

LA-350/450 SERIES

LA-350 L8/L16/L22
LA-450 L8/L16/L22



CNC
LATHE



More

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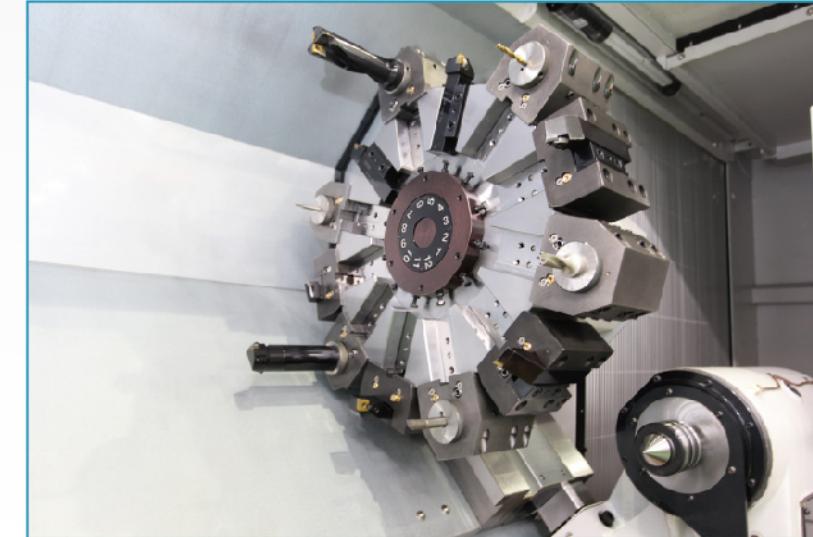
LA-350 | LA-450 Series

LA

350/450 SERIES

High Performance Model Range

- Modular series models, Barstock diameter increased to Ø150.
- Box way design for all machining axes.
- Takisawa in-house turret and spindle featuring high rigidity and accuracy with easy maintenance.
- High productivity to investment cost ratio.



The turret is designed for extreme rigidity through its wide and heavy build, inclusion of heavy duty oversized couplings and enhanced clamping pressure.



User-friendly movable operation panel,
you can turn 90 degrees left and right.



LA-350 L8/L16/L22 | LA-450 L8/L16/L22 Specifications

LA-350 L8/L16/L22

Max. swing	770 mm
Max. turning length	800/1600/2240 mm
Max. turning diameter	550 mm
Max. bar work capacity	117 mm
Spindle speed	2500(2000) rpm
Chuck size	12"(15")

LA-450 L8/L16/L22

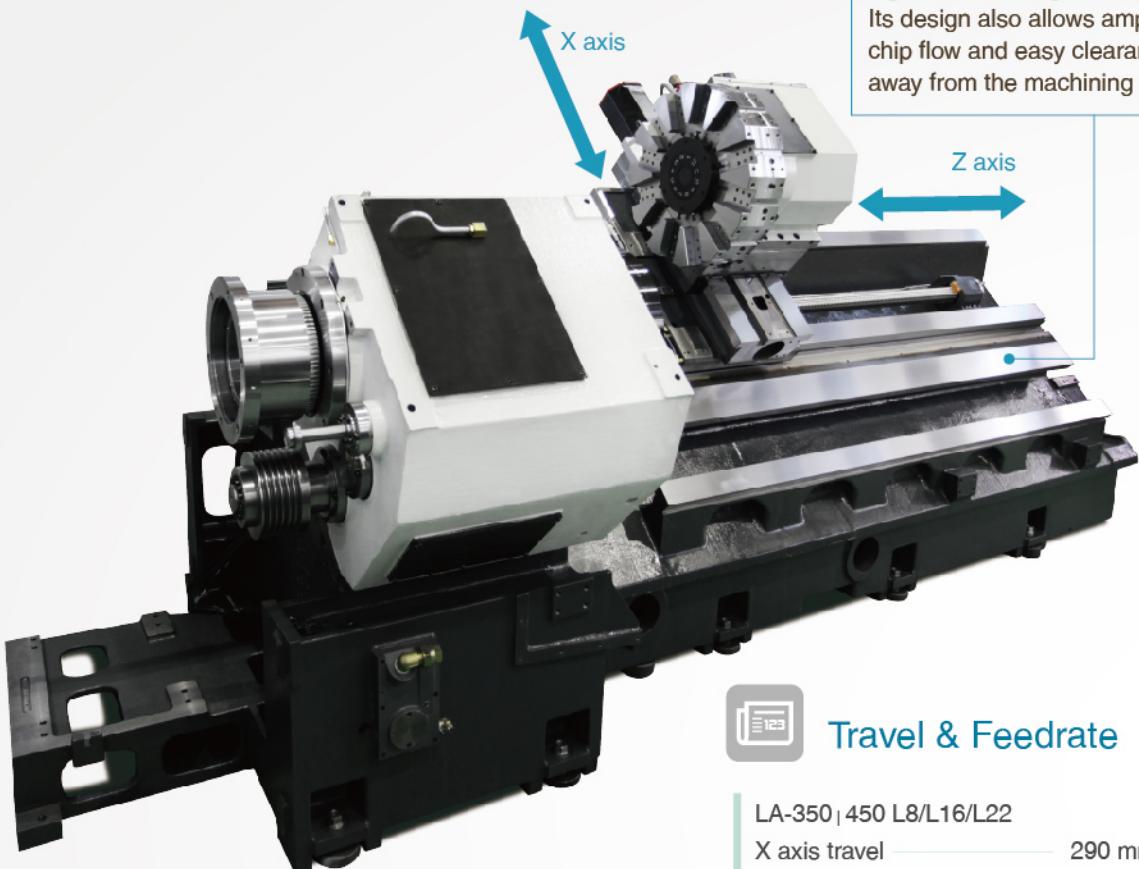
Max. swing	770 mm
Max. turning length	800/1600/2240 mm
Max. turning diameter	550 mm
Max. bar work capacity	150 mm
Spindle speed	1800(1500) rpm
Chuck size	18"(20")

* Specifications are subject to change without notice.

◀ A space is supporting long boring bar to be used.



LA-350 | LA-450 Series



The heavy duty one-piece slant bed machine base is an extremely rigid structure and together with its heavy duty box way design promotes the highest machining accuracy. Its design also allows ample space for chip flow and easy clearance of debris away from the machining process.



Travel & Feedrate

LA-350 | 450 L8/L16/L22

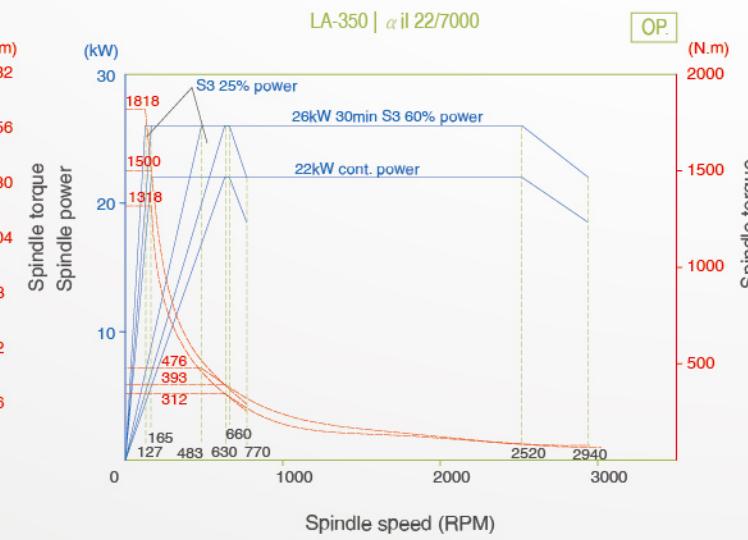
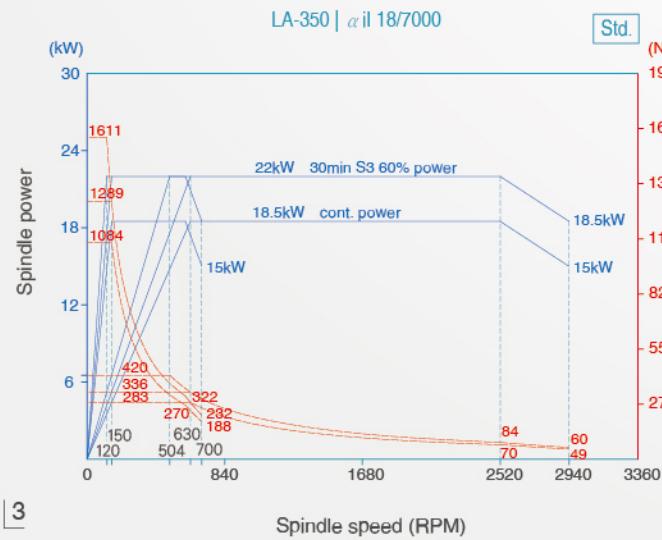
X axis travel	290 mm
X axis rapid traverse rate	16 m/min
Z axis travel	850/1650/2290 mm
Z axis rapid traverse rate	20/20/16 m/min

※ Specifications are subject to change without notice.



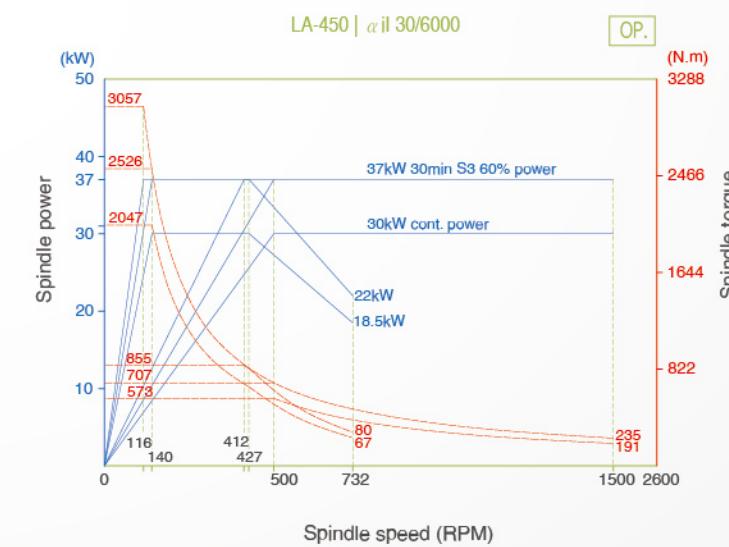
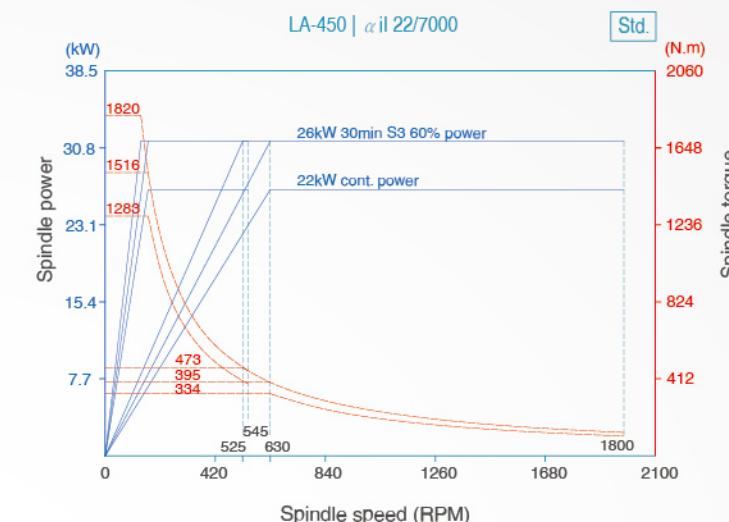
Spindle output diagram

Powered by FANUC MOTOR for high stability & high accuracy.

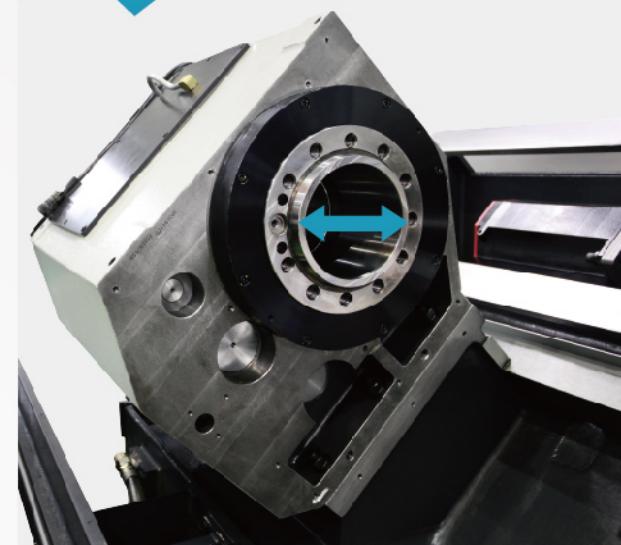


Spindle output diagram

Powered by FANUC MOTOR for high stability & high accuracy.



LA
350/450 SERIES



LA-350 through hole diameter: 126mm
LA-450 through hole diameter: 162mm

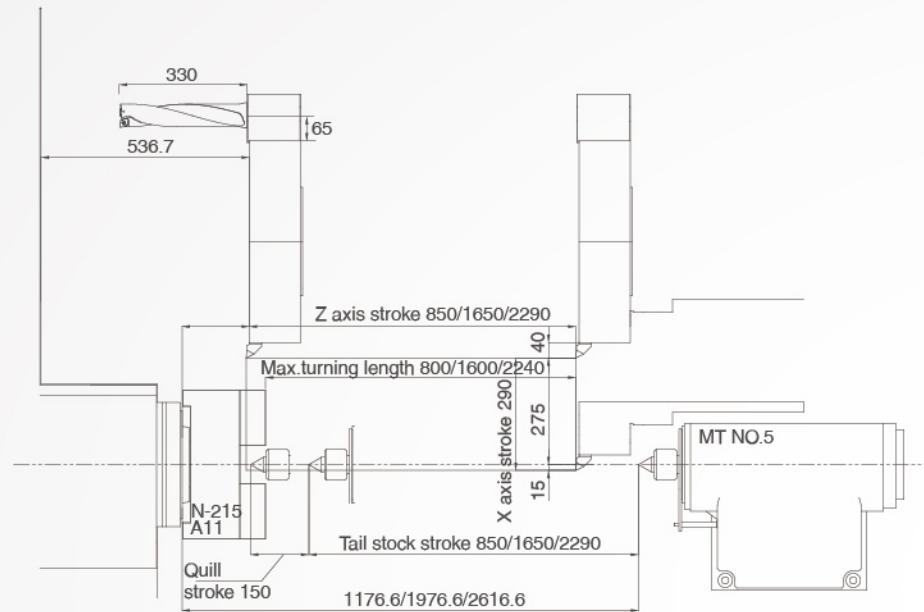


Hydraulic tailstock increase in the processing of long boring bar, can show high precision quality.

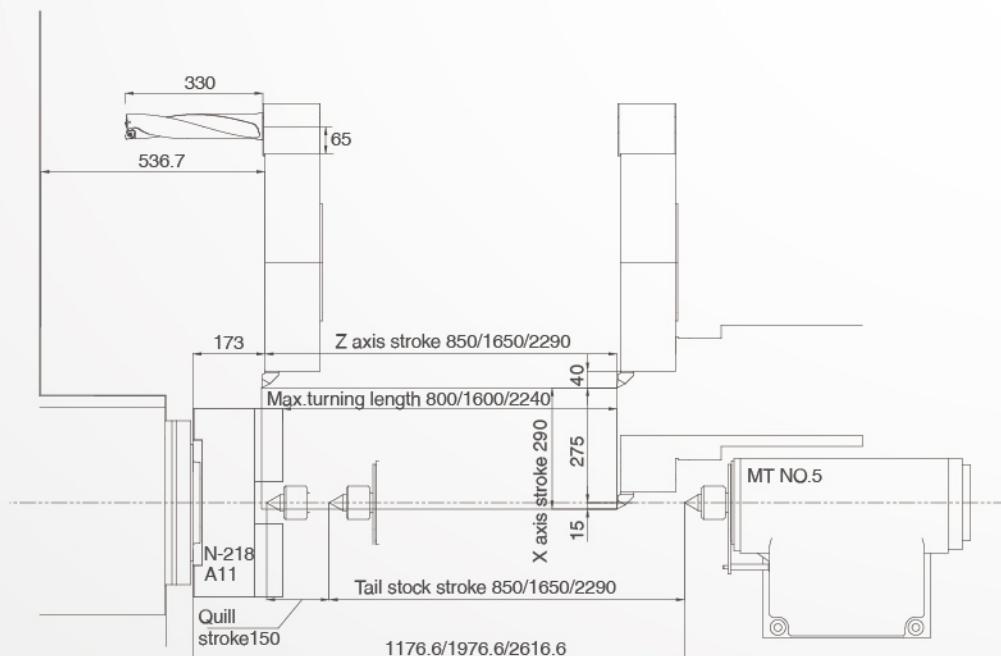


Working range

LA-350 Working Range

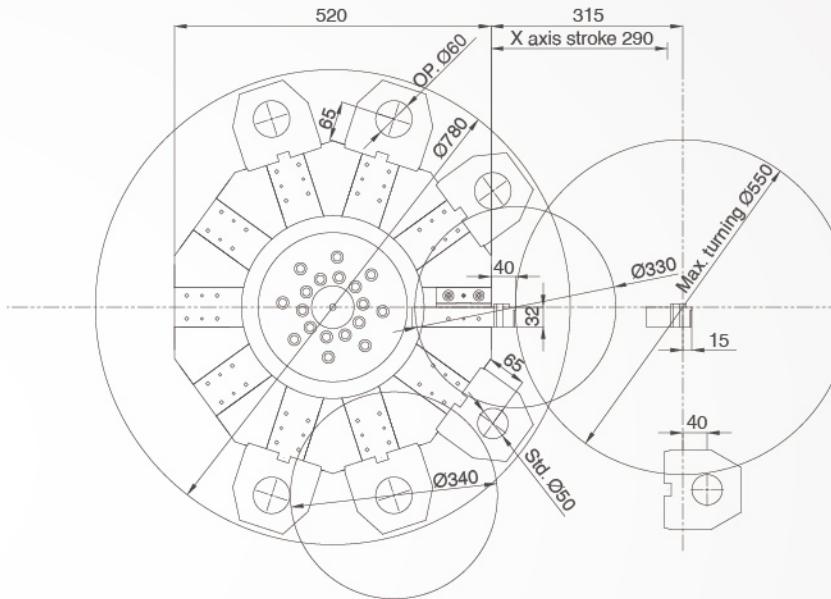


LA-450 Working Range

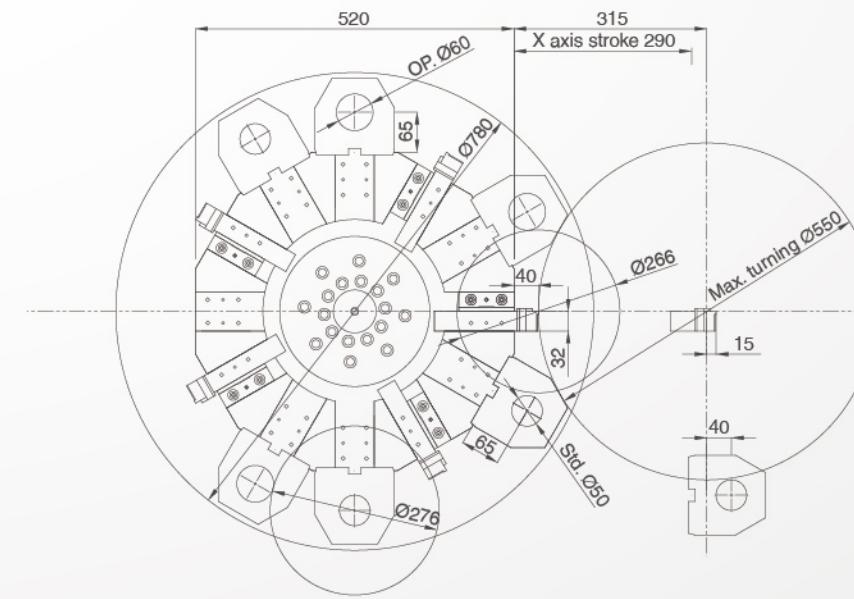


Interference diagram

LA-350/LA-450 Interference Diagram



Interference Diagram (T10)

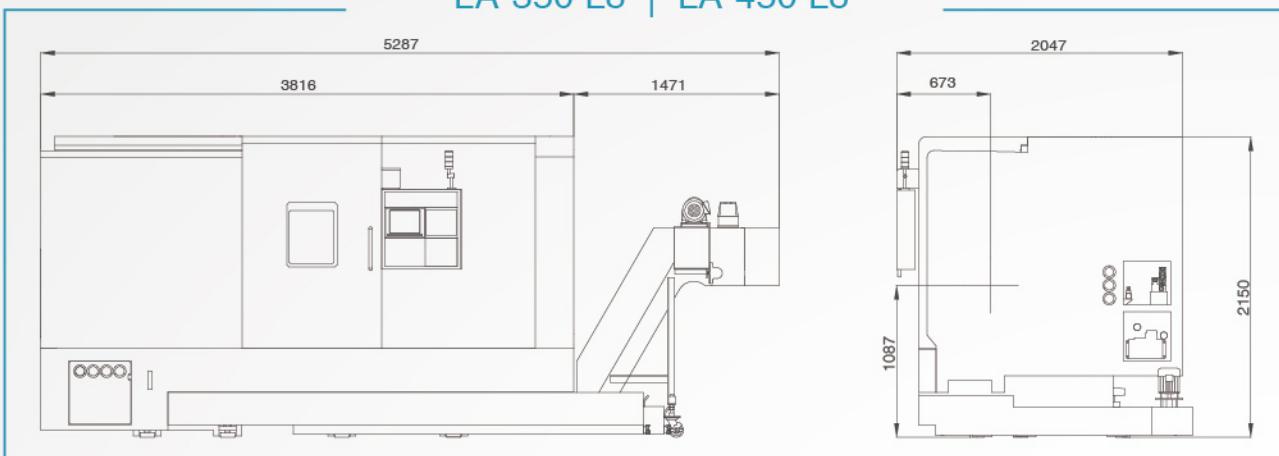


Interference Diagram (T12)

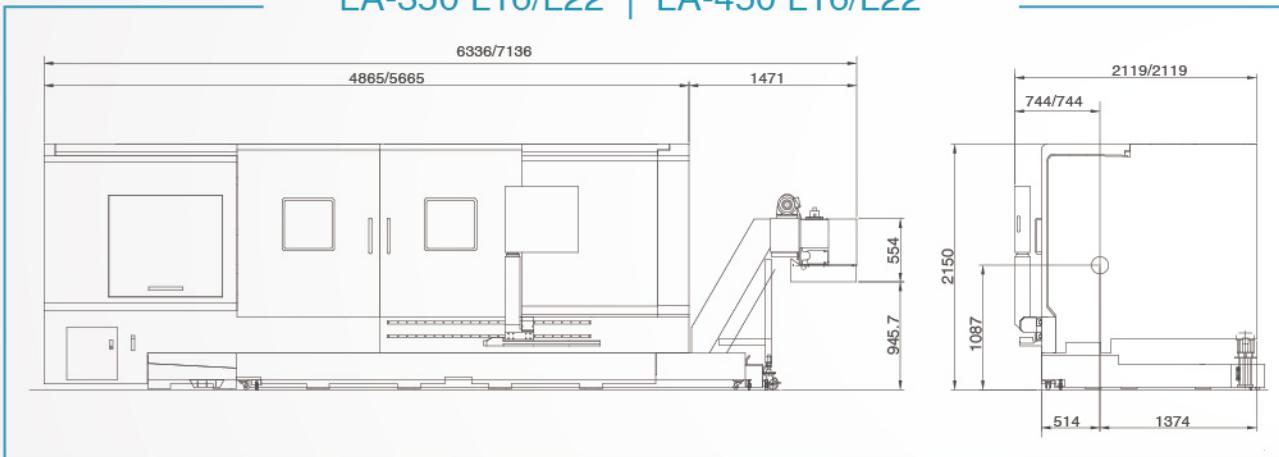


Machine dimensions

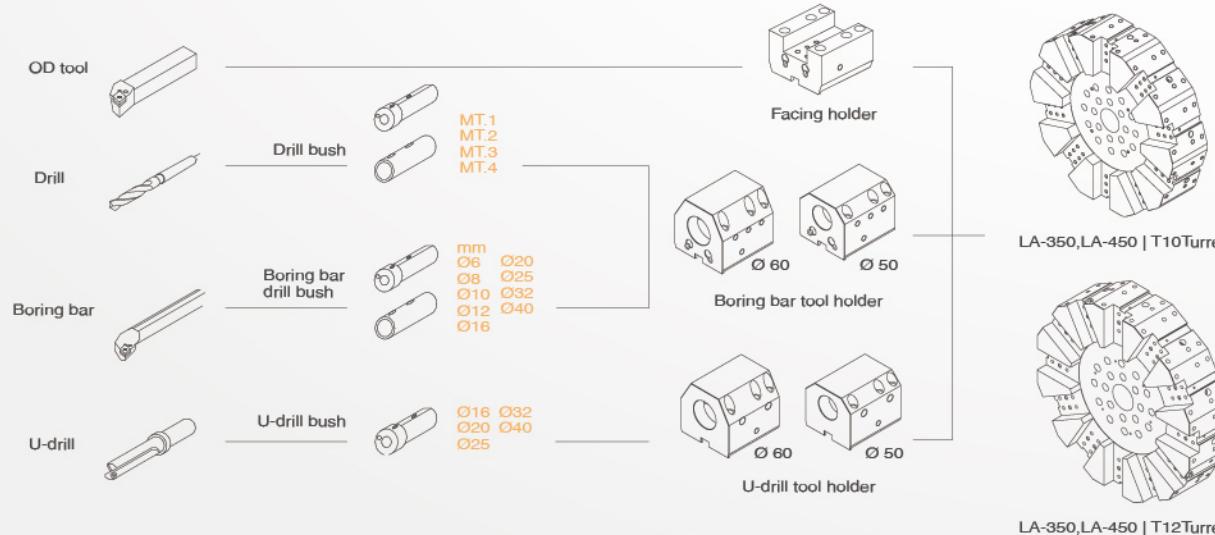
LA-350 L8 | LA-450 L8



LA-350 L16/L22 | LA-450 L16/L22



Tooling system



Specifications

Remark1 : () Option

Item	Unit	LA-350 L8/L16/L22	LA-450 L8/L16/L22
Capacity			
Max. swing	mm	780	780
Std. turning diameter	mm	330 266(T12)	330 266(T12)
Max. turning diameter	mm	550	550
Max. turning length	mm	800/1600/2240	800/1600/2240
Bar capacity	mm	117	150
Travel			
X axis travel	mm	290	290
Z axis travel	mm	850/1650/2290	850/1650/2290
Spindle			
Gear change step		2 step	2 step
Spindle nose		A2-11	A2-11
Chuck size		12"(15")	18"(20")
Spindle speed	rpm	2500(2000)	1800(1500)
Through hole diameter	mm	126	162
Turret			
Number of tools		T10(T12)	T10
Turning tool shank	mm	32	32
Boring bar shank diameter	mm	50	50/60
Tailstock			
Tailstock travel	mm	850/1650/2290	850/1650/2290
Tailstock spindle diameter	mm	150	150
Taper hole of tailstock spindle		MT.5	MT.5
Tailstock spindle travel	mm	150	150
Feedrate			
X axis rapid traverse rate	m/min	16	16
Z axis rapid traverse rate	m/min	20/20/16	20/20/16
Motor			
Spindle drive motor	kW	18.5/22(22/26)	22/26(30/37)
Turret index motor	kW	1.2	1.2
X axis drive motor	kW	3(4)	4
Z axis drive motor	kW	4(7)	7
Size			
Height	mm	2150	2150
Width	mm	5287/6336/7136	5287/6336/7136
Depth	mm	2047/2119/2119	2047/2119/2119
Weight	kg	8000/9000/11200	8100/9100/11300

※ Specifications are subject to change without notice.



Standard and optional accessories

☆ : Standard accessories --- : NO ○ : Optional accessories

Item	LA-350	LA-450
Accessories		
Hi-low Gearbox Spindle	☆	☆
Hydraulic servo turret	☆	☆
Hydraulic tailstock	☆	☆
Automatic PIN tailstock base	☆	☆
Boring bar tool holder (4PCS)	☆	☆
U-drill tool holder (1PCS)	☆	☆
OD tool holder(1PCS)	☆	☆
Boring bar bush ø6,ø8,ø10,ø12,ø16	☆	☆
Boring bar bush ø20,ø25,ø32,ø40	☆	☆
U-drill bush ø16,ø20,ø25,ø32,ø40	☆	☆
Drill bush MT.1,MT.2,MT.3,MT.4	☆	☆
Hanger(2PCS)	○	○
Leveling pad	☆	☆
Wedge	☆	☆
Working lamp	☆	☆
Tool box	☆	☆
Operation manual	☆	☆
Hydraulic chuck	☆	☆
Lubricant oil	☆	☆
Foot switch	☆	☆
Optional accessories		
Chip conveyor & chip cart	○	○
Tool setter	○	○
Barfeeder & Interface	○	○
Air blow	○	○
Automatic Power-off	○	○
Parts counter	○	○
Manual steady rest	○	○
Hydraulic steady rest	○	○
Rotating tail stock	○	○
Oil cooler	○	○
Oil mist collector	○	○

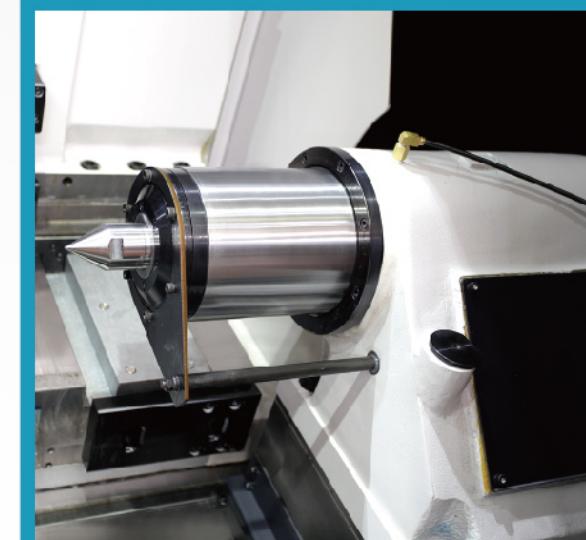
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lubricant oil



Manual steady rest



Rotating tail stock

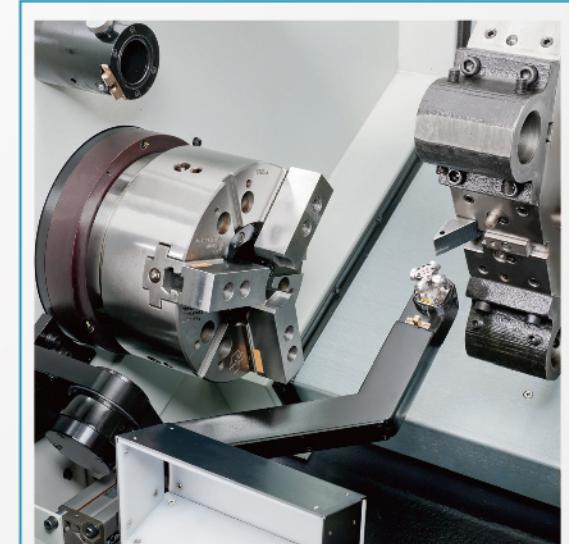
High thrust and clamping forces provide maximum stability especially when working with long workpieces.



Chip conveyor



Oil cooler



Tool setter