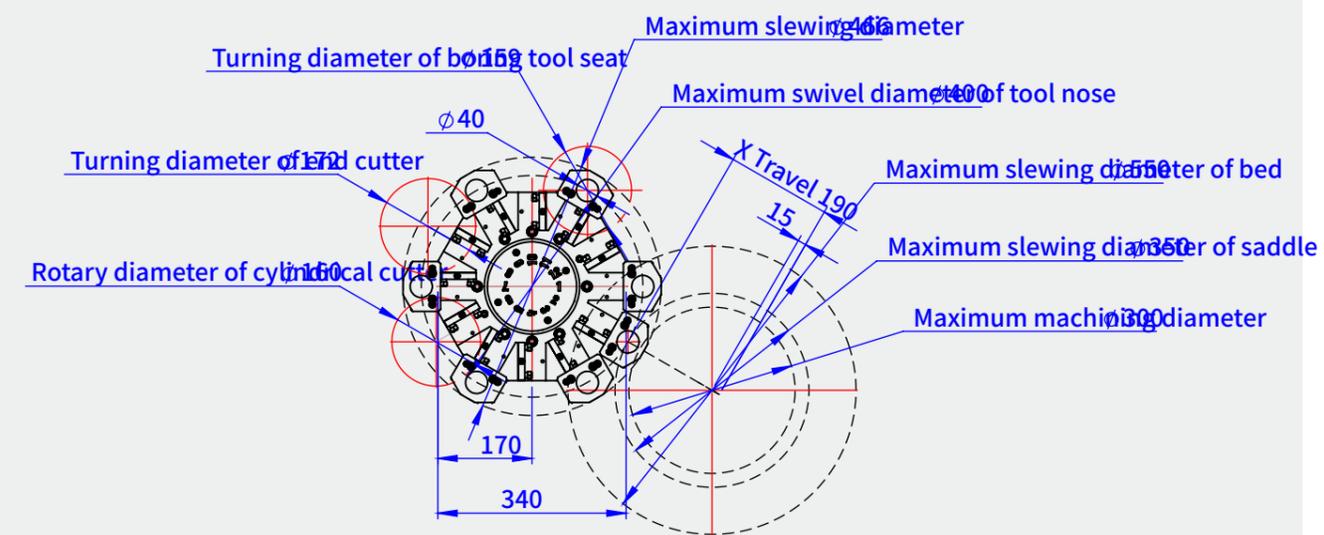
Processing Capacity Chart

D-L45Y

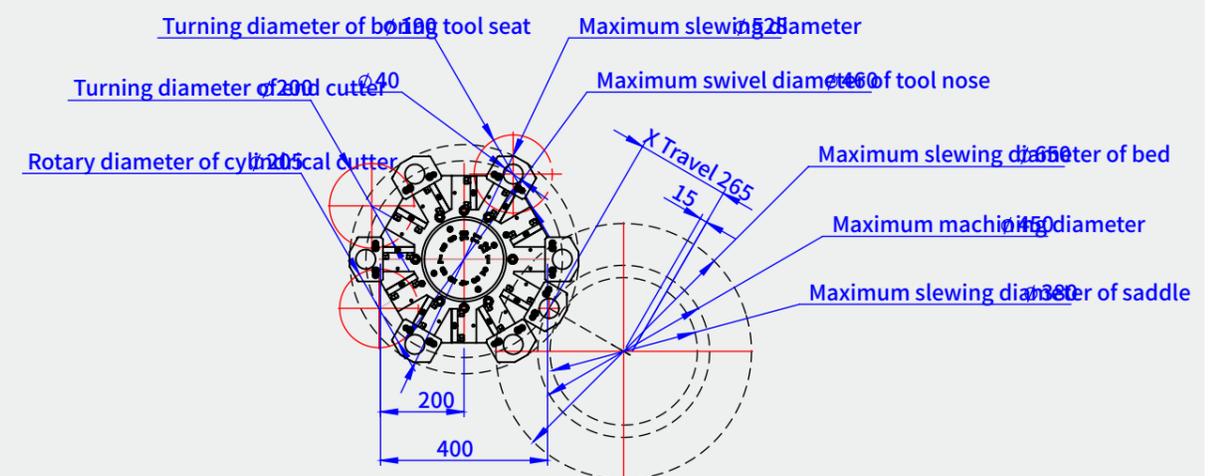


Tool Interference Diagram

D-L35



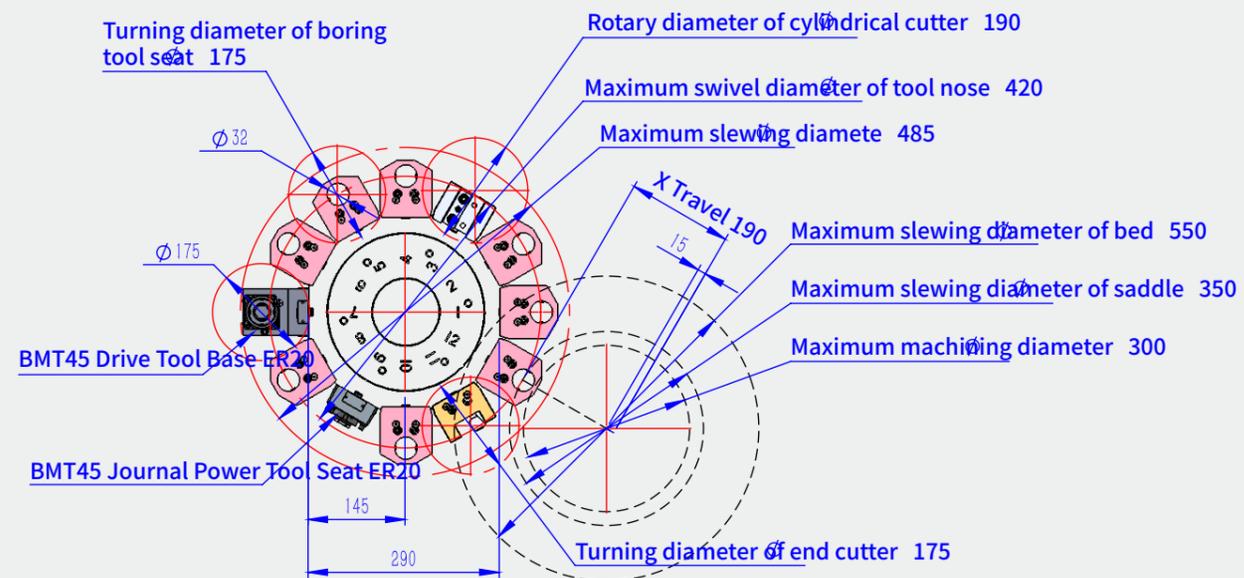
D-L45



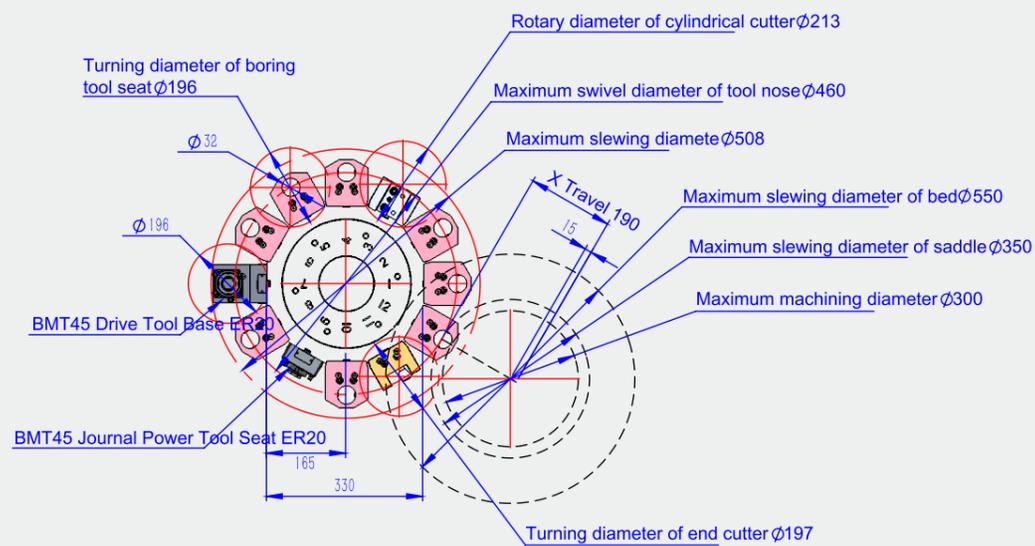
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Tool Interference Diagram

D-L35M

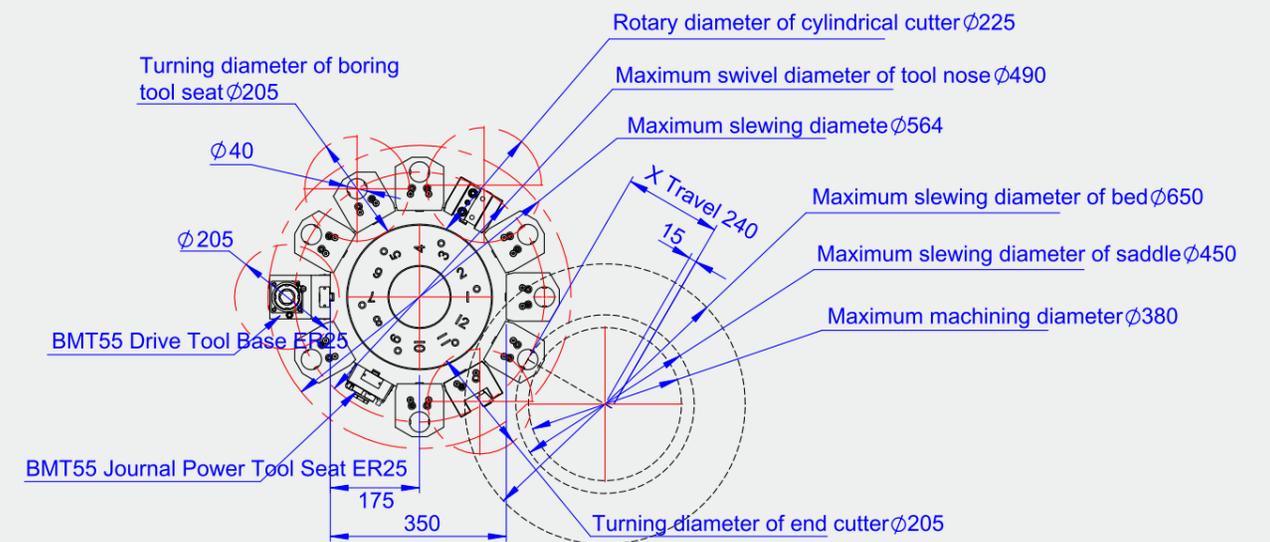


D-L35Y



Tool Interference Diagram

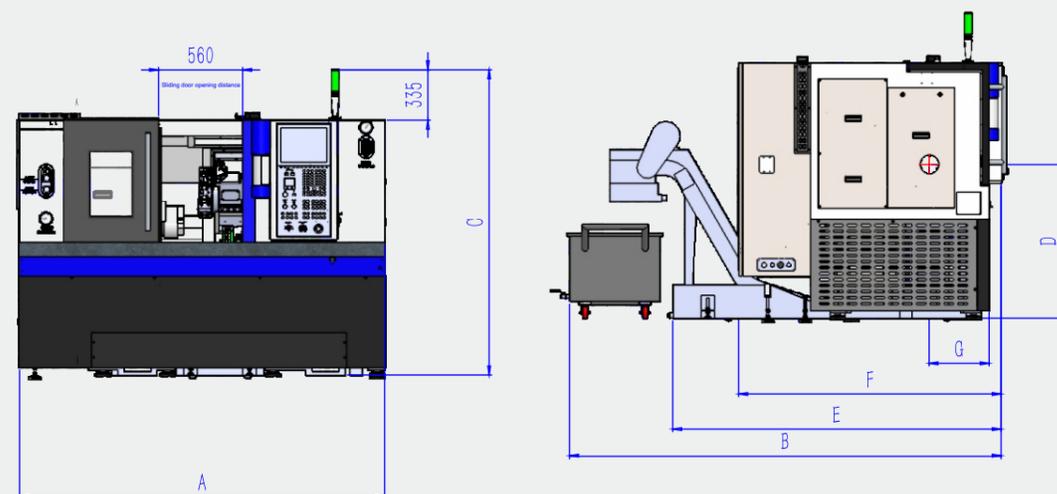
D-L45M/D-L45Y



Machine appearance diagram

D-L35/D-L45/D-L35M/D-L45M/D-L35Y/D-L45Y

Standard size



| Standard size | A | B | C | D | E | F | G |
|---------------|------|------|------|------|------|------|-----|
| D-L35 | 2430 | 2800 | 2030 | 1020 | 2180 | 1740 | 400 |
| D-L45 | 2480 | 2860 | 2120 | 1085 | 2220 | 1840 | 400 |
| D-L35M | 2430 | 2800 | 2030 | 1046 | 2180 | 1740 | 370 |
| D-L45M | 2480 | 2860 | 2120 | 1110 | 2220 | 1840 | 370 |
| D-L35Y | 2430 | 2800 | 2230 | 1046 | 2180 | 1740 | 370 |
| D-L45Y | 2480 | 2860 | 2450 | 1110 | 2220 | 1840 | 370 |



Features & Technology

Structure & Configuration

Options & Highlights

Parameters & sizes

Machine appearance diagram

High-precision CNC horizontal Turning (Milling) Lathe

D-L3505/D-L3505M/ D-L3505MS/D-L3505MSY/D-L4505

- ★ 30° integral material bed design has the advantages of high rigidity and convenient chip removal.
- ★ Integrated high rigidity, large torque, large through hole spindle, low noise and high positioning accuracy.
- ★ X/Z axes are designed with a hard rail structure. The guide rail surface is high-frequency quenched to a hardness of HRC48, and combined with low-friction, wear-resistant imported plastic-coated guide rail soft belts, it has good motion accuracy and dynamic characteristics.
- ★ The tailstock adopts rectangular guide rail, the guide rail surface has HRC48 hardness surface heat treatment, and has good load-bearing rigidity.
- ★ Designed according to ergonomic principles, using a swingable operation panel
- ★ Automate multiple options to achieve higher production efficiency.



High-speed
High-efficiency
High-precision

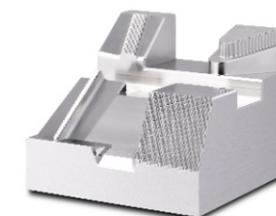


Diversified application fields

Impellers, precision molds, medical equipment, automotive parts, aerospace parts, die castings, military parts



Impeller



Combination pattern inserts



Locating ring



Car light pattern inserts



Medical parts



Hydraulic valve body

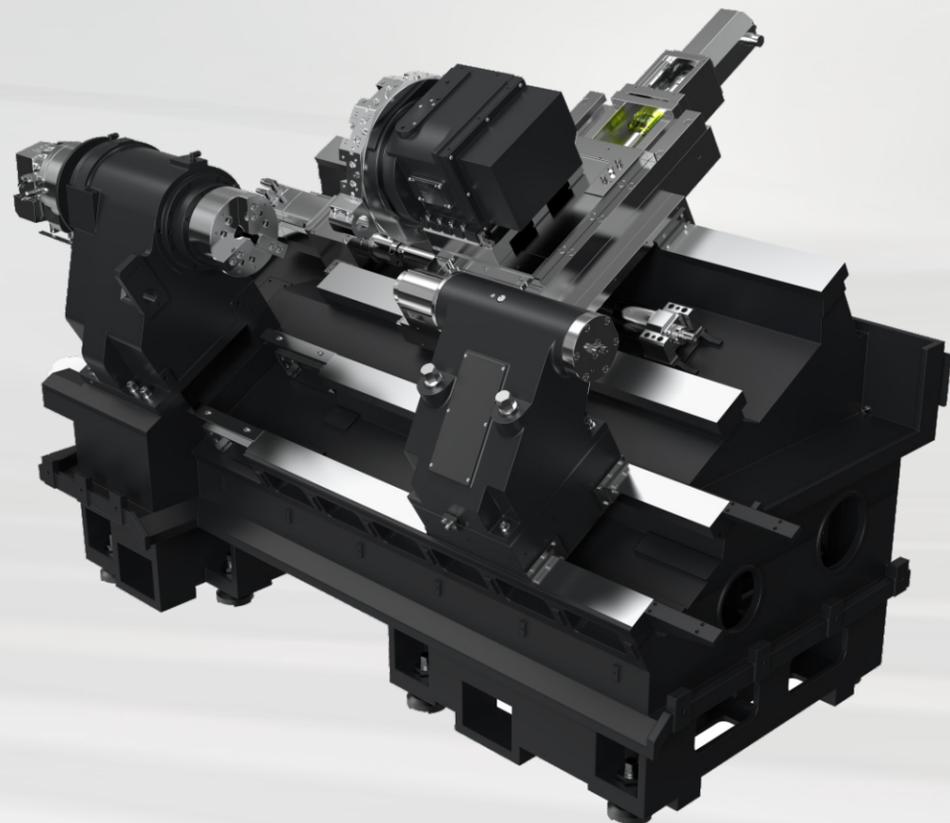
High-precision CNC horizontal turning (milling) lathe

Equipment structure technical description

30° overall inclined bed structural characteristics

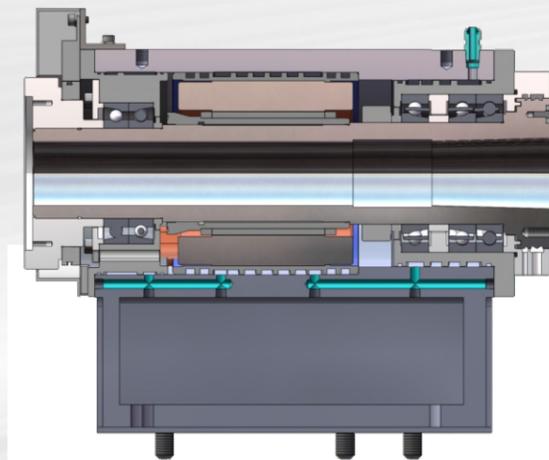
Perfect rigidity, high stability and high load-bearing capacity

- ★ The structural characteristics of the 30° integral bed slant body. After finite element analysis, the layout of the reinforcing ribs is optimized, so that the machine tool has excellent rigidity and low vibration, while achieving the smallest floor space.
- ★ All castings undergo long-term natural aging treatment and undergo secondary vibration aging treatment before finishing to eliminate residual stress inside the castings and ensure long-lasting and stable accuracy.
- ★ The X and Z axis screws adopt imported C3-level bidirectional preload hollow screws, which are high-speed and silent, with a rapid movement speed of 20m/min, fast response speed and high positioning accuracy.



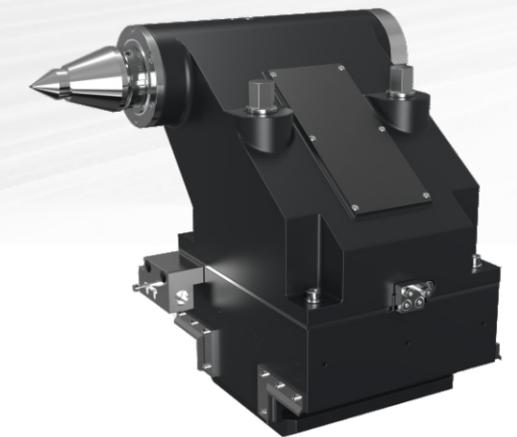
High-precision CNC horizontal turning (milling) lathe

Equipment structure technical description



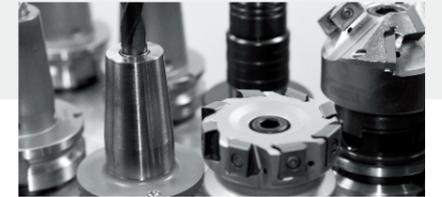
Features of motorized spindle

- ▶ Independently developed high-rigidity, large-through-hole, and high-torque motorized spindles to greatly improve production efficiency
- ▶ It adopts P4 grade special bearings for machine tools and is lubricated with special grease to maintain good accuracy and long service life.
- ▶ The spindle is directly driven by the built-in motor, with compact structure, reduced transmission error, high positioning accuracy and good stability.
- ▶ The spindle components are water-cooled or oil-cooled to reduce the impact of spindle heat on machining accuracy.



Hydraulic telescopic tailstock

- ▶ Tailstock live center structure, sleeve hydraulic drive, easy to operate.
- ▶ The tailstock is driven by a rectangular guide rail saddle drag pin, with high guiding accuracy.
- ▶ The sleeve has a long stroke, hydraulically clamps the workpiece, and the clamping force is adjustable to meet the processing needs of different types of products.



Technology parameter

| | | D-L3505 | D-L3505M | D-L3505MS | D-L3505MSY | D-L4505 |
|-----------------------------------|--|-------------------------------|----------|-----------|------------|-----------------------------|
| Processing range | Max. rotation diameter on the bed (mm) | Φ610 | | | Φ640 | Φ720 |
| | Max. processing diameter (shaft/disc) (mm) | Φ406/Φ406 | | | Φ390/Φ480 | Φ450/Φ450 |
| | Max. processing length (mm) | 560 | | | 550 | 560 |
| | Max. bar diameter (mm) | Φ65 | | Φ52 | | Φ75 |
| Travel | X-axis travel (mm) | 240 | | | 215 | 265 |
| | Y-axis travel (mm) | / | | | 105(±52.5) | / |
| | Z-axis travel (mm) | 580 | | | 580 | 580 |
| | Z2 axis travel (mm) | 500 | | 580 | | 580 |
| Motorized spindle(S1) | Output power (S1/S6) (kw) | 14.5/18 | | | 14/16 | |
| | Spindle end form | A2-6 | | | A2-8 | |
| | Spindle speed (rpm) | 0-4500 | | | 0-2500 | |
| | Main spindle through hole diameter (mm) | Φ76 | | Φ67 | | Φ103 |
| Motorized spindle(S2 sub-spindle) | Output power(S1/S6) (kw) | / | | 11.7/17.5 | | / |
| | Spindle end form | / | | A2-5 | | / |
| | Spindle speed (rpm) | / | | 0-6000 | | / |
| | Main spindle through hole diameter (mm) | / | | Φ57 | | / |
| Tailstock | Tailstock form and tapered hole form | Hydraulic sleeve/Mohs No. 5 | | / | | Hydraulic sleeve/Mohs No. 5 |
| | Tailstock sleeve travel (mm) | 150 | | / | | 150 |
| Tool turret | Tool form and tool capacity | Servo/12 | Power/12 | | | Servo/12 |
| | Max. speed of power tool (rpm) | / | 3000 | | | / |
| | Cutter tool handle specifications (mm) | / | BMT55 | | | / |
| | Turning tool holder specifications (mm) | 25×25 | | | 25×25 | |
| | Max. diameter of boring tool holder (mm) | Φ40 | | | | |
| Rapid speed | Rapid speed (X/Z axis) (m/min) | 20 | | | 20 | |
| | Rapid speed (Y axis) (m/min) | / | | | 10 | / |
| | Rapid speed (Z2 axis) (m/min) | 20 | | | | |
| Feed rate | Feedrate(mm/min) | 1-8000 | | | | |
| System | NC | Genesis system | | | | |
| Chip conveyor | | Automatic right chip conveyor | | | | |

All pictures in this album are for reference only and are subject to actual delivery; our company's products are constantly being improved and the above information is subject to change without prior notice.

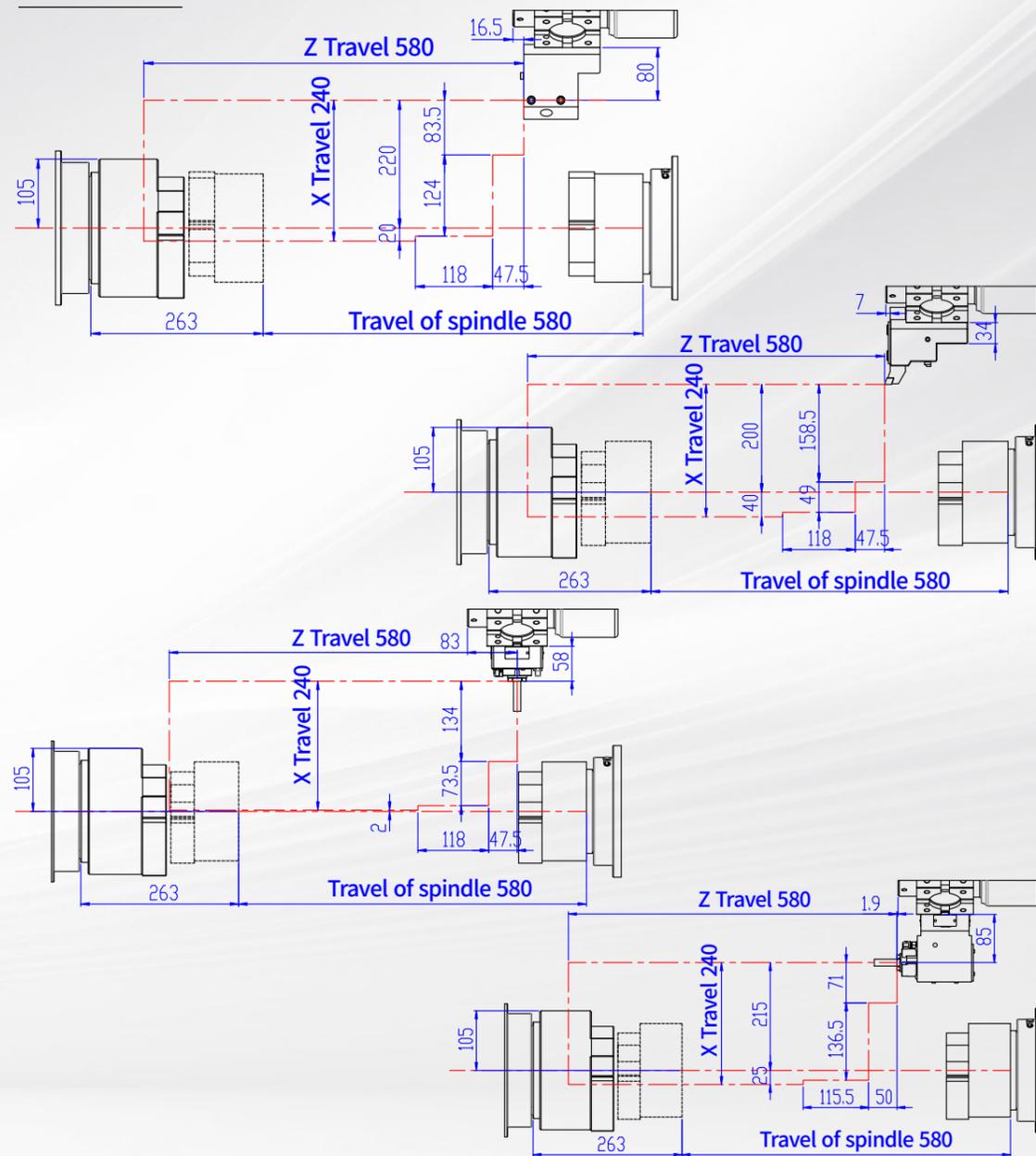
Technical configuration

| | D-L3505 | D-L3505M | D-L3505MS | D-L3505MSY | D-L4505 |
|---|---------|----------|-----------|------------|---------|
| A2-5 counter spindle | ○ | ○ | ● | ● | ○ |
| A2-6 motorized spindle | ● | ● | ● | ● | ○ |
| A2-8 motorized spindle | ○ | ○ | ○ | ○ | ● |
| 6-inch hollow chuck cylinder | ○ | ○ | ○ | ○ | △ |
| 8 inch hollow chuck cylinder | ● | ● | ● | ● | ○ |
| 10 inch hollow chuck cylinder | ○ | ○ | ○ | ○ | ● |
| 12-inch hollow chuck cylinder | △ | △ | △ | △ | ○ |
| Sub-spindle 6-inch solid chuck cylinder | ○ | ○ | ● | ● | △ |
| 8 inch solid chuck cylinder | ○ | ○ | ○ | ○ | ○ |
| 10 inch solid chuck cylinder | △ | △ | △ | △ | ○ |
| 12-inch solid chuck cylinder | ● | ○ | ○ | ○ | ● |
| Servo turret | ○ | ● | ● | ● | ○ |
| Powered turret | ● | ● | ● | ● | ● |
| 12 workstations | ● | ● | ○ | ○ | ○ |
| Hydraulic telescopic tailstock | ○ | ○ | ○ | ○ | ○ |
| Programmable tailstock | ● | ● | ● | ● | ● |
| Side chip conveyor (automatic) | ○ | ○ | ○ | ○ | ○ |
| Rear chip chip conveyor (automatic) | ○ | ○ | ○ | ○ | ○ |
| Rear chip conveyor (manual) | ○ | ○ | ○ | ○ | ○ |
| Center frame | ○ | ○ | ○ | ○ | ○ |
| Tool setter | ○ | ○ | ○ | ○ | ○ |
| Bar machine | ○ | ○ | ○ | ○ | ○ |
| Automatic material catcher | ○ | ○ | ○ | ○ | ○ |
| Oil mist collector | ○ | ○ | ○ | ○ | ○ |
| High pressure water outlet | ○ | ○ | ● | ● | ○ |
| Automatic door | ○ | ○ | ○ | ○ | ○ |
| Sub-spindle | | | | | |
| Grating scale | | | | | |

● Standard configuration ○ Optional ▲ Consultable △ Non-optional

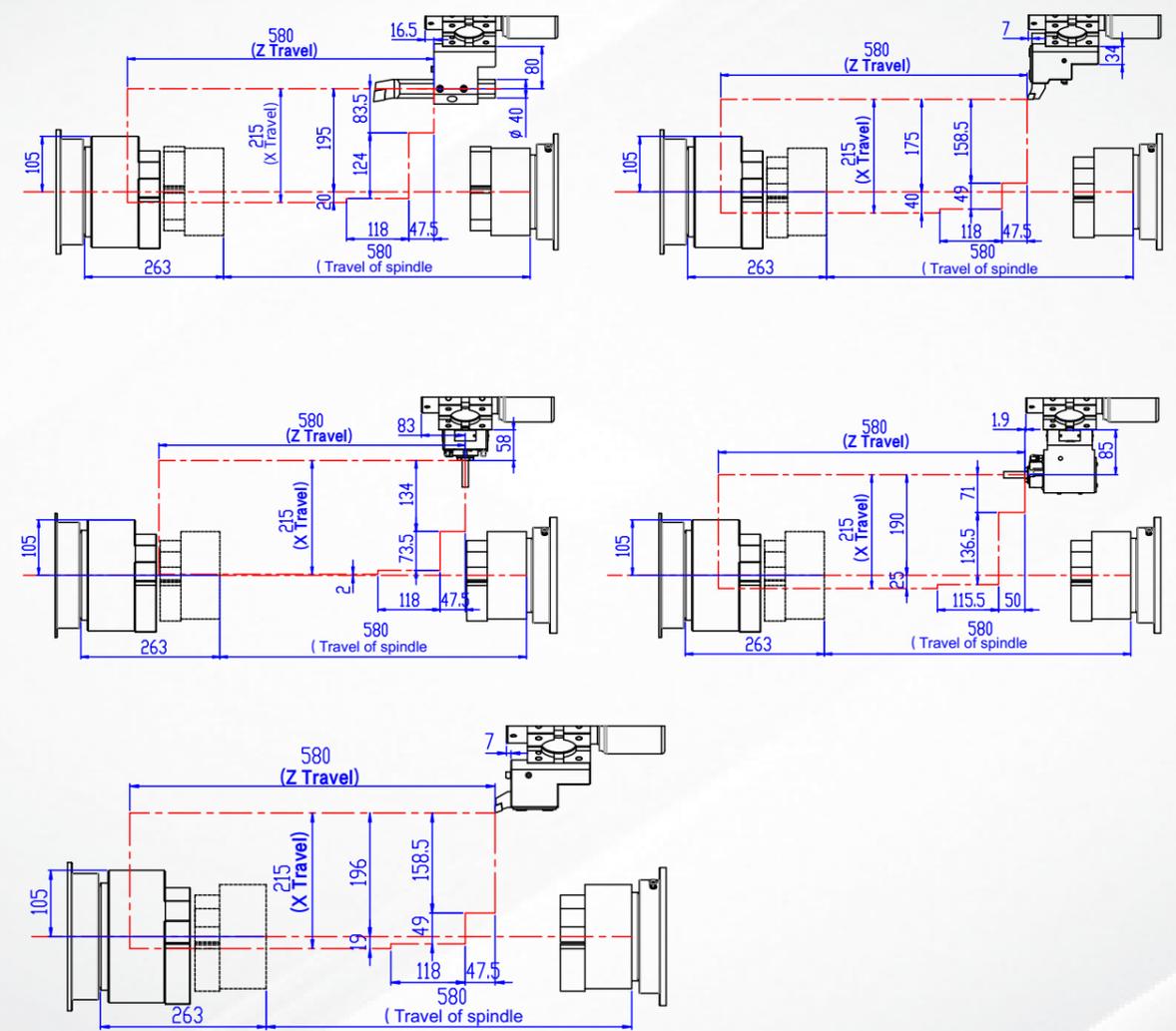
Processing Capacity Chart

D-L3505MS



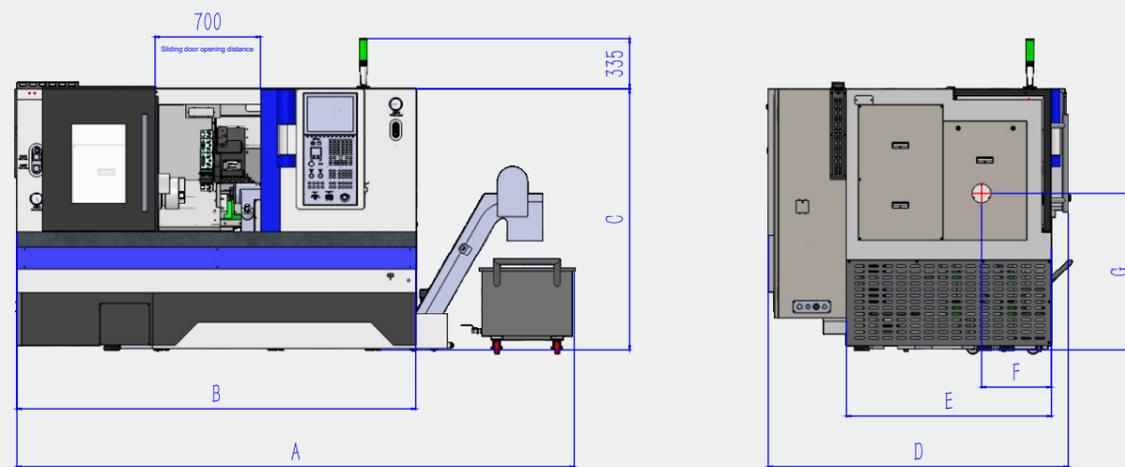
Processing Capacity Chart

D-L3505MSY



Machine appearance diagram

D-L3505/D-L4505/D-L3505MSY



| Standard size | A | B | C | D | E | F | G |
|---------------|------|------|------|------|------|-----|------|
| D-L3505 | 3685 | 2650 | 1725 | 1980 | 1365 | 460 | 1030 |
| D-L4505 | 3685 | 2650 | 1852 | 2015 | 1888 | 453 | 1105 |
| D-L3505MSY | 3950 | 2914 | 2137 | 2009 | 1372 | 435 | 950 |

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