

LA-200 SERIES

TAKISAWA[®]
TAIWAN

LA200[L]
LA-200M[L]

CNC
LATHE

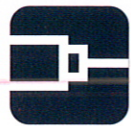




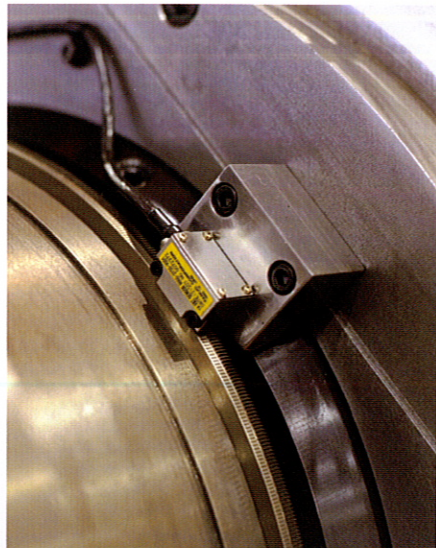
LA-200 Series

High Performance Model Range

- Modulized structure with optional C 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.



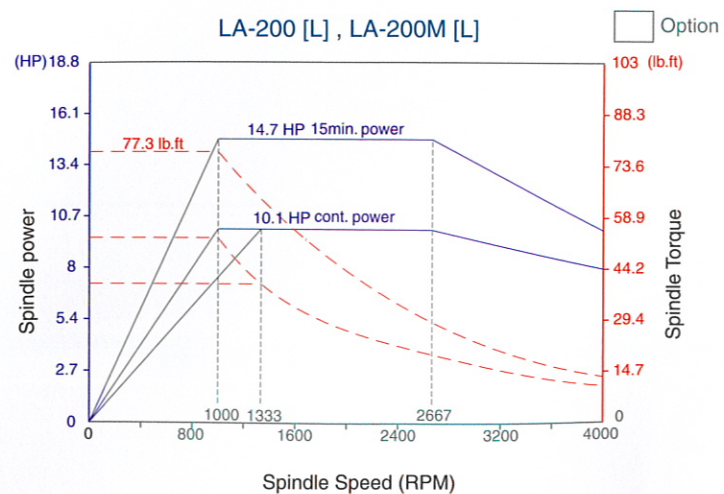
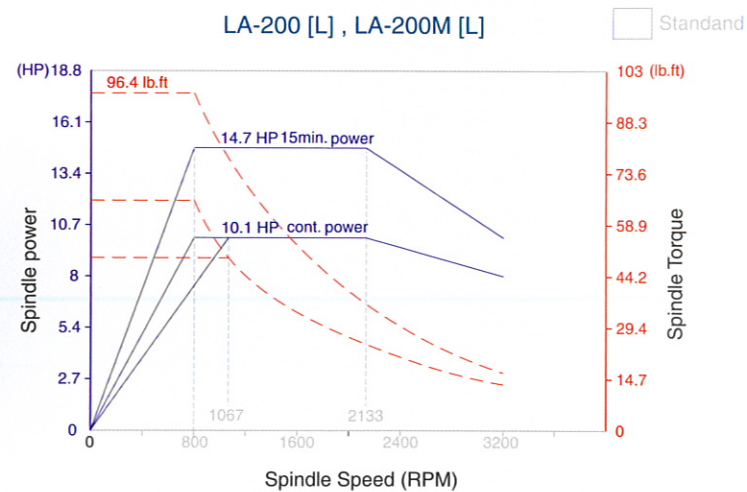
Spindle specifications



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



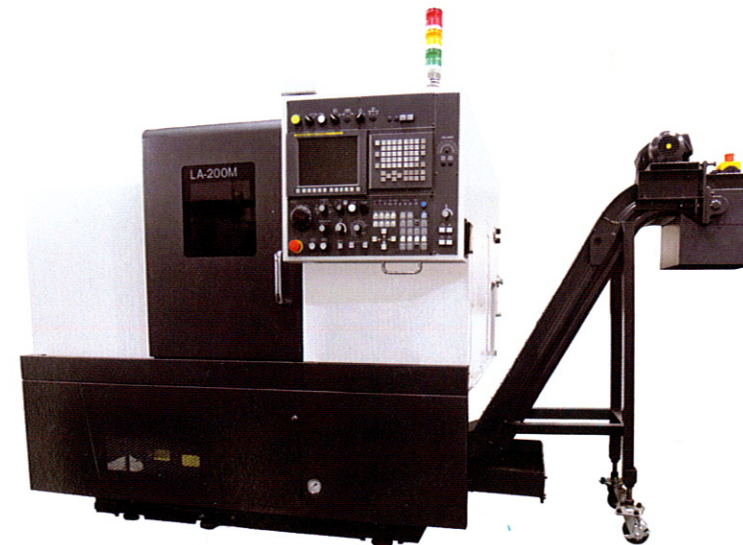
LA

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LA-200 [L] Specifications

- Max. swing — 18.5 inch
- Max. turning length — 11.8 [23.6] inch
- Max. turning diameter — 12.6(T12) inch
- Max. bar work capacity — 2 inch
- Spindle speed — 3200 rpm
- Chuck size — 8"



LA-200M [L] Specifications

- Max. swing — 18.5 inch
- Max. turning length — 11.2 [23] inch
- Max. turning diameter — 9.8 inch
- Max. bar work capacity — 2 inch
- Spindle speed — 3200 rpm
- Chuck size — 8"

※ Specifications are subject to change without notice.



LA-200 Series

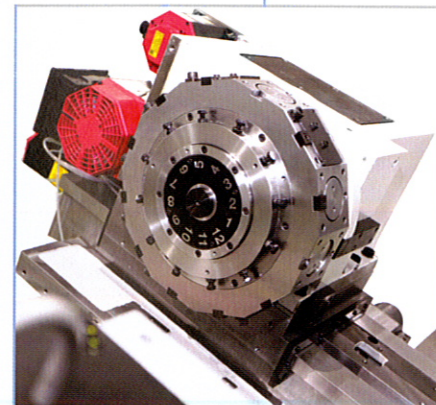
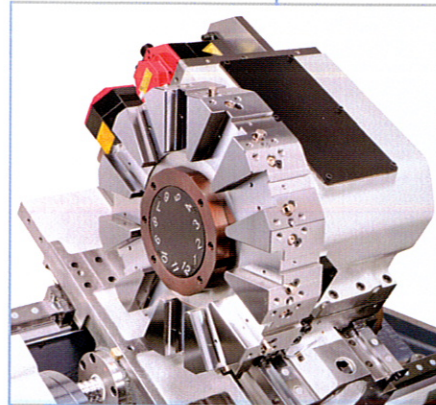
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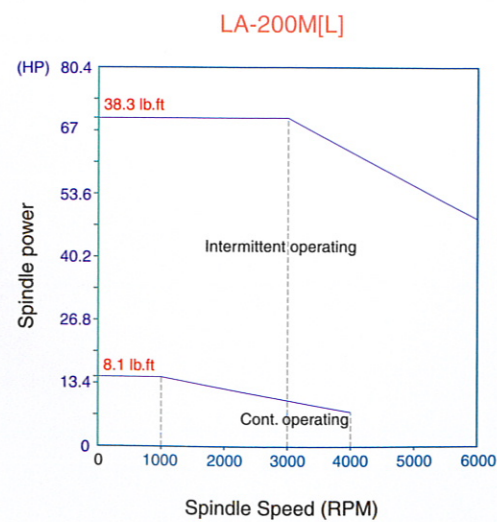
Travel & Feedrate

LA-200 [L] | LA-200M [L]

- X axis travel ————— 6.9(T12) inch
- X axis rapid traverse rate — 945 ipm
- Z axis travel ————— 14.8 [26.6] inch
- Z axis rapid traverse rate — 945 ipm



Power chart of milling tool

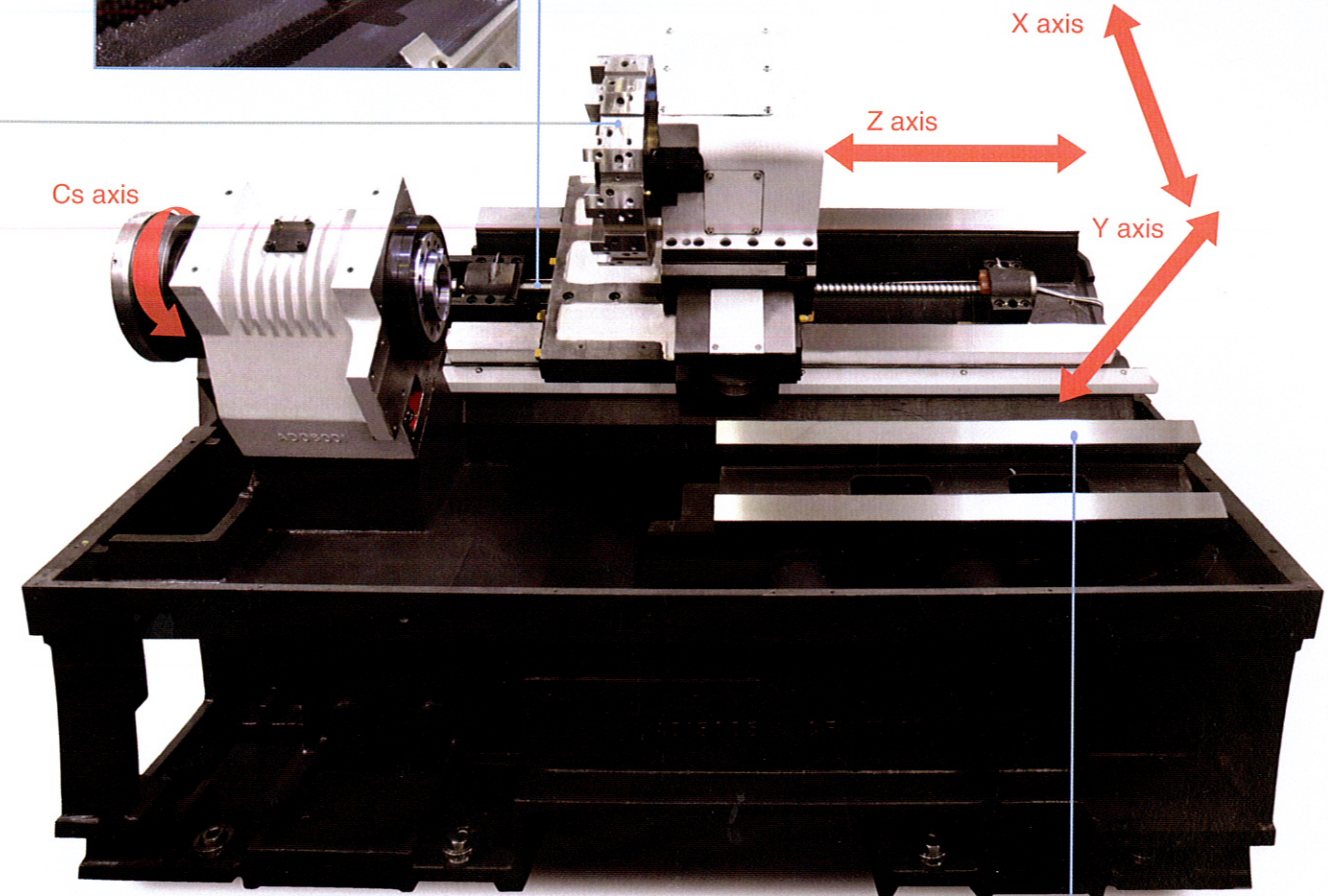
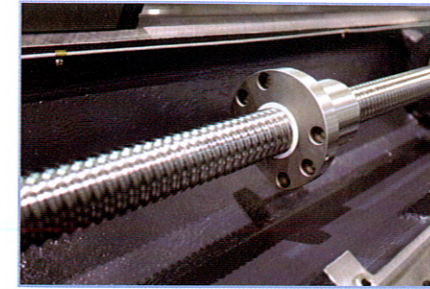


The turret is designed for extreme rigidity through its wide and heavy build, inclusion of heavy duty oversized couplings and enhanced clamping pressure.



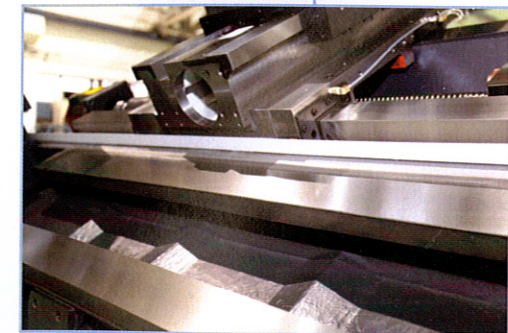
Milling turret

- LA-200M [L]
- Motor ————— 2.9 HP
- Milling speed ————— 6000 rpm
- Live tool collet ————— ER20



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.

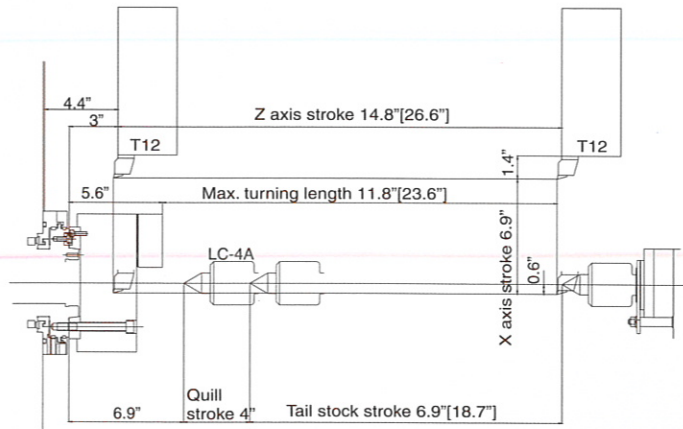
Its design also allows ample space for chip flow and easy clearance of debris away from the machining process.



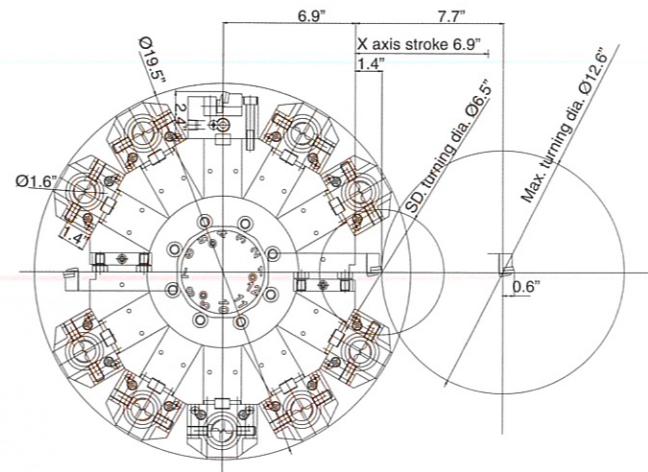


Working range | Interference diagram

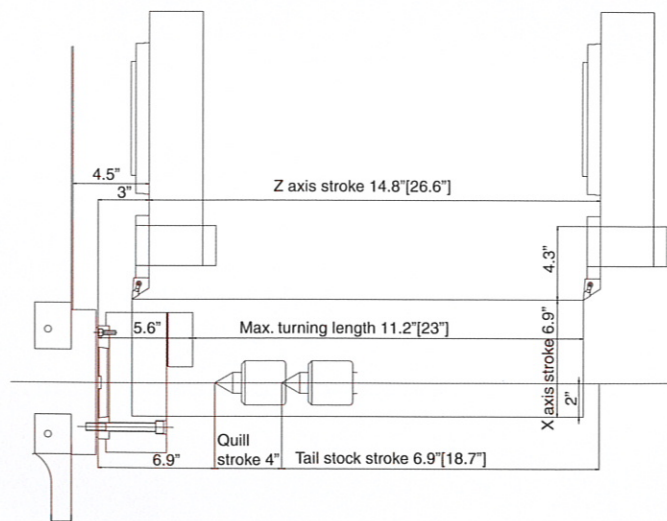
LA-200 [L] Working Range



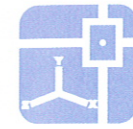
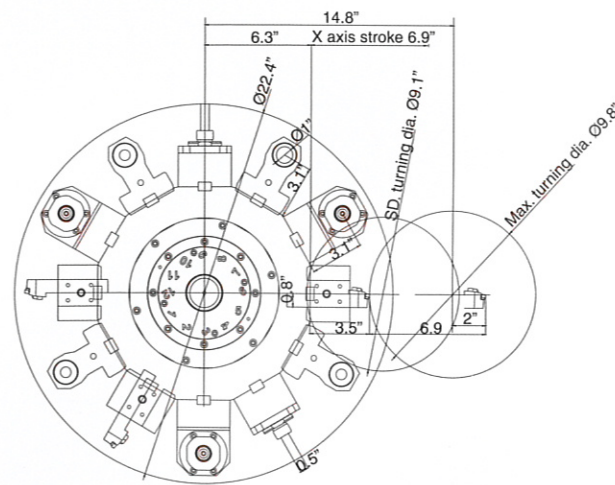
LA-200[L] Interference Diagram



LA-200M [L] Working Range



LA-200M [L] Interference Diagram



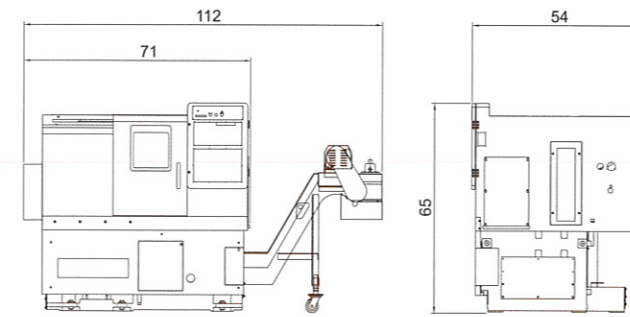
Machine dimensions

Unit : inch

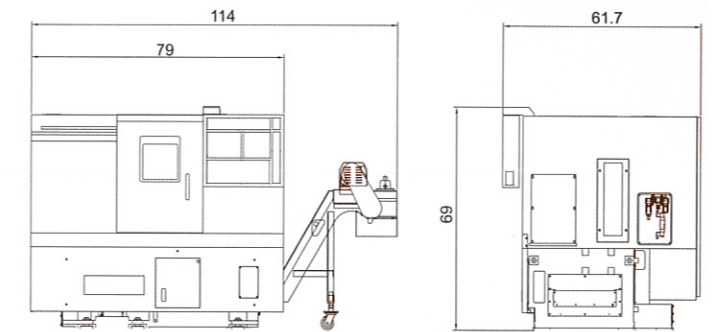
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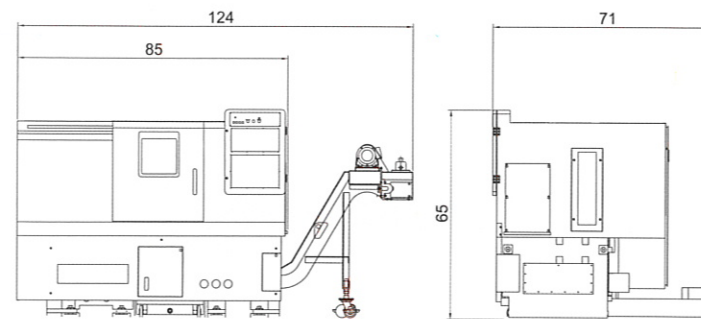
LA-200 Machine dimensions



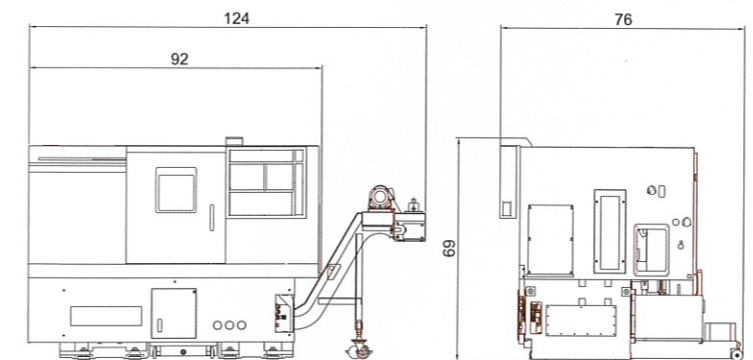
LA-200M Machine dimensions



LA-200L Machine dimensions

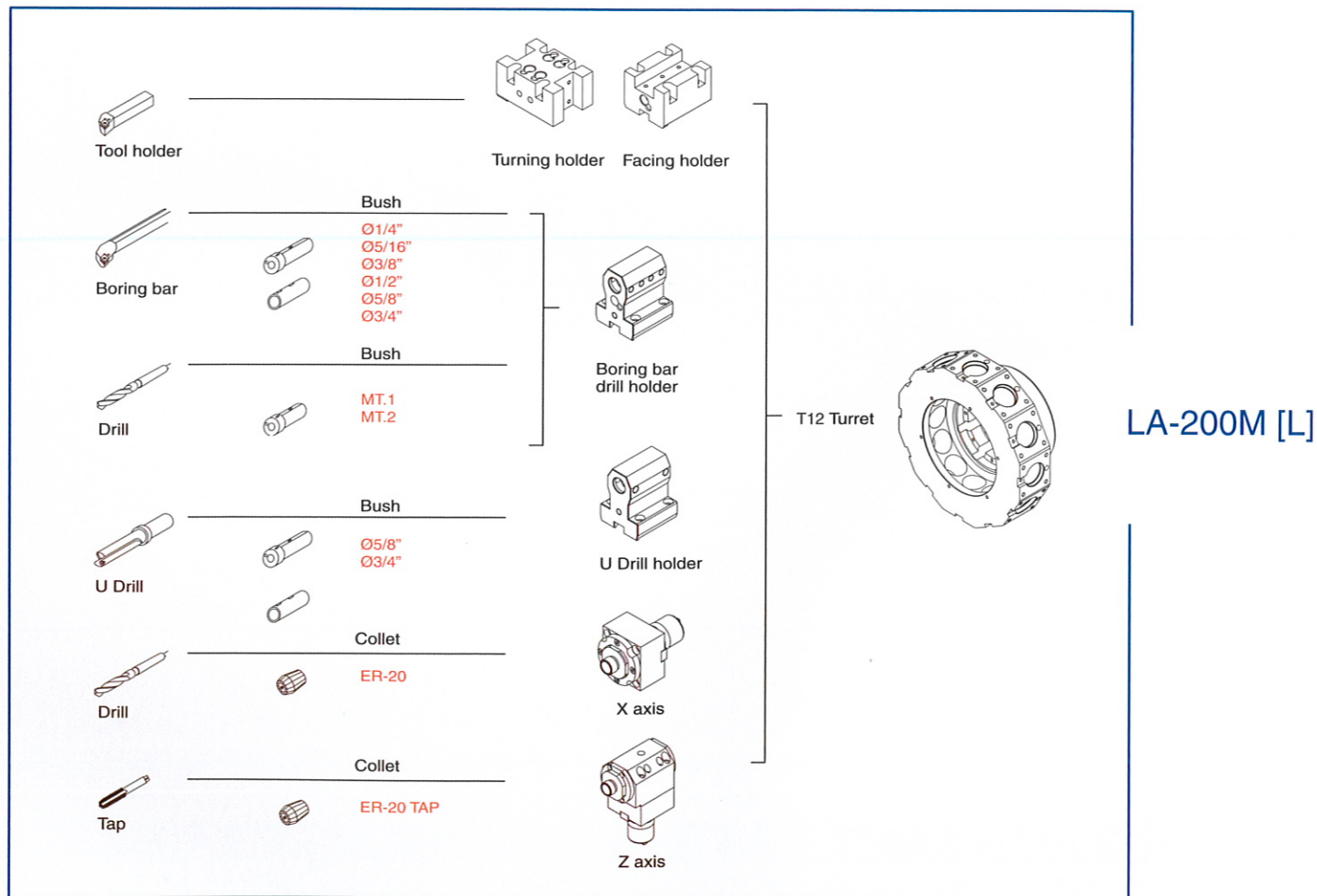
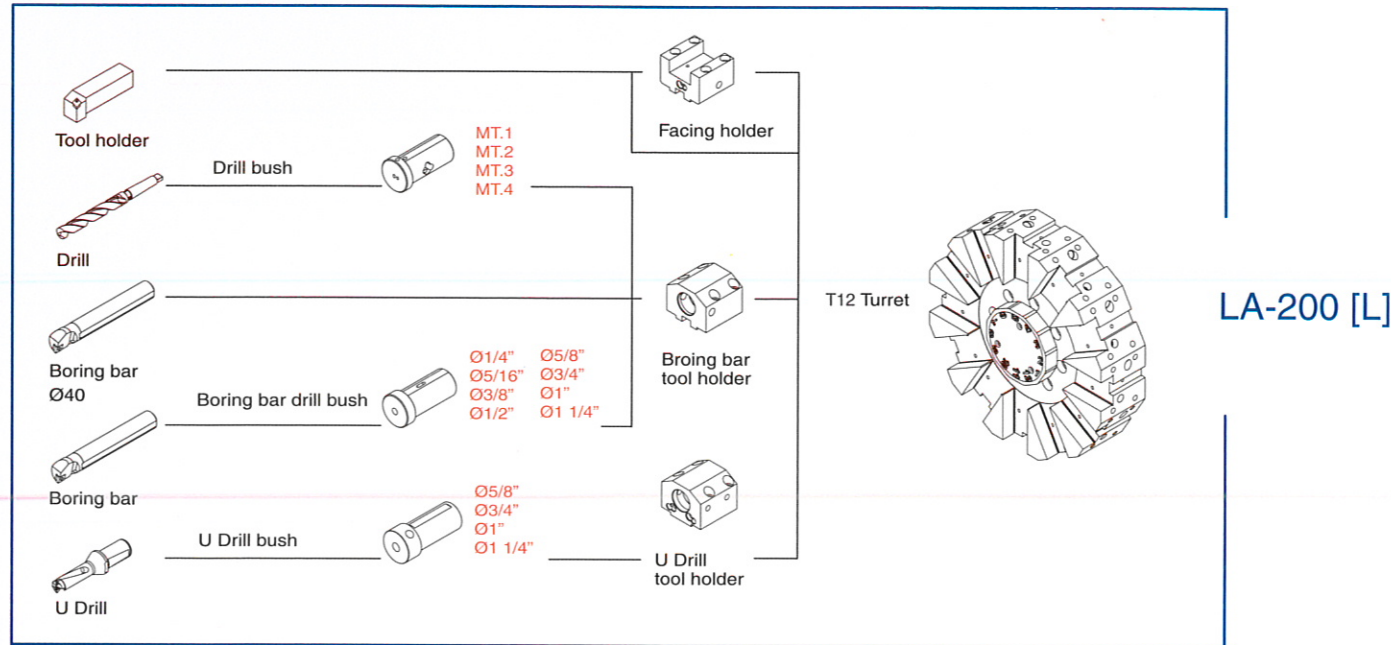


LA-200ML Machine dimensions





Tooling system



Specifications

Remark1 : () Option
 Remark2 : M : Milling L : Long Z axis travel
 Remark3 : LA-200 Series Max. turning length with Strong N-208 calculations.

Item	Unit	LA-200	LA-200L	LA-200M	LA-200ML
Capacity					
Max. swing	inch	18.5		18.5	
Std. turning dia.	inch	6.5		7.9	
Max. turning dia.	inch	12.6		9.8	
Max. turning length	inch	11.8	23.6	11.2	23
Max. bar work capacity	inch	2		2	
Travel					
X axis travel	inch	6.9		6.9	
Z axis travel	inch	14.8	26.6	14.8	26.6
Y axis travel	inch	---		---	
Spindle					
Spindle speed	rpm	3200(4000)		3200(4000)	
Chuck size		8"		8"	
Spindle nose		A2-6		A2-6	
Through hole dia.	inch	2.5		2.5	
Bearing diameter	inch	3.9		3.9	
Turret					
Number of tools		T12		T12	
Turning tool shank	inch	1		0.8	
Boring bar shank dia.	inch	1.5		1	
Milling tool shank dia.	inch	---		0.5	
Tailstock					
Tailstock travel	inch	6.9	18.7	6.9	18.7
Tailstock spindle dia.	inch	2.95		2.95	
Taper hole of tailstock spindle		MT.4		MT.4	
Tailstock spindle travel	inch	3.9		3.9	
Feedrate					
X axis rapid traverse rate	ipm	945		945	
Z axis rapid traverse rate	ipm	945		945	
Y axis rapid traverse rate	ipm	---		---	
Motor					
Spindle drive motor	HP	15/10		15/10	
Milling motor	HP	---		2.9	
Turret index motor	HP	1.6		1.6	
X axis drive motor	HP	1.6		1.6	
Z axis drive motor	HP	1.9		2.4	
Y axis drive motor	HP	---		---	
Size					
Height	inch	65		69	
Length	inch	71	85	79	92
Width	inch	54	71	62	76
Weight	lb	7055	8380	7275	8710

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Standard and optional accessories

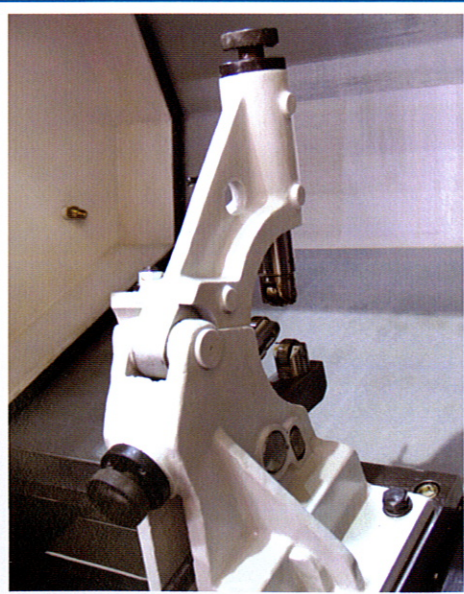
Standard accessories

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

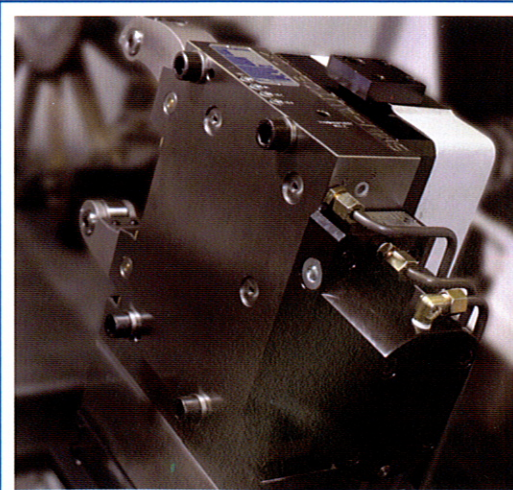
Optional accessories

- | | |
|------------------------------|---------------------------|
| 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 |
| 7. Automatic Power-off | |

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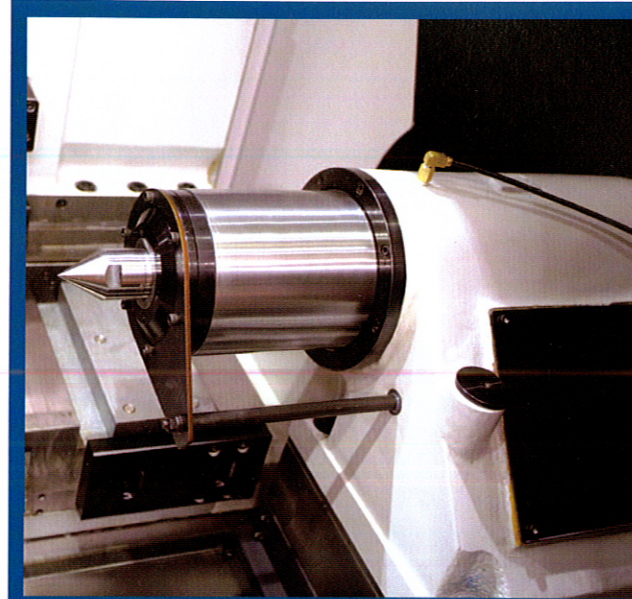
Manual steady rest



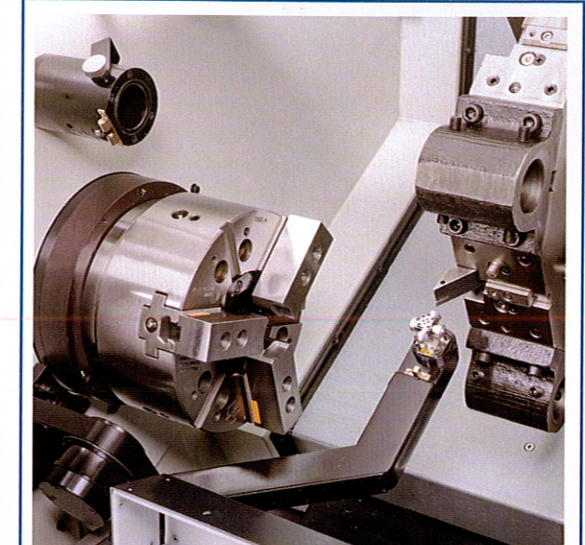
Hydraulic steady rest

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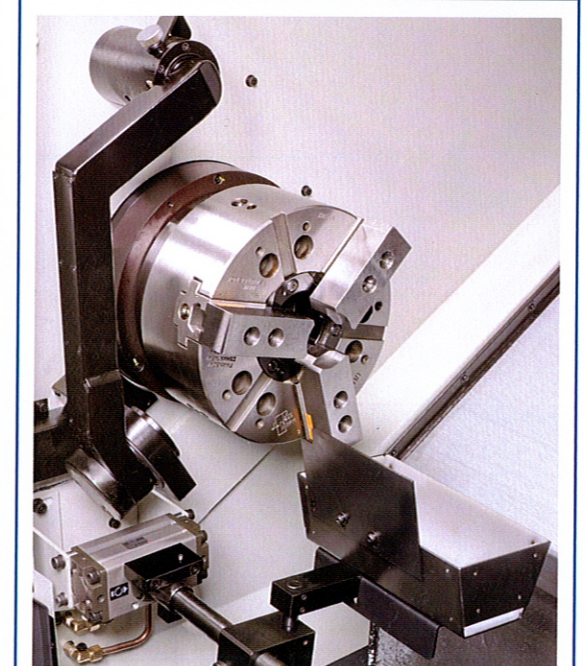
Rotating tail stock
High thrust and clamping forces provide maximum stability especially when working with long workpieces.



Tool setter



Collet chuck



Parts catcher



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