

LA-250 SERIES

TAKISAWA[®]
TAIWAN

LA250[L]
LA-250M[L]
LA-250Y[L]

CNC
LATHE



BUILT TO JAPANESE QUALITY STANDARDS BY TAIWAN TAKISAWA.



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LA-250 SERIES

- LA250[L] Turning
- LA-250M[L] Turning and Milling
- LA-250Y[L] Turning and Milling with Y axis



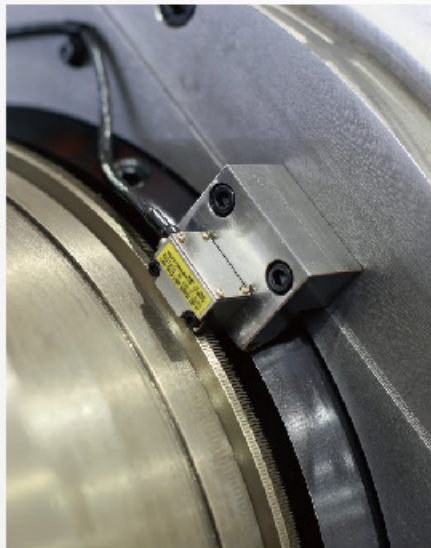
LA-250 Series

High Performance Model Range

- Modulized structure with optional C axis and Y axis.
- Box way design for all machining axes.
- Takisawa in-house turret and spindle featuring high rigidity and accuracy with easy maintenance.
- Minimum footprint, maximum working space.
- High productivity to investment cost ratio.



Spindle specifications

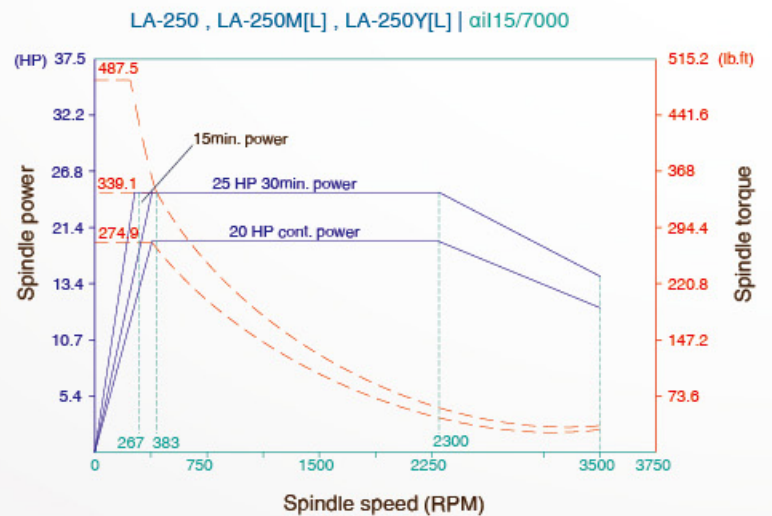


The LA series with C-axis positioning allows driven tool milling avoiding artifacts generated by compounding movement errors, giving higher accuracy with shorter process times and less effort.



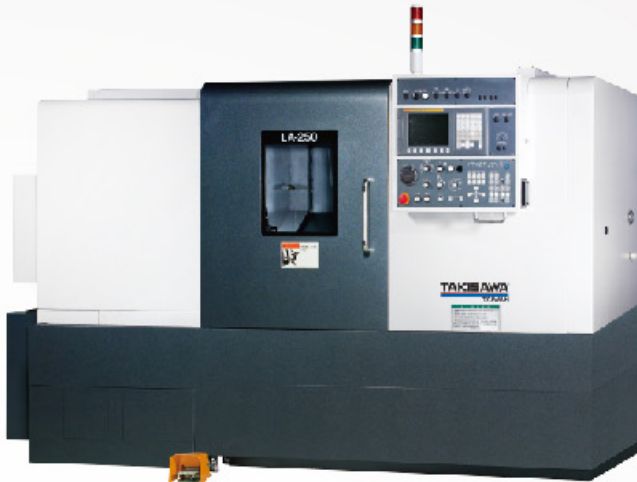
Spindle output diagram

Powered by FANUC MOTOR for high stability & high accuracy.



LA

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LA-250[L] Specifications

Max. swing	22.8 inch
Max. turning length	28.3[44] inch
Max. turning diameter	17.7 inch
Max. bar work capacity	3 inch
Spindle speed	3500 rpm
Chuck size	10"



LA-250M[L] Specifications

Max. swing	22.8 inch
Max. turning length	26.9[42.6] inch
Max. turning diameter	16.5 inch
Max. bar work capacity	3 inch
Spindle speed	3500 rpm
Chuck size	10"



LA-250Y[L] Specifications

Max. swing	22.8 inch
Max. turning length	27.4[43.1] inch
Max. turning diameter	13.8 inch
Max. bar work capacity	3 inch
Spindle speed	3500 rpm
Chuck size	10"

※ Specifications are subject to change without notice.



LA-250 Series



Travel & Feedrate

LA-250[L]

X axis travel	10 inch
X axis rapid traverse rate	630 ipm
Z axis travel	31.5[47.2] inch
Z axis rapid traverse rate	787 ipm

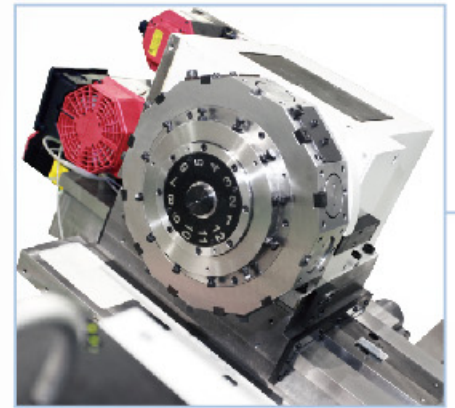
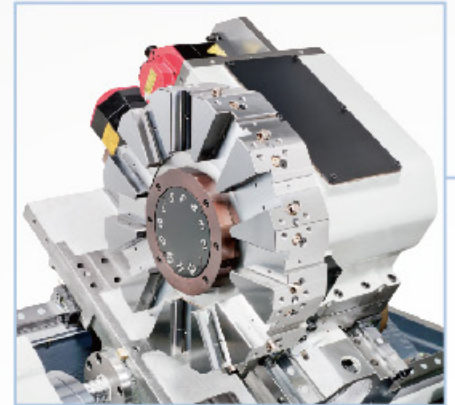
LA-250M[L]

X axis travel	10 inch
X axis rapid traverse rate	630 ipm
Z axis travel	31.5[47.2] inch
Z axis rapid traverse rate	787 ipm

LA-250Y[L]

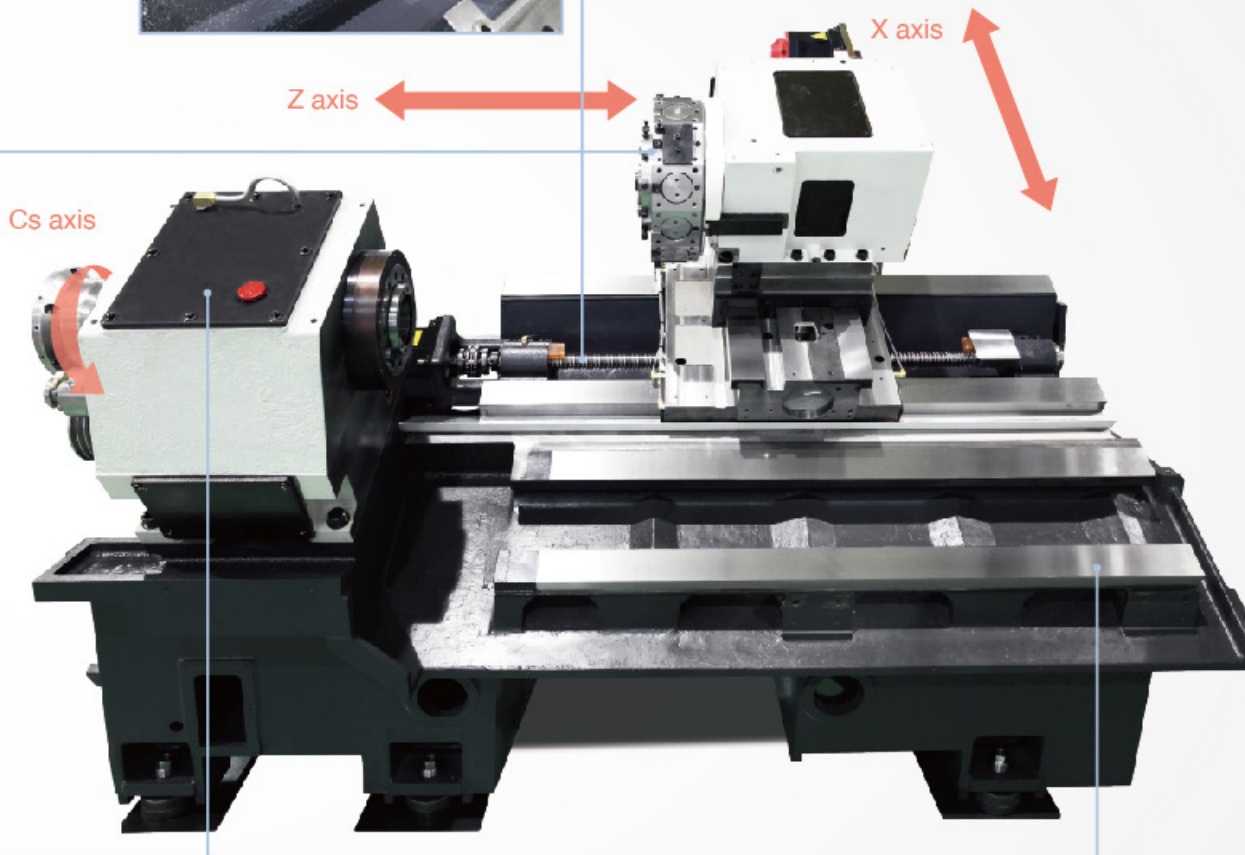
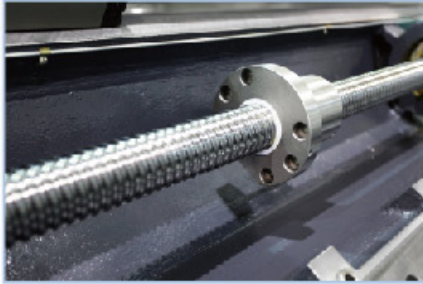
X axis travel	8.7 inch
X axis rapid traverse rate	630 ipm
Z axis travel	31.5[47.2] inch
Z axis rapid traverse rate	787 ipm
Y axis travel	±2 inch
Y axis rapid traverse rate	315 ipm

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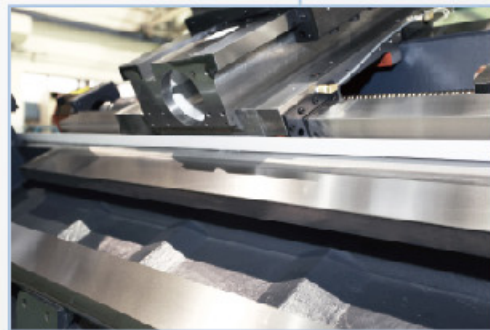
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The heavy duty one-piece slant bed machine base is an extremely rigid structure and together with its heavy duty box way design promotes the highest machining accuracy.

Its design also allows ample space for chip flow and easy clearance of debris away from the machining process.





Turret specifications



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



Milling turret

LA-250M[L]

Motor	5/7.5 HP
Milling speed	4000 rpm
Live tool collet	ER32

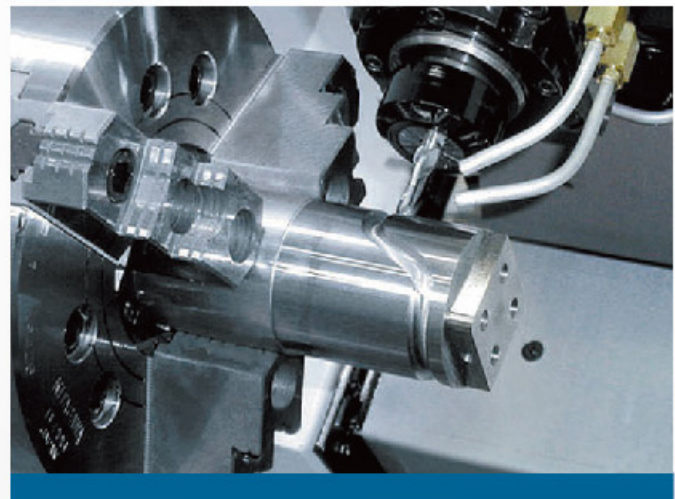
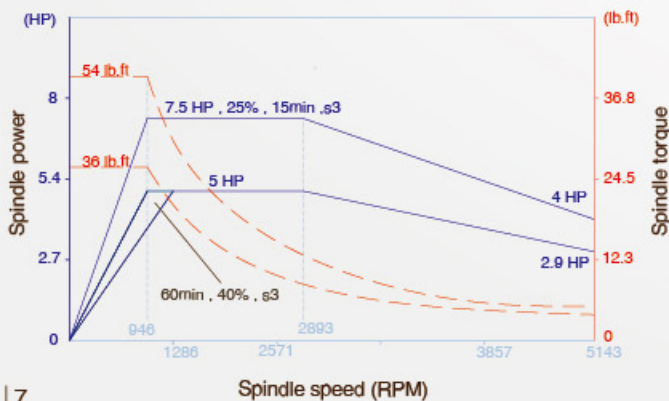
LA-250Y[L]

Motor	5/7.5 HP
Milling speed	4000 rpm
Live tool collet	ER32



Power chart of milling tool

LA-250M[L] , LA-250Y[L]



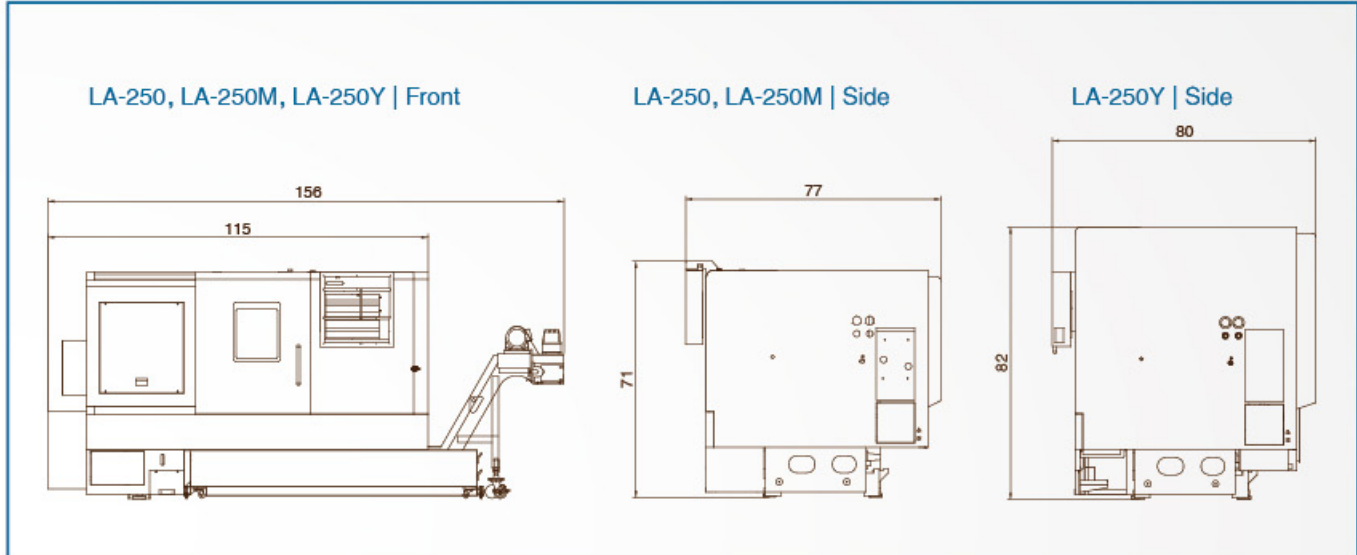


Machine dimensions

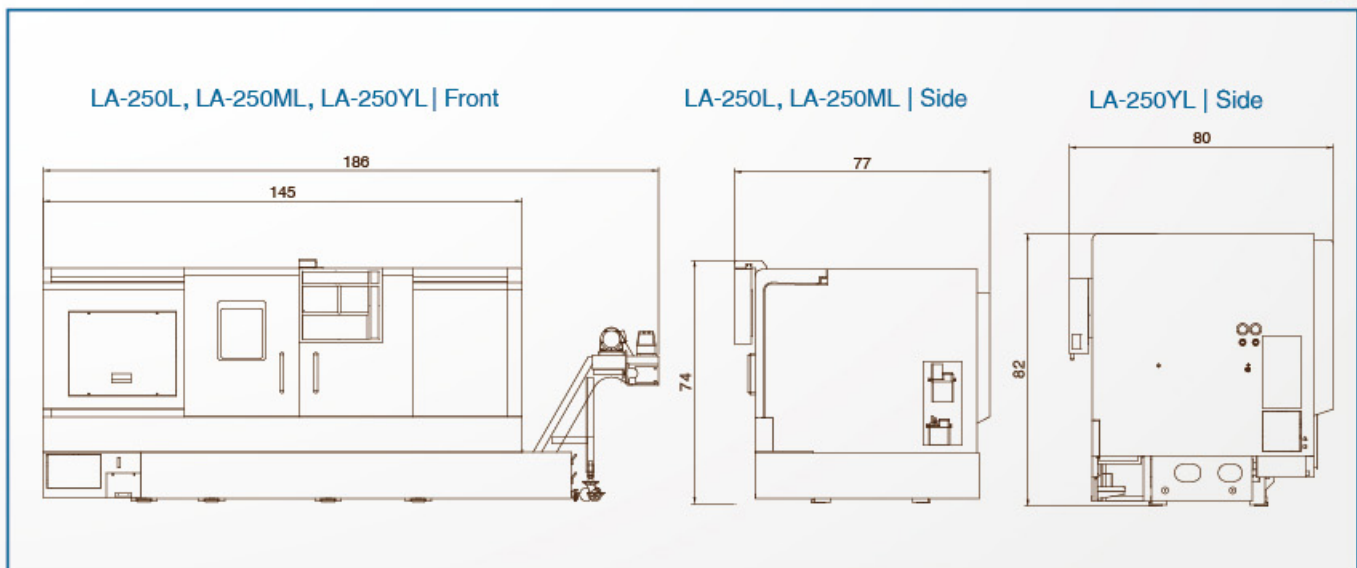
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Unit : inch



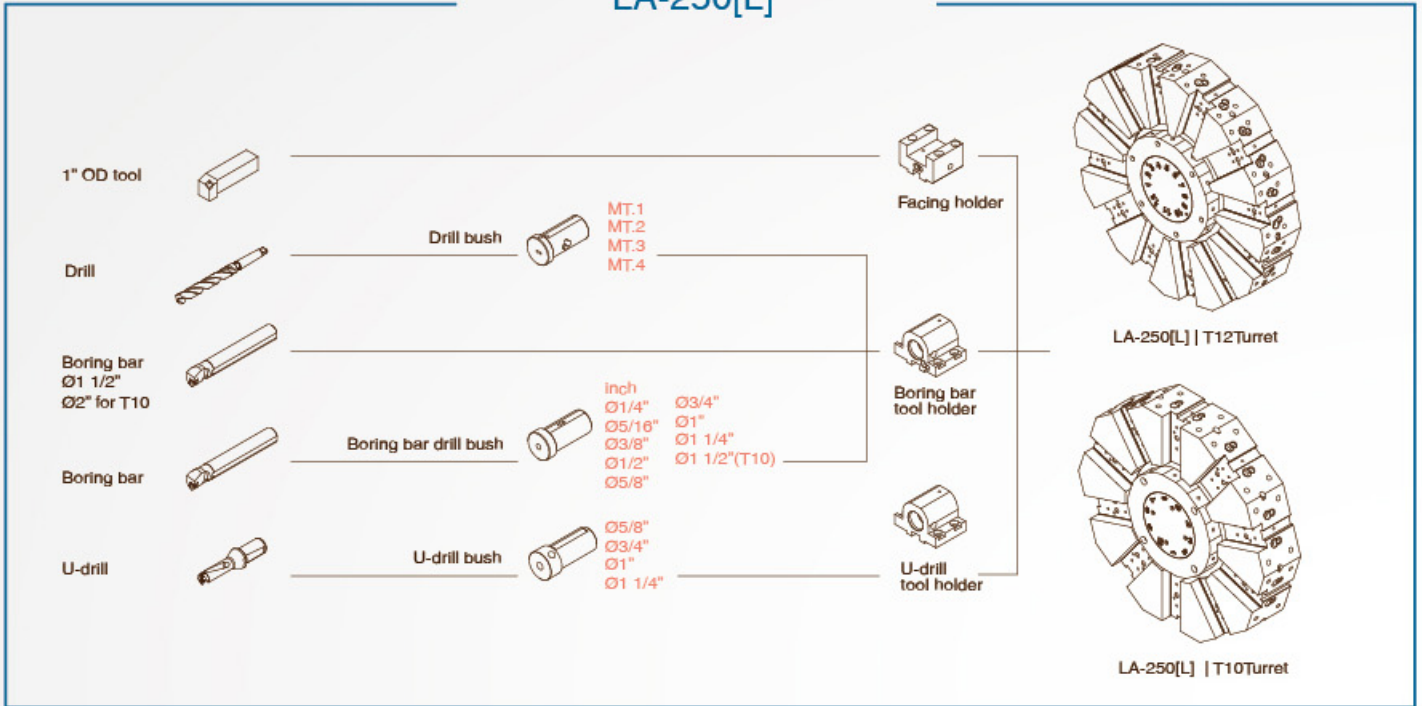
Unit : inch



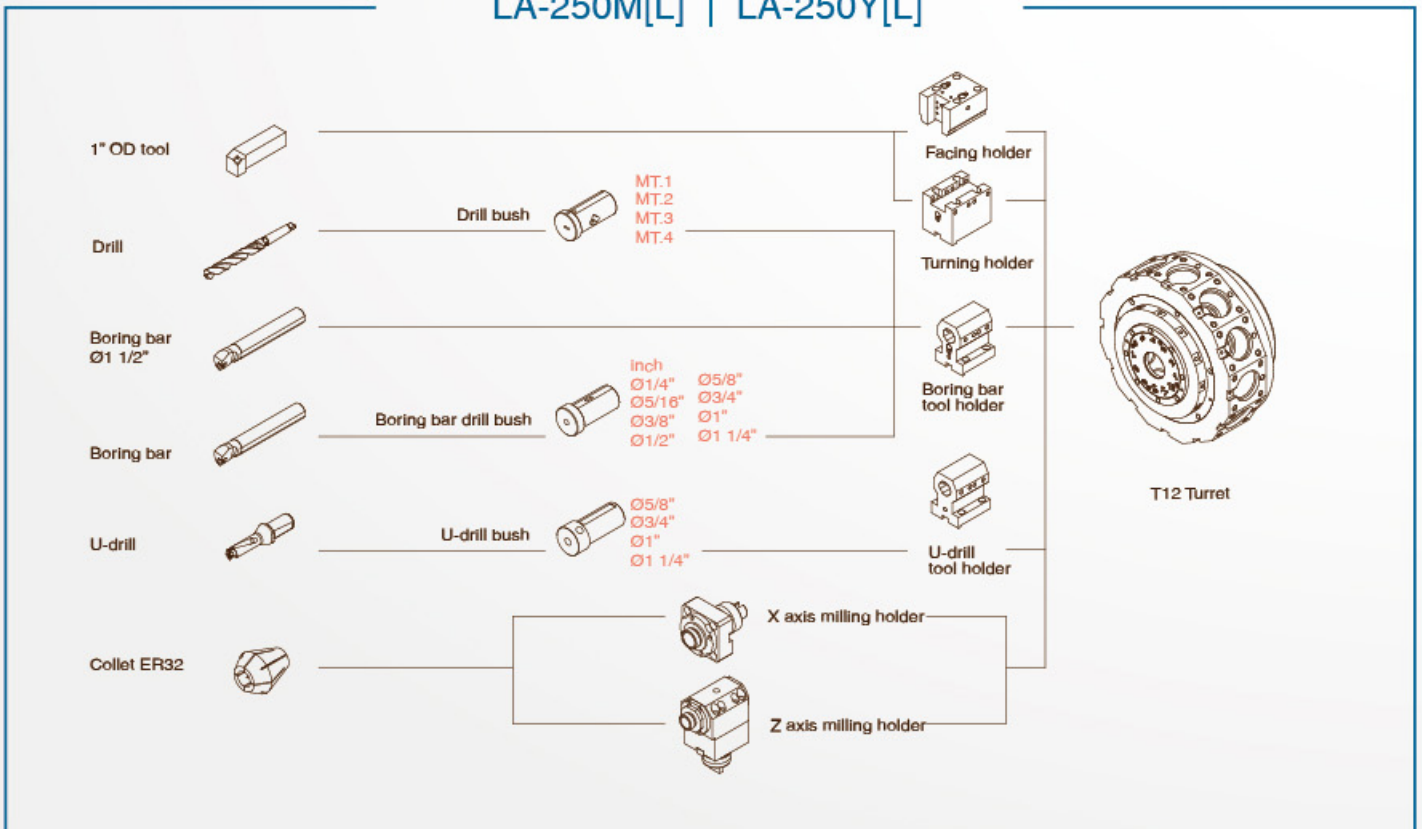


Tooling system

LA-250[L]



LA-250M[L] | LA-250Y[L]





Specifications

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Remark1 : () Option

Remark2 : M : Milling Y : Y axis

※ Specifications are subject to change without notice.

Item	Unit	LA-250[L]	LA-250M[L]	LA-250Y[L]
Capacity				
Max. swing	inch	22.8	22.8	22.8
Std. turning diameter	inch	11.8(T10) 10(T12)	9.6	9.6
Max. turning diameter	inch	17.7	16.5	13.8
Max. turning length	inch	28.3[44]	26.9[42.6]	27.4[43.1]
Max. bar work capacity	inch	3	3	3
Travel				
X axis travel	inch	10	10	8.7
Z axis travel	inch	31.5[47.2]	31.5[47.2]	31.5[47.2]
Y axis travel	inch	---	---	+2
Spindle				
Spindle speed	rpm	3500	3500	3500
Chuck size		10"	10"	10"
Spindle nose		A2-8	A2-8	A2-8
Through hole diameter	inch	3.4	3.4	3.4
Bearing diameter	inch	4.7	4.7	4.7
Turret				
Number of tools		T10(T12)	T12	T12
Turning tool shank	inch	1	1	1
Boring bar shank diameter	inch	T10(2) T12(1.5)	1.5	1.5
Milling tool shank diameter	inch	---	0.75	0.75
Tailstock				
Tailstock travel	inch	28.7[44.5]	28.7[44.5]	28.7[44.5]
Tailstock spindle diameter	inch	4.3	4.3	4.3
Taper hole of tailstock spindle		MT.5	MT.5	MT.5
Tailstock spindle travel	inch	5.9	5.9	5.9
Feedrate				
X axis rapid traverse rate	ipm	630	630	630
Z axis rapid traverse rate	ipm	787	787	787
Y axis rapid traverse rate	ipm	---	---	315
Motor				
Spindle drive motor	HP	25/20	25/20	25/20
Milling motor	HP	---	7.5/5	7.5/5
Turret index motor	HP	1.6	1.6	1.6
X axis drive motor	HP	2.4	2.4	3.6
Z axis drive motor	HP	3.6	3.6	3.6
Y axis drive motor	HP	---	---	3.6
Size				
Length	inch	115[145]	115[145]	115[145]
Height	inch	71[74]	71[74]	82[82]
Width	inch	77[77]	77[77]	80[80]
Weight	lb	9925[16430]	10035[16540]	13670[20510]



Standard and optional accessories

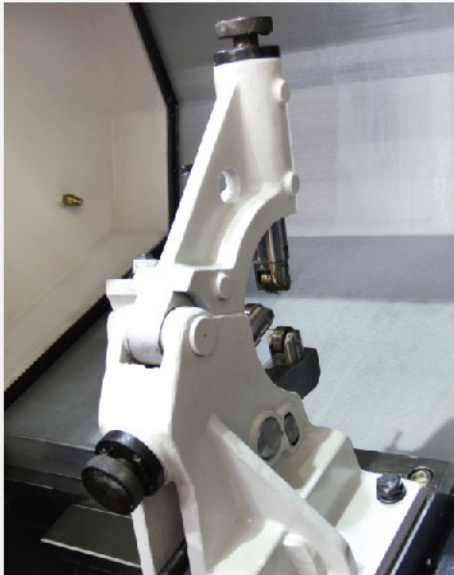
Standard accessories

- | | |
|-------------------------------|---------------------|
| 1.Variable speed spindle | 7.Wedge |
| 2.Hi-low Gearbox Spindle | 8.Working lamp |
| 3.Hydraulic servo turret | 9.Tool box |
| 4.Hydraulic tailstock | 10.Operation manual |
| 5Automatic PIN tailstock base | 11.Hydraulic chuck |
| 6.Leveling pad | 12.Foot switch |

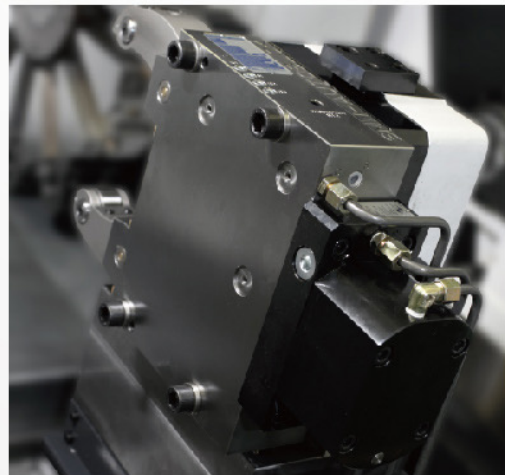
Optional accessories

- | | |
|-----------------------------|--------------------------|
| 1.Chip conveyor & chip cart | 8.Parts counter |
| 2.Tool setter | 9.Collet chuck |
| 3.Parts catcher | 10.Manual steady rest |
| 4.Parts conveyor | 11.Hydraulic steady rest |
| 5.Barfeeder & Interface | 12.Rotating tail stock |
| 6.Air blow | 13.Oil mist collector |
| 7Automatic Power-off | |

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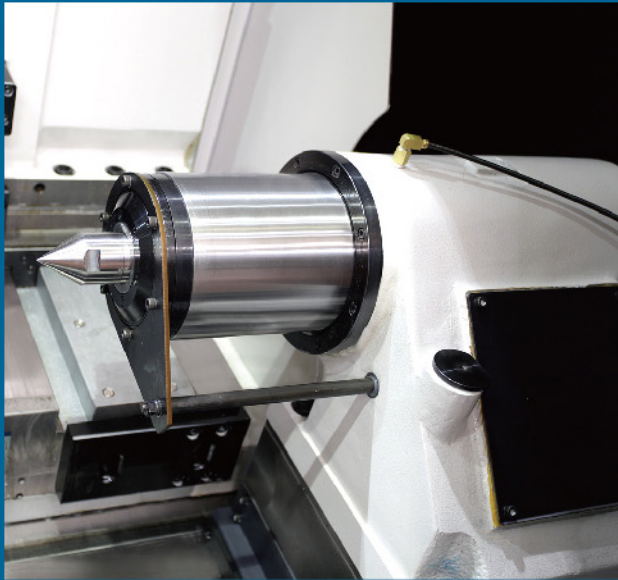
Manual steady rest



Hydraulic steady rest

LA

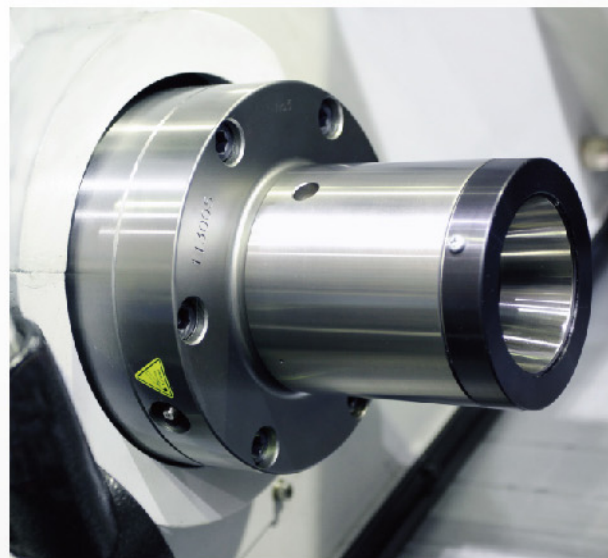
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Rotating tail stock
High thrust and clamping forces provide maximum stability especially when working with long workpieces.



Tool setter



Collet chuck



Parts catcher



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