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TAIWAN

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**LA-250 Series**

LA-250 · LA-250L · LA-250M · LA-250ML · LA-250Y · LA-250YL

LA-300 · LA-300M · LA-300Y

**LA-300 Series**

**TAKISAWA®**  
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# LA-250 | LA-300 Series

LA-250/300 series is a economy turning center, there are various types of spindle, turret and tailstock in whole series, high-precision optional peripherals are also available.



## Specification Options

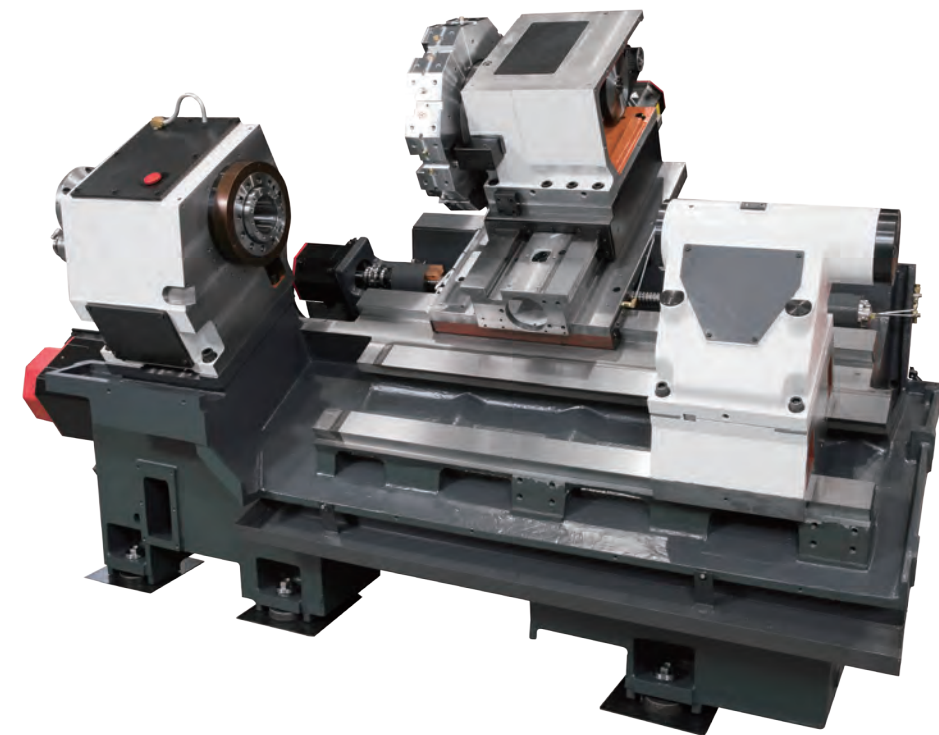
	LA-250[L]	LA-250M[L]	LA-250Y[L]	LA-300	LA-300M	LA-300Y
GearBox Spindle	⊙	⊙	⊙	⊙	⊙	⊙
P Motor Spindle	●	●	●	●	●	●
T10 Turning Turret	⊙	---	---	⊙	---	---
T12 Turning Turret	●	---	---	●	---	---
T12 Milling Turret	---	●	●	---	●	●
Y-Axis	---	---	●	---	---	●
Pin Carry Tailstock	●	●	●	●	●	●
Manual Tailstock	⊙	⊙	⊙	⊙	⊙	⊙

●:Standard ⊙:Optional ---:Nope

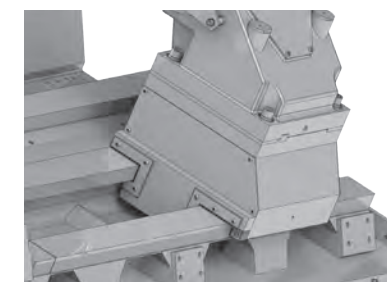
## Workpiece Size

※ Specifications are subject to change without notice.

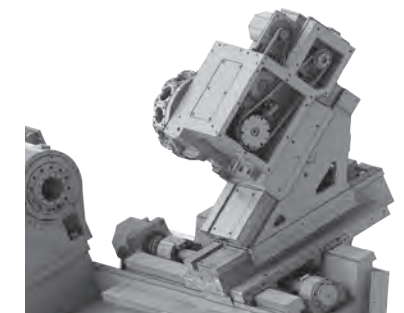
	LA-250[L]	LA-250M[L]	LA-250Y[L]	LA-300	LA-300M	LA-300Y
Max. Turning Diameter	450	420	350	450	420	350 mm
Max. Turning Length	767[1167]	733[1133]	746[1146]	1086	1052	1065 mm
Max. Bar Work Capacity Diameter	75	75	75	90	90	90 mm



The machine bed designed with internal gear lubrication box.



The tailstock rail is box guide design supports higher tailstock thrust.



The X/Y/Z-axis Box Ways design ensures dynamic rigidity and absorbs vibration to maintain accuracy with heavy cutting.

## Travel & Rapid Traverse

	LA-250[L]	LA-250M[L]	LA-250Y[L]	LA-300	LA-300M	LA-300Y
X-Axis Travel	255	255	220	255	255	220 mm
X-Axis Rapid Traverse	16	16	16	16	16	16 m/min
Z-Axis Travel	800[1200]	800[1200]	800[1200]	1200	1200	1200 mm
Z-Axis Rapid Traverse	20	20	20	20	20	20 m/min
Y-Axis Travel	---	---	±50	---	---	±50 mm
Y-Axis Rapid Traverse	---	---	8	---	---	8 m/min

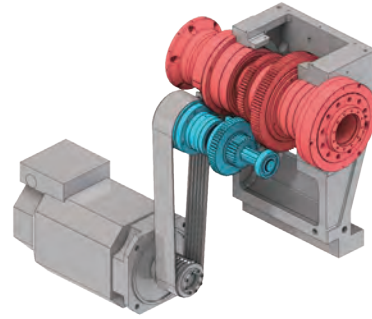
※ Specifications are subject to change without notice.



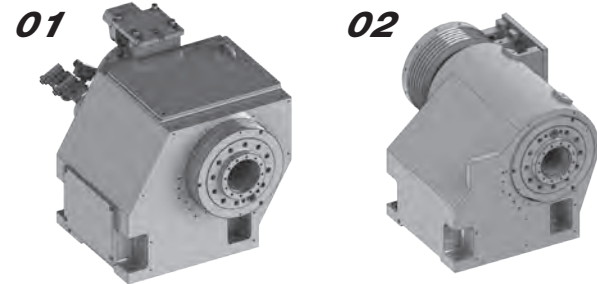
# Spindle

The spindle is made in house to ensure highest quality and reliability. There are two types: GearBox headstock and P motor headstock. These alternatives allow choices for precision, torque or cost effectiveness.

Motors, through-hole size, spindle speed ratios, nose etc can be amended when possible following a customised needs assessment.



The LA series uses the traditional Takisawa Gear Box spindle design which has been proven through many generations of highly reliable products.



## 01 GearBox

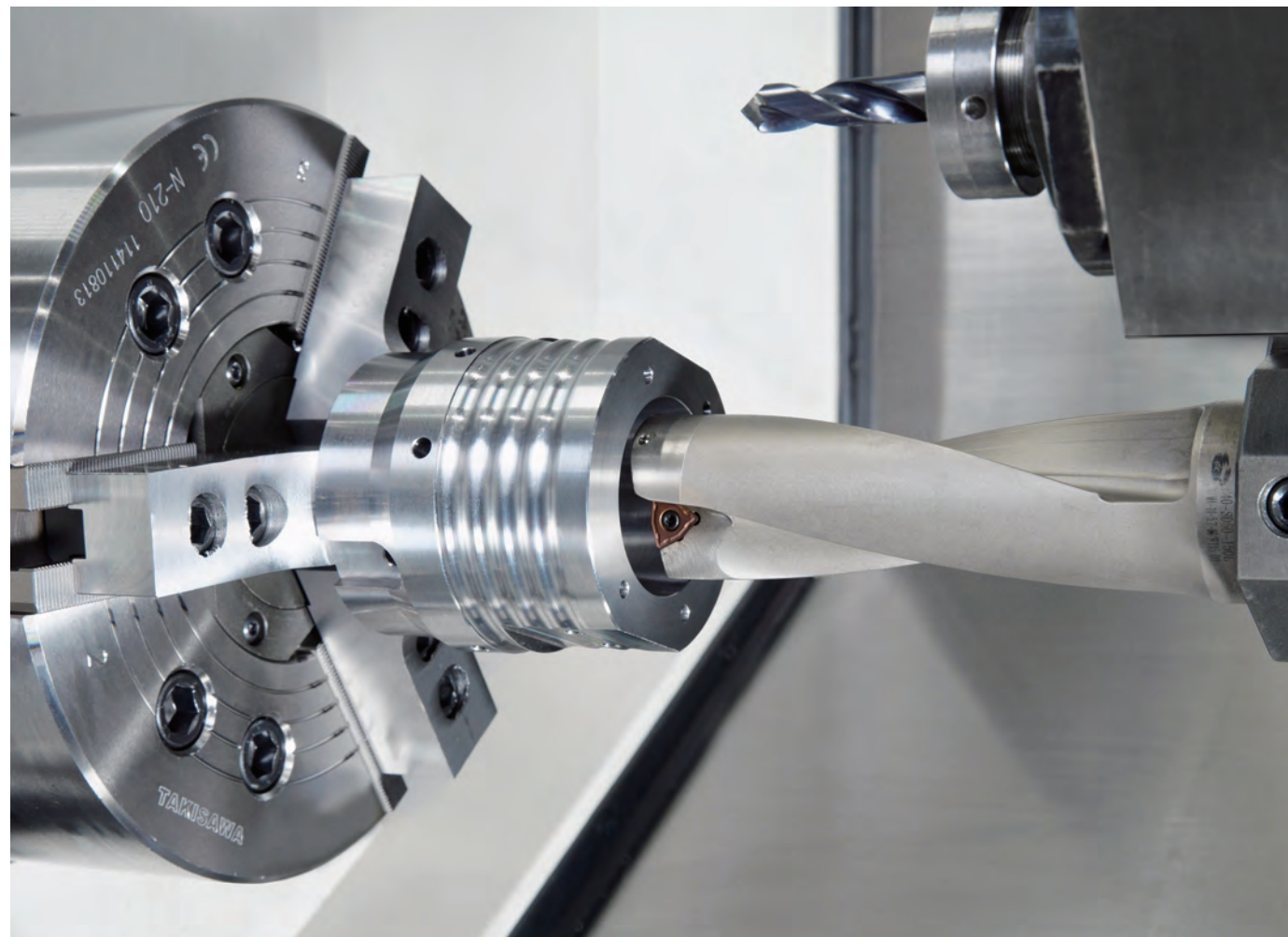
Switching between low and high speed settings allows large depth of cut and high torque.

## 02 P Motor

This is the most economical and highly reliable spindle option.

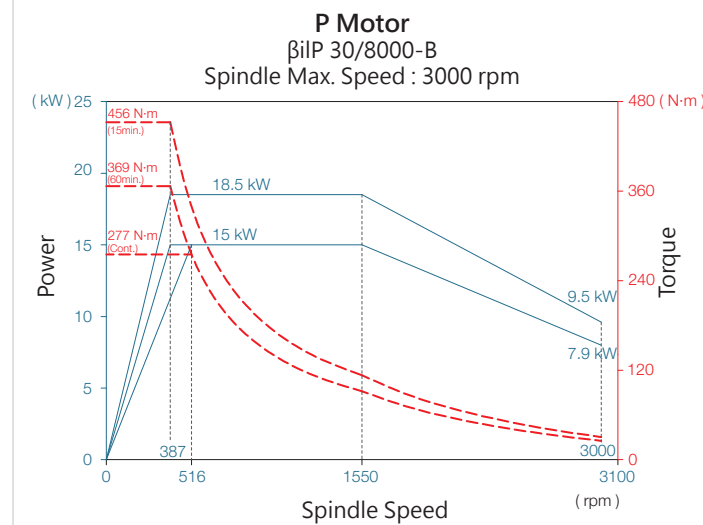
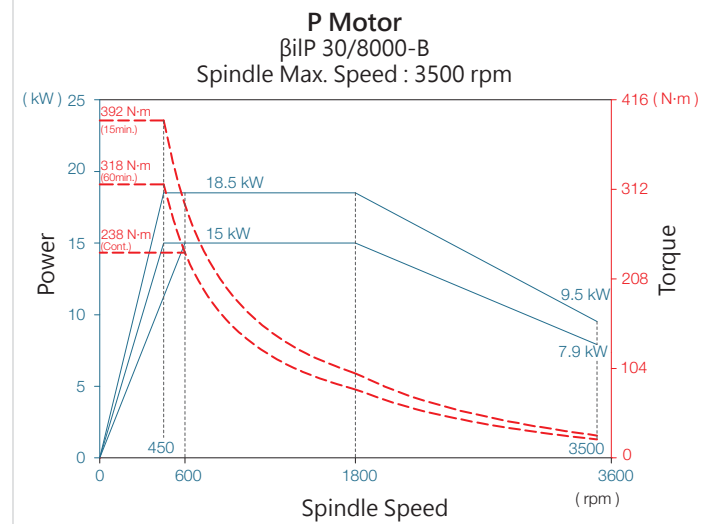
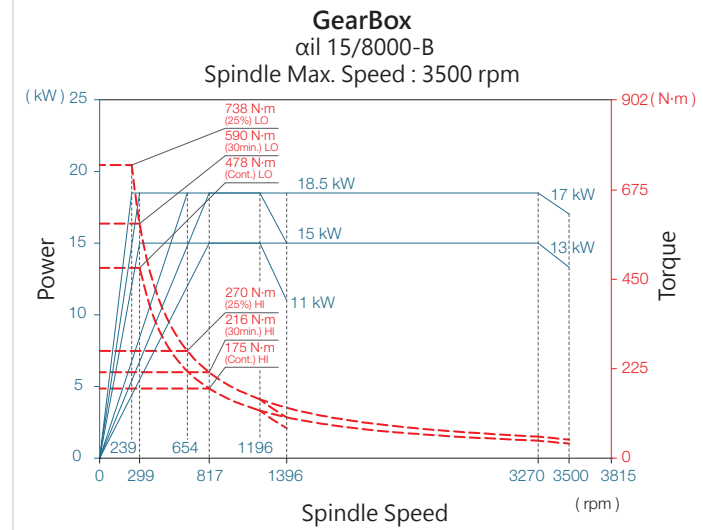
	LA-250 Series		LA-300 Series	
	GearBox	P Motor	GearBox	P Motor
Spindle Nose	A2-8	A2-8	A2-8	A2-8
Spindle Speed	3500	3500(3000)	2800	2800 rpm
Through Hole Diameter	86	86	102	102 mm
Bearing Inside Diameter	120	120	140	140 mm
Motor Output	18.5/15	18.5/15	22/18.5	18.5/15 kW
Max. Torque	738	392(456)	877	392 N·m

※ Specifications are subject to change without notice.

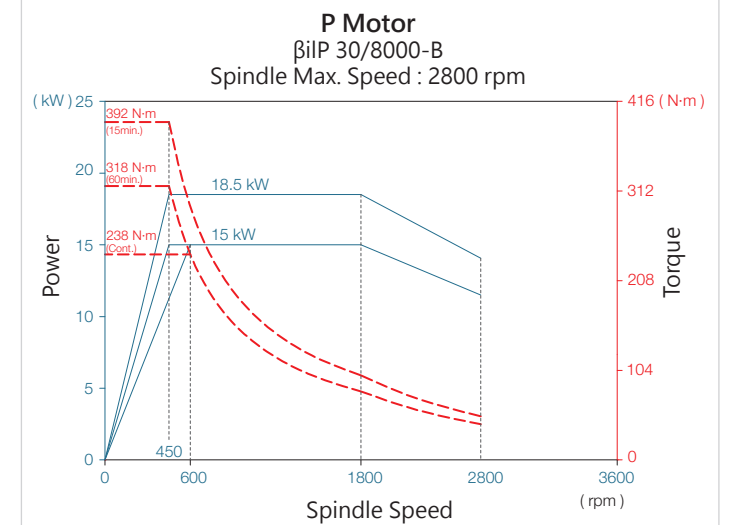
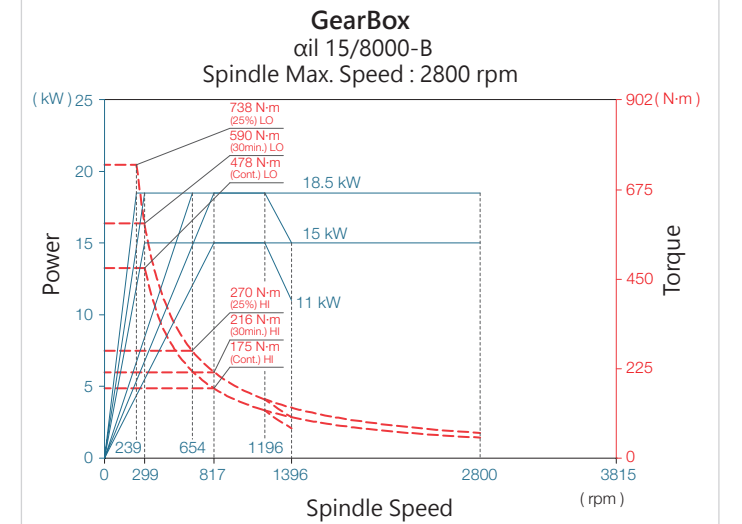
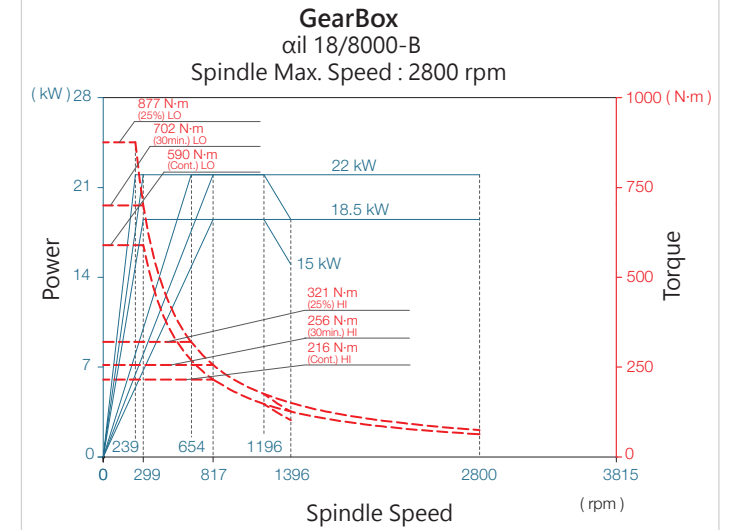


# Spindle Output Diagram

## LA-250 Series



## LA-300 Series

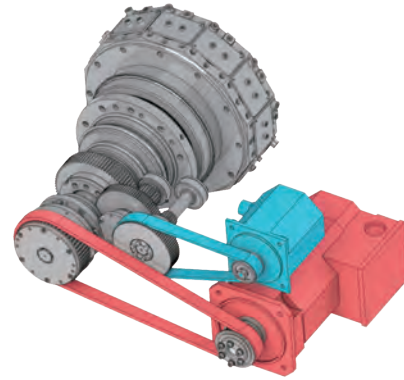




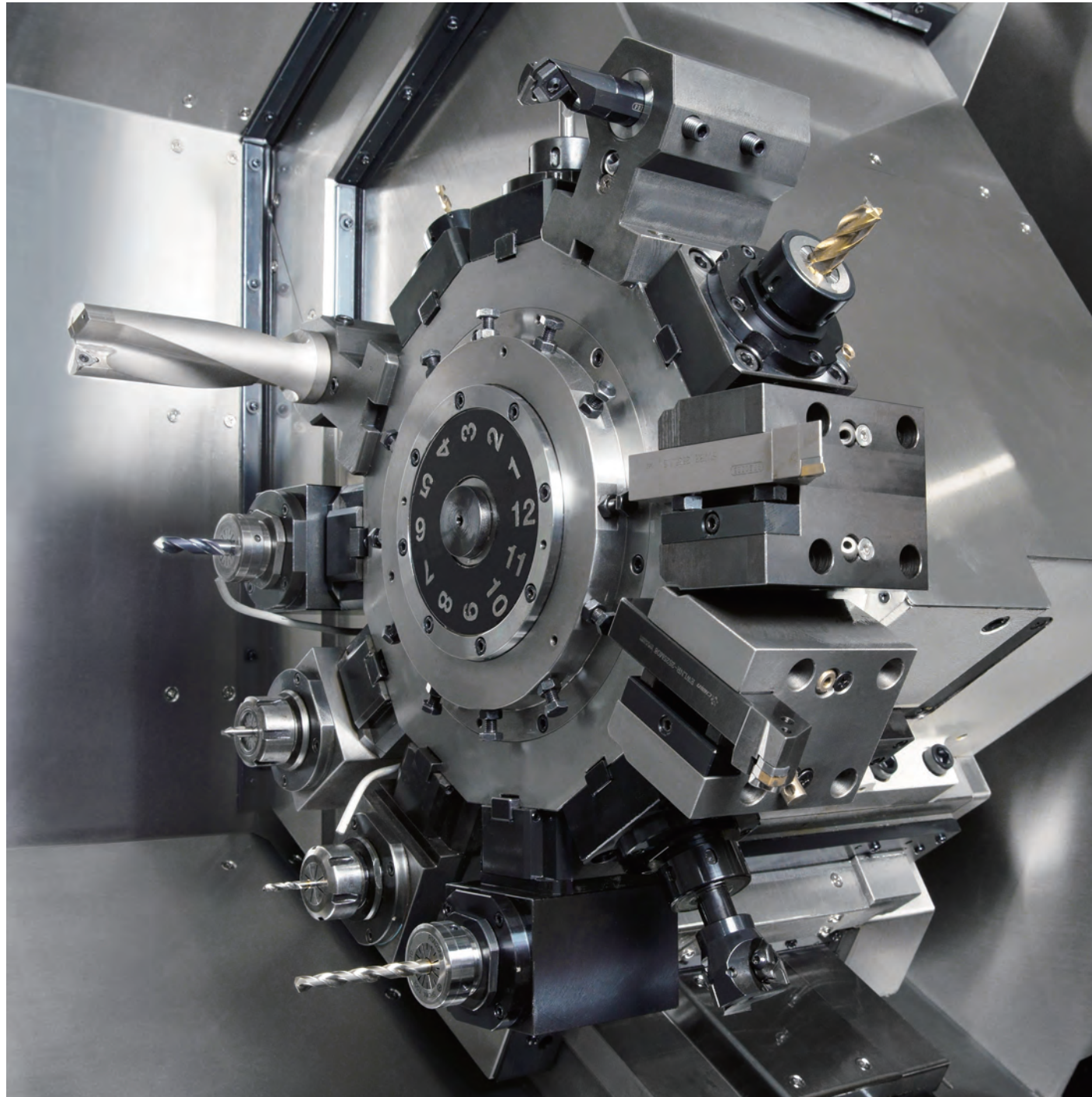
# Turret

The T12 Milling Turret is a tested in house design that enables combined machining such as milling, drilling and tapping in addition to conventional turning. This allows complex and highly accurate machining in a single cycle for mass production of parts.

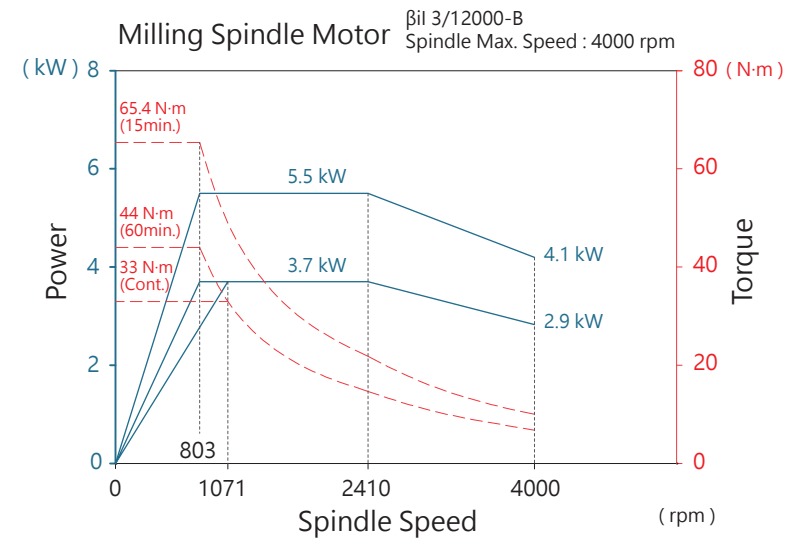
We can provide a customised needs assessment for special needs regarding numbers of tools, tool holders, milling cutters etc.



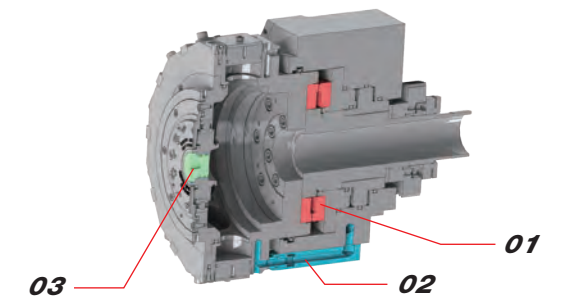
The milling motor is driven by a spindle motor and the tool changer is driven by a servo motor.



## Spindle Output Diagram

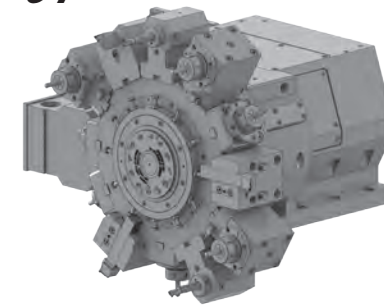


## Turret Structure

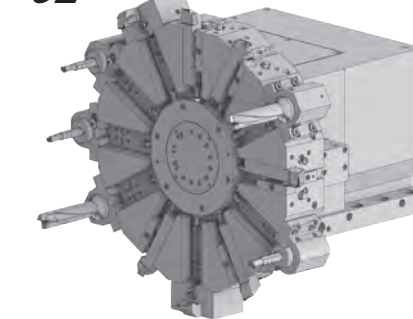


- 01** Curvic coupling OD 210mm performs high rigidity and accuracy.
- 02** Ready for 70 bar hi-pressure coolant.
- 03** Easy to grease up.

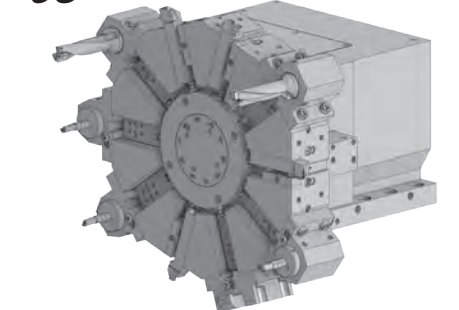
**01**



**02**



**03**



### 01 T12 Milling Turret

Number of Tools	12
OD Tool Shank Dimension	25 mm
ID Tool Shank Diameter	40 mm
Milling Shank Diameter	20 mm
Milling Spindle Speed	4000 rpm
Motor Output	5.5 / 3.7 kW
Torque	65.4 N·m

### 02 T12 Turning Turret (Standard)

Number of Tools	12
OD Tool Shank Dimension	25 mm
ID Tool Shank Diameter	40 mm

### 03 T10 Turning Turret (Option)

Number of Tools	10
OD Tool Shank Dimension	25 mm
ID Tool Shank Diameter	50 mm

## Special Tool Holders

- 01** Gear Hobbing
- 02** Broaching
- 03** Power Skiving
- 04** Adjustable Angle Milling

**01**



**02**



**03**



**04**





# Tailstock

High rigid tailstock body with hydraulic driven quill, various driven types can be selected according to the requirement of user. High thrust or quill type can be customized according to the requirement of customer.



## 01 Pin Carry Tailstock with Live Center (Standard)

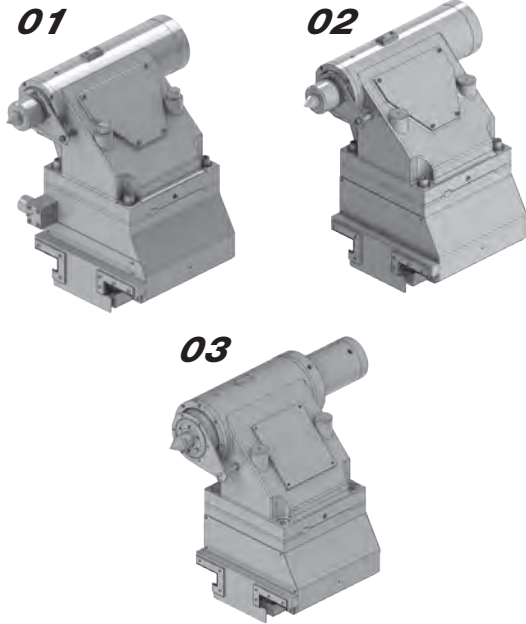
Tapered Bore Type	MT.5	
Tailstock Spindle Diameter	110	mm
Tailstock Spindle Travel	150	mm
Max. Thrust of Tailstock Spindle	15.0	kN

## 02 Manual Tailstock with live Center (Option)

Tapered Bore Type	MT.5	
Tailstock Spindle Diameter	110	mm
Tailstock Spindle Travel	150	mm
Max. Thrust of Tailstock Spindle	15.0	kN

## 03 Pin Carry Tailstock with Built-In Center (Option)

Tapered Bore Type	MT.5	
Tailstock Spindle Diameter	150	mm
Tailstock Spindle Travel	150	mm
Max. Thrust of Tailstock Spindle	7.4	kN



## 01 Steady Rest

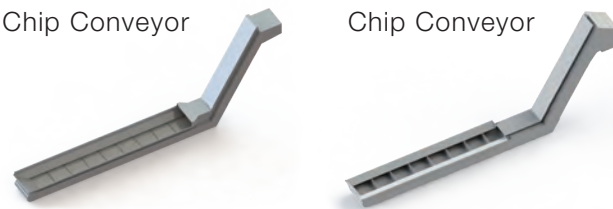
Long workpieces provide stable centering while maintaining optimum machining accuracy.

## 02 Chip Conveyor

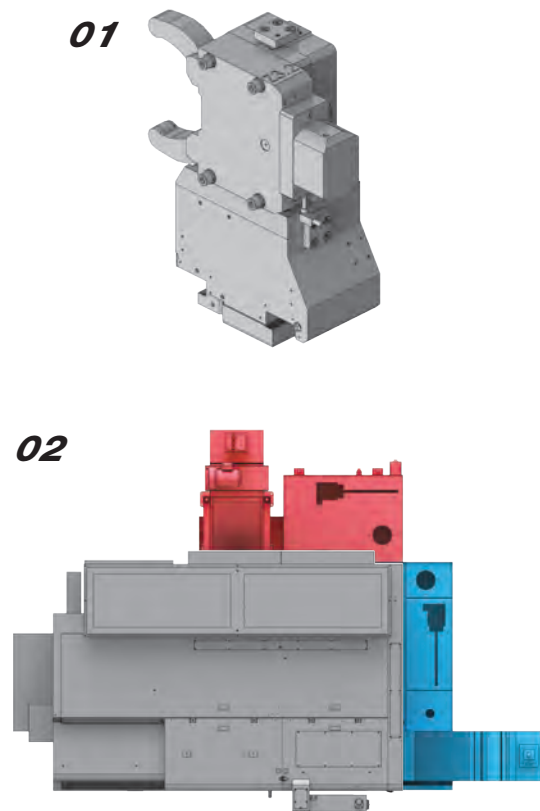
To assist with factory layout right and rear side chip conveyors are available.

Hinge Type  
Chip Conveyor

Scraper Type  
Chip Conveyor

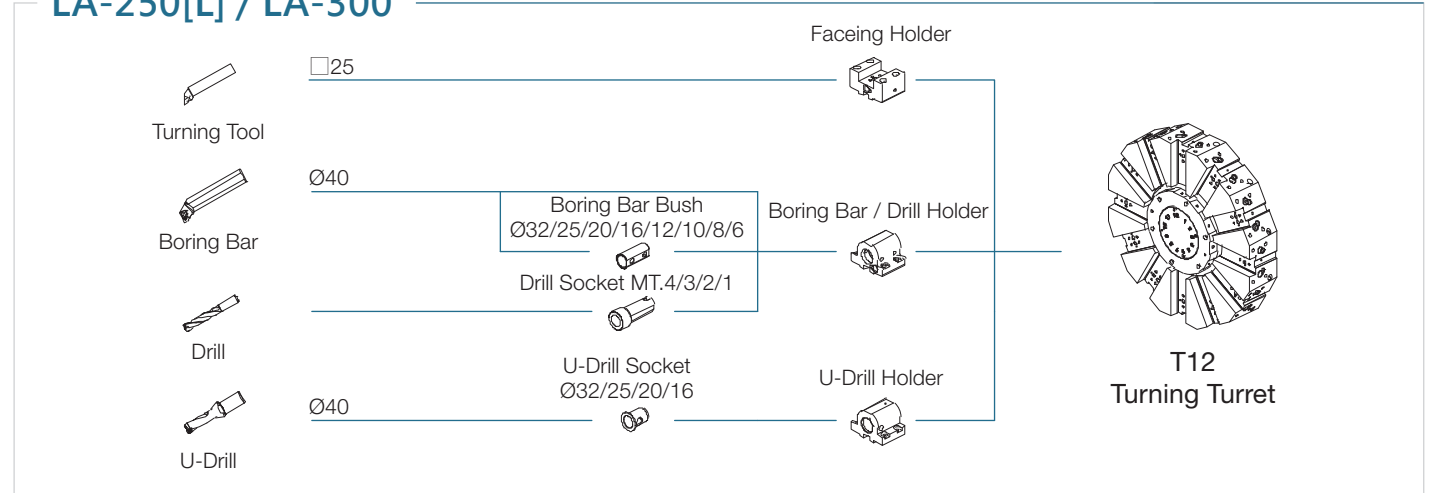


Chip Type	Curly Metallic Chip Steel / Aluminum	Power Metallic Chip Foundry / Aluminum / Brass	Non-Metallic
Hinge Type	○	X	○
Scraper Type	X	○	X

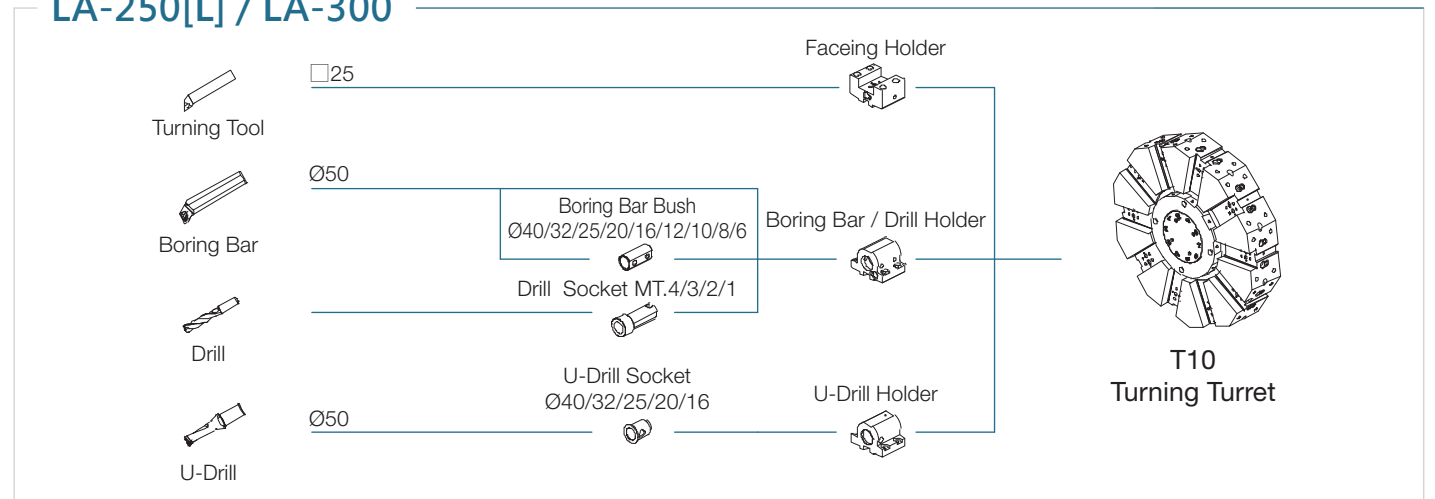


# Tooling System

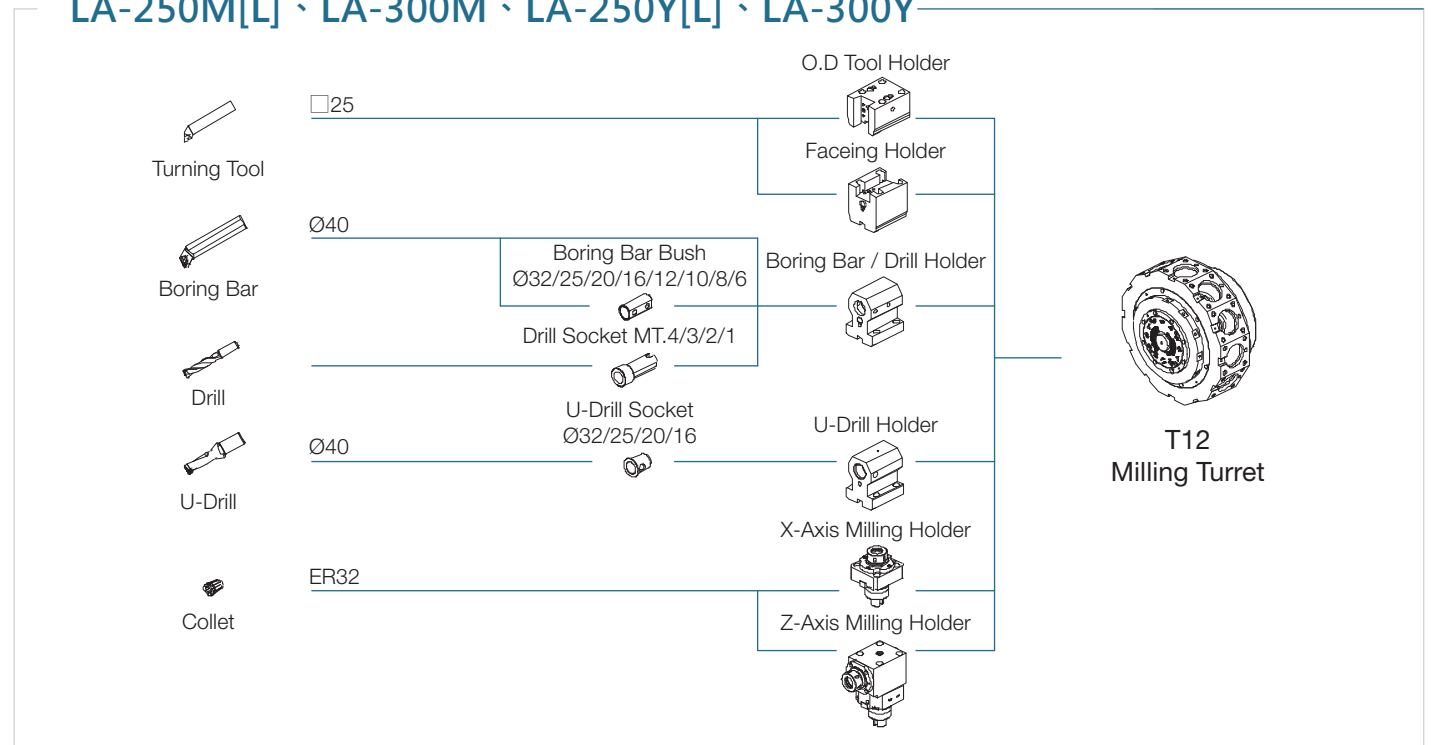
## LA-250[L] / LA-300



## LA-250[L] / LA-300

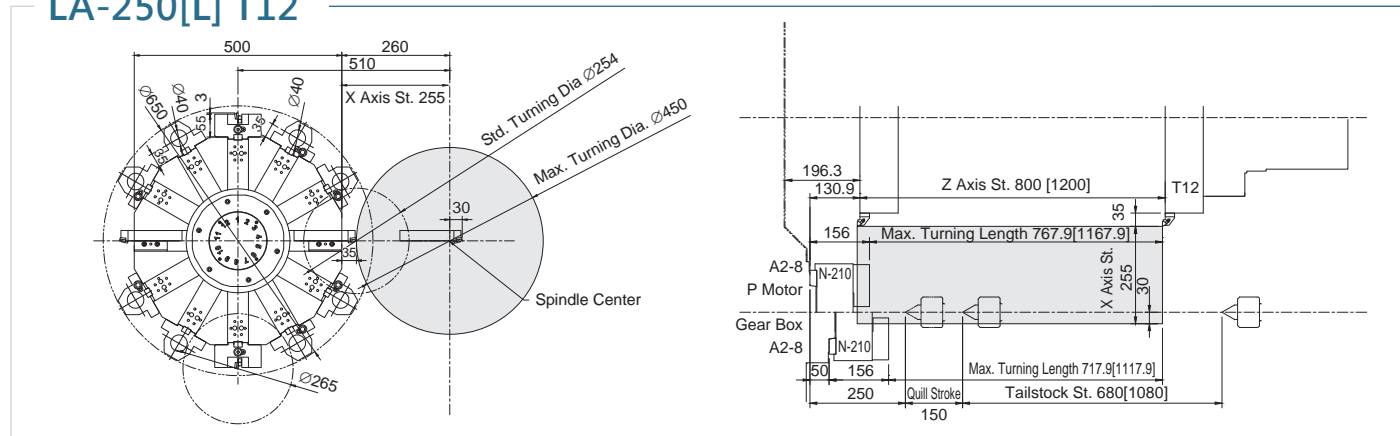


## LA-250M[L]、LA-300M、LA-250Y[L]、LA-300Y

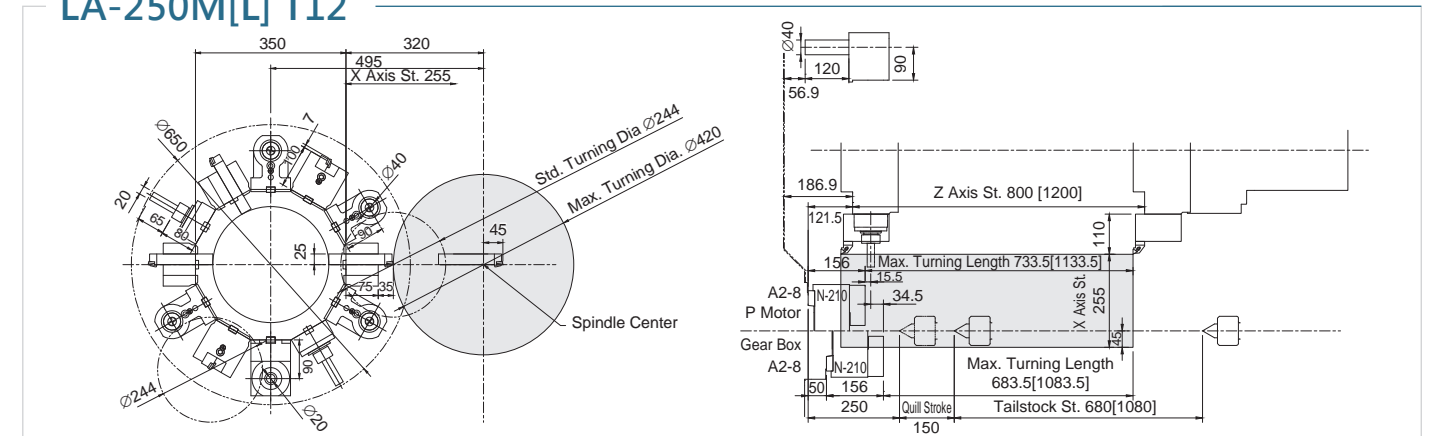


# Working Range I Interference Diagram

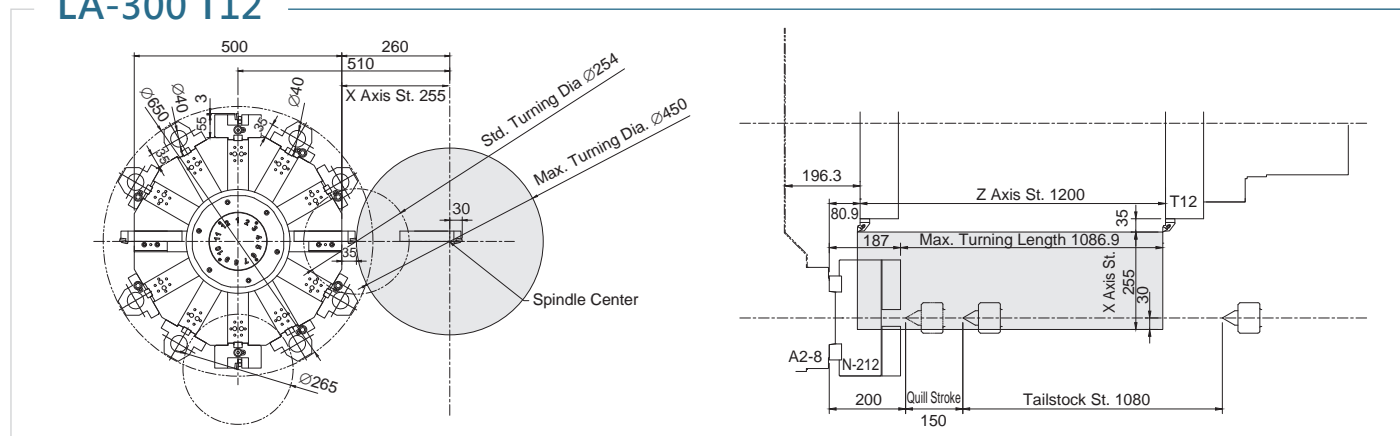
## LA-250[L] T12



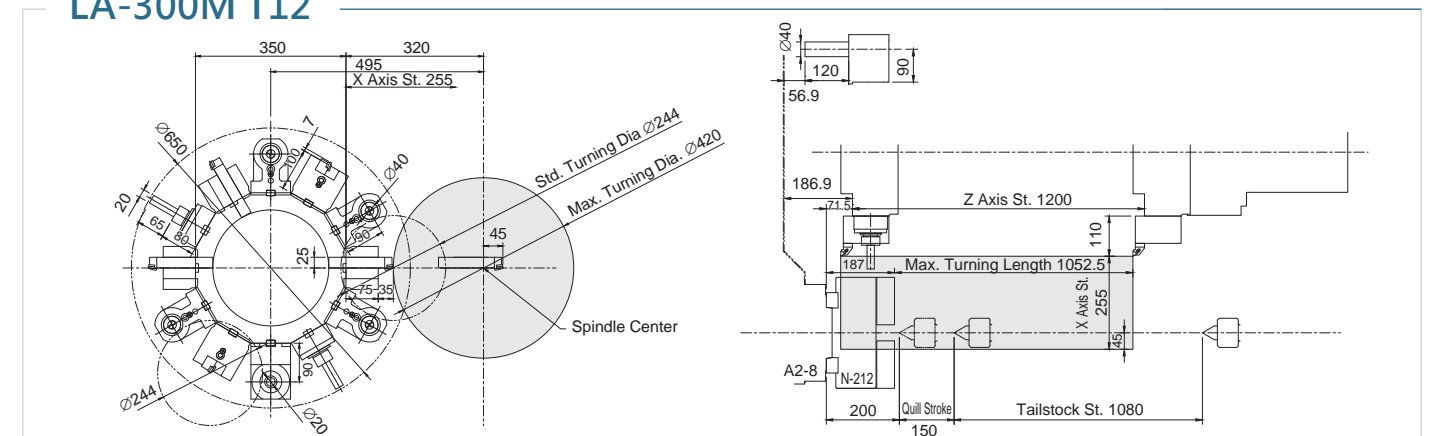
## LA-250M[L] T12



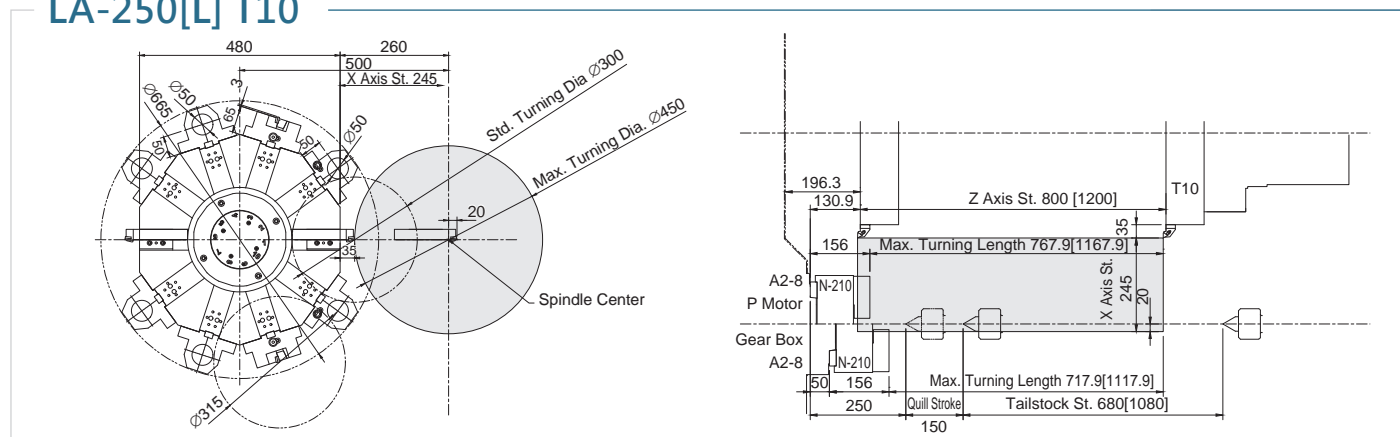
## LA-300 T12



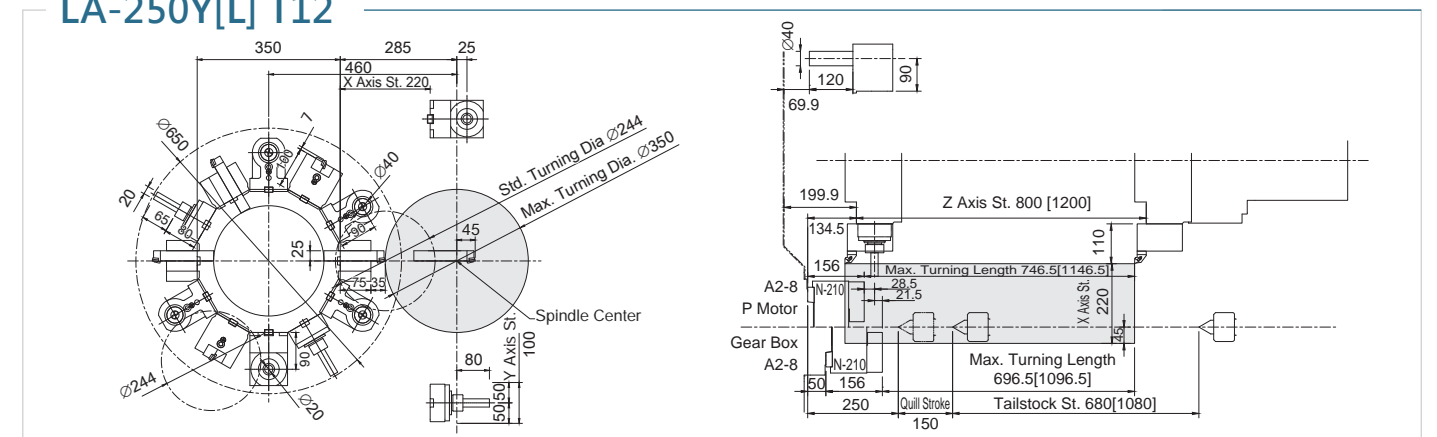
## LA-300M T12



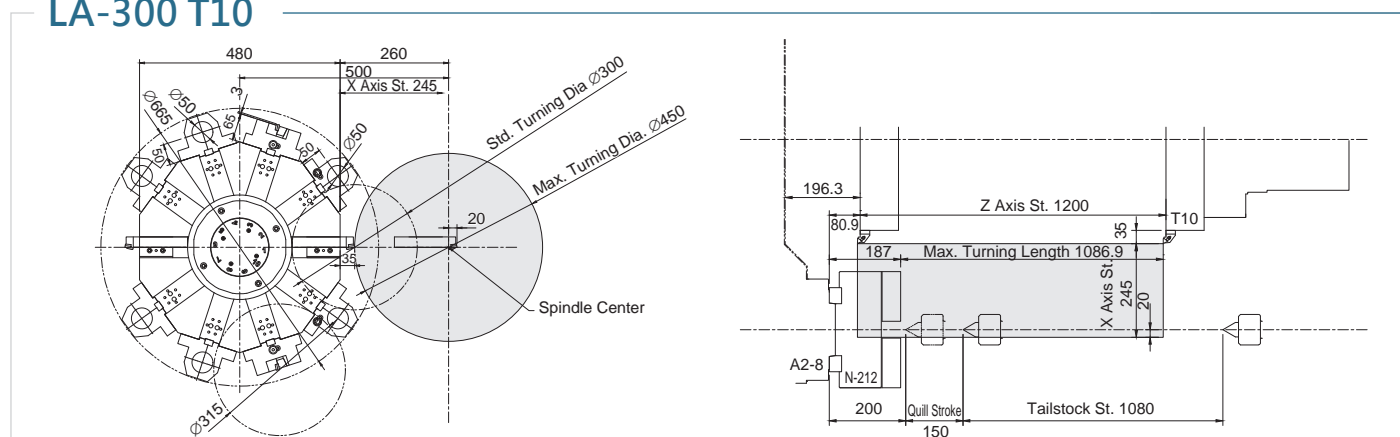
## LA-250[L] T10



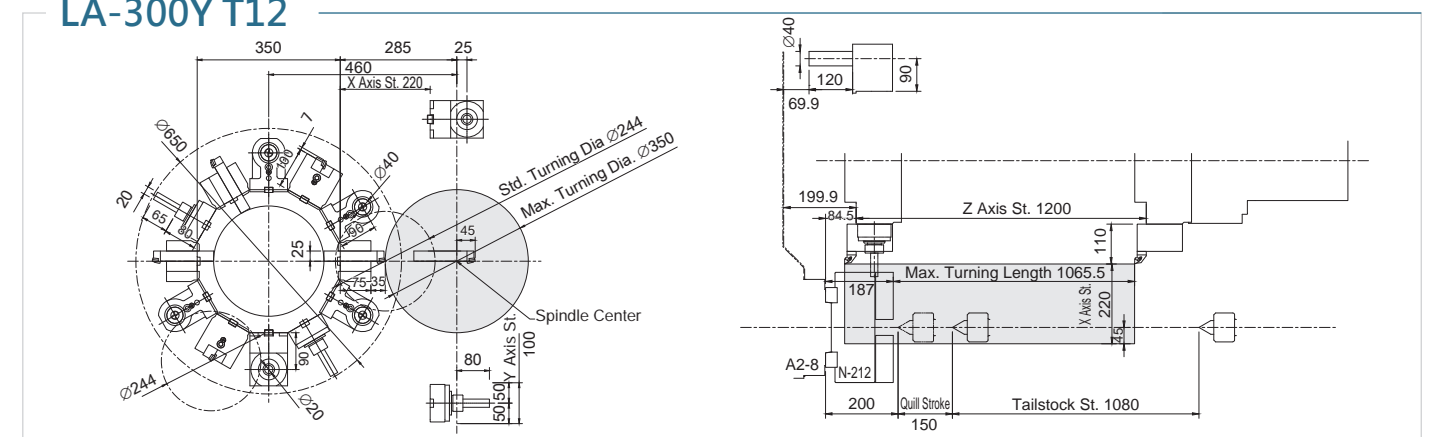
## LA-250Y[L] T12



## LA-300 T10

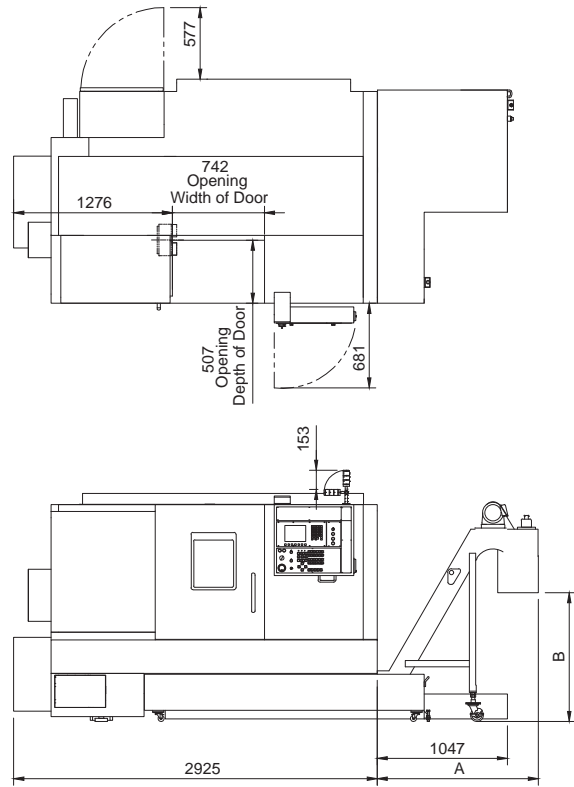


## LA-300Y T12



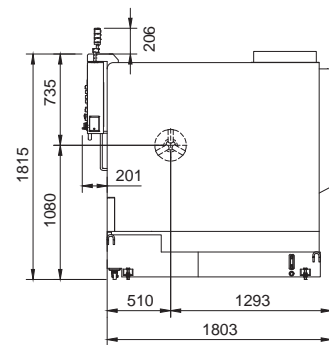
# Machine Dimensions

## LA-250 / LA-250M

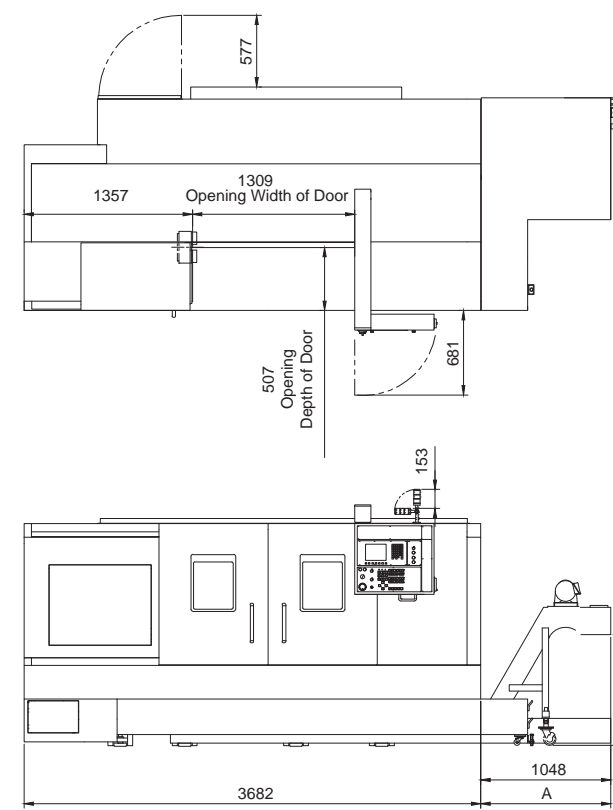


### Chip Conveyor Dimension

	A	B
Standard	1044	893
CE	1046	753
Italy	1296	1036
Switzerland	1296	1186

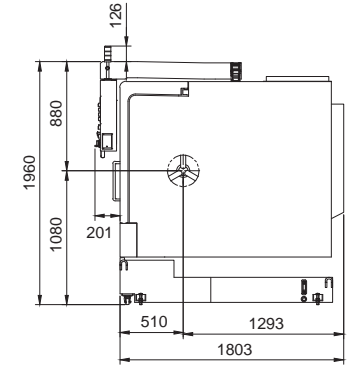


## LA-250L / LA-300 / LA-250ML / LA-300M

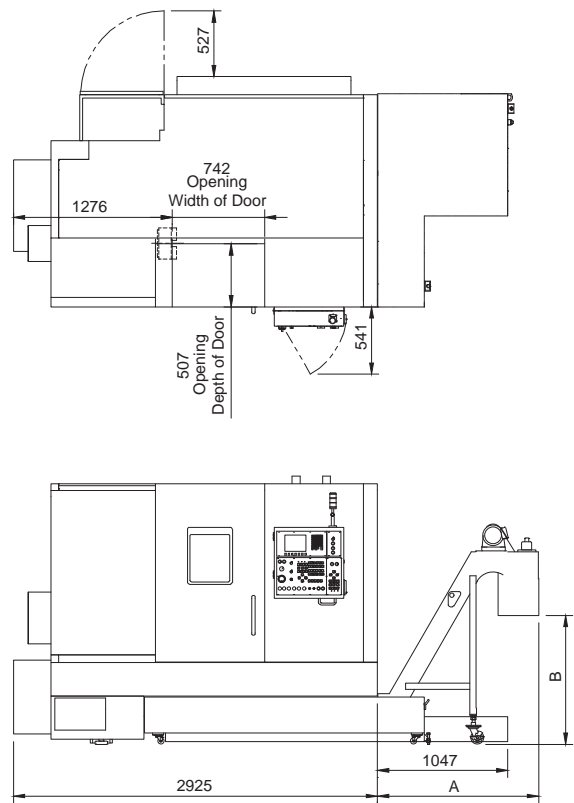


### Chip Conveyor Dimension

	A	B
Standard	1044	893
CE	1096	840
Italy	1296	1036
Switzerland	1296	1186

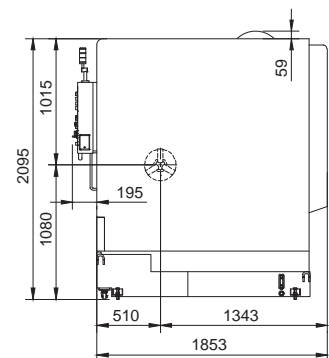


## LA-250Y

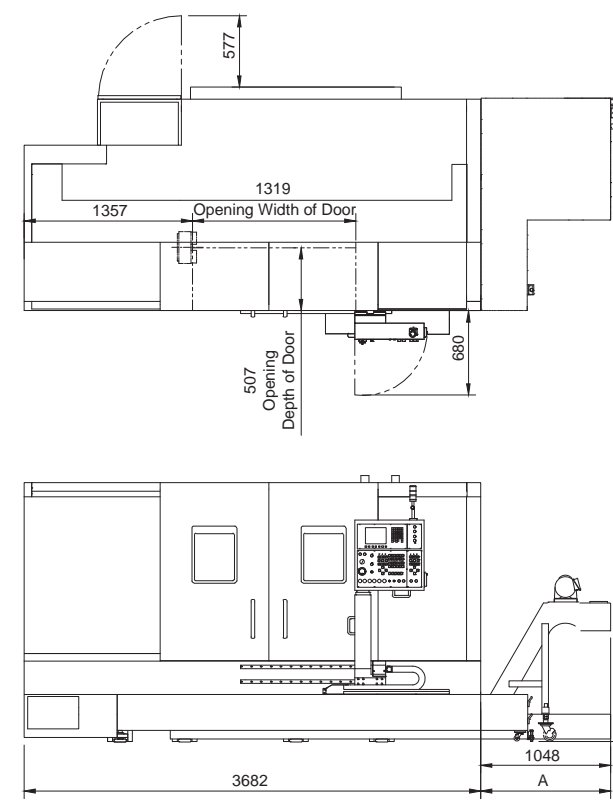


### Chip Conveyor Dimension

	A	B
Standard	1044	893
CE	1046	753
Italy	1296	1036
Switzerland	1296	1186

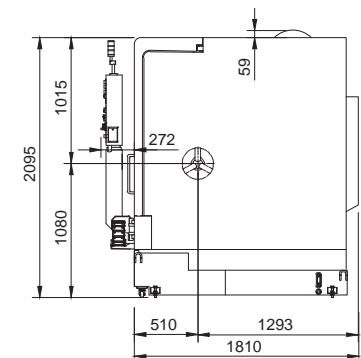


## LA-250YL / LA-300Y



### Chip Conveyor Dimension

	A	B
Standard	1044	893
CE	1096	840
Italy	1296	1036
Switzerland	1296	1186





# Machine Specification

Model	LA-250[L]	LA-300	LA-250M[L]	LA-300M	LA-250Y[L]	LA-300Y
Item	Unit					
<b>Capacity</b>						
Max. Swing	mm 580					
Standard Turning Diameter	254 T12 Turret	254 T12 Turret	244	244	244	244
	300 T10 Turret	300 T10 Turret				
Max. Turning Diameter	450 T12 Turret	450 T12 Turret	420	420	350	350
	450 T10 Turret	450 T10 Turret				
Max. Turning Length	767 [1167] P Motor	1086 P Motor	733 [1133] P Motor	1052 P Motor	746 [1146] P Motor	1065 P Motor
	717 [1117] GearBox	1086 GearBox	683 [1083] GearBox	1052 GearBox	696 [1096] GearBox	1065 GearBox
Max. Bar Work Capacity	mm 75 90 75 90 75 90					
<b>Travel</b>						
X-Axis Travel	255 T12 Turret	255 T12 Turret	255	255	220	220
	245 T10 Turret	245 T10 Turret				
Z-Axis Travel	mm 800 [1200] 1200 800 [1200] 1200 800 [1200] 1200					
Y-Axis Travel	mm - - - - ±50 ±50					
<b>Spindle</b>						
Spindle Speed	3500 P Motor GearBox	2800	3500 P Motor GearBox	2800	3500 P Motor GearBox	2800
	3000 P Motor		3000 P Motor		3000 P Motor	
	2800 Big Bore		2800 Big Bore		2800 Big Bore	
Spindle Nose	A2-8 A2-8 A2-8 A2-8 A2-8 A2-8					
Through Hole Diameter	mm 86 102 86 102 86 102					
Bearing Inside Diameter	mm 120 140 120 140 120 140					
<b>Turret</b>						
Number of Tools	T12	T12	T12	T12	T12	T12
	T10	T10				
OD Tool Shank Dimension	mm 25 25 25 25 25 25					
ID Tool Shank Diameter	40 T12 Turret	40 T12 Turret	40	40	40	40
	50 T10 Turret	50 T10 Turret				
Milling Shank Diameter	mm - - 20 (ER32) 20 (ER32) 20 (ER32) 20 (ER32)					
Milling Spindle Speed	rpm - - 4000 4000 4000 4000					
<b>Tailstock</b>						
Tailstock Travel	mm 730 1130 730 1130 730 1130					
Tailstock Spindle Travel	mm 150 150 150 150 150 150					
Tailstock Type	Live Center	Live Center	Live Center	Live Center	Live Center	Live Center
	Built-In Center	Built-In Center	Built-In Center	Built-In Center	Built-In Center	Built-In Center
Tapered Bore Type	MT.5 MT.5 MT.5 MT.5 MT.5 MT.5					
Tailstock Spindle Diameter	110 Live	110 Live	110 Live	110 Live	110 Live	110 Live
	150 Built-In	150 Built-In	150 Built-In	150 Built-In	150 Built-In	150 Built-In
<b>Feedrate</b>						
X-Axis Rapid Traverse	m/min 16 16 16 16 16 16					
Z-Axis Rapid Traverse	m/min 20 20 20 20 20 20					
Y-Axis Rapid Traverse	m/min - - - - 8 8					
<b>Motor</b>						
Spindle Motor	kW 18.5/15	22/18.5 GearBox	18.5/15	22/18.5 GearBox	18.5/15	22/18.5 GearBox
		18.5/15 GearBox P Motor		18.5/15 GearBox P Motor		18.5/15 GearBox P Motor
Milling Spindle Motor	kW - - 5.5/3.7 5.5/3.7 5.5/3.7 5.5/3.7					
Index Motor	kW 1.2 1.2 1.2 1.2 1.2 1.2					
X-Axis Servo Motor	kW 1.8 1.8 1.8 1.8 2.5 2.5					
Z-Axis Servo Motor	kW 2.5 2.5 2.5 2.5 2.5 2.5					
Y-Axis Servo Motor	kW - - - - 2.5 2.5					
<b>Machine Size</b>						
Height	mm 1815 [1960] 1960 1815 [1960] 1960 2095 [2095] 2095					
Width	mm 2925 [3682] 3682 2925 [3682] 3682 2925 [3682] 3682					
Depth	mm 1803 [1803] 1803 1803 [1803] 1803 1853 [1810] 1810					
Weight	Kg 4500 [7450] 7550 4550 [7500] 7600 6200 [9300] 9400					

※ Specifications are subject to change without notice.

# Standard and Optional Accessories

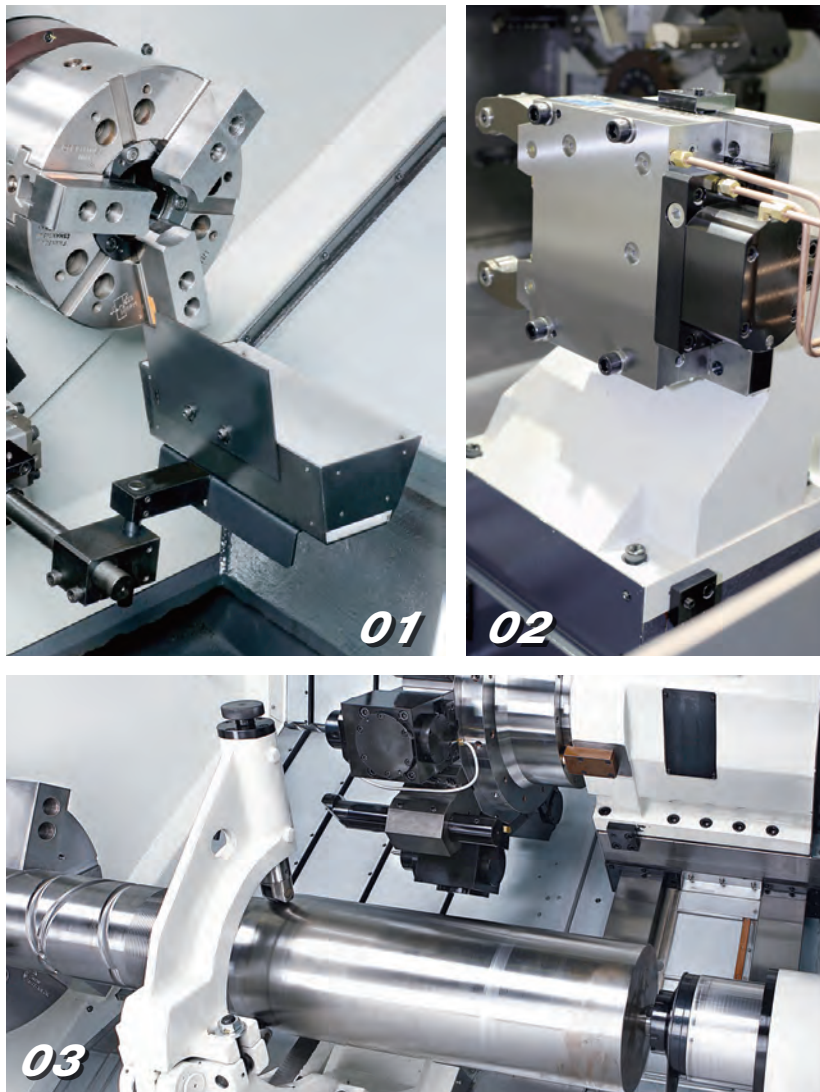
● : Standard ○ : Optional --- : N/A

Item	LA-250[L]	LA-300	LA-250M[L]	LA-300M	LA-250Y[L]	LA-300Y
GearBox Spindle	○		○		○	
P Motor Spindle	●		●		●	
Pin Carry Tailstock with Live Center	●		●		●	
Pin Carry Tailstock with Built-In Center	○		○		○	
Manual Tailstock with live Center	○		○		○	
T10 Turning Turret	○		---		---	
T12 Turning Turret	●		---		---	
T12 Milling Turret	---		●		●	
OD Tool Holder	---		●		●	
Face Tool Holder	●		●		●	
U-Drill Tool Holder	●		●		●	
Boring Bar Tool Holder	●		●		●	
Boring Bar Bush (Ø6、Ø8、Ø10、Ø12)	●		●		●	
Boring Bar Bush (Ø16、Ø20、Ø25、Ø32)	●		●		●	
Boring Bar Bush (Ø40) T10 Only	●		---		---	
U-Drill Bush (Ø16、Ø20、Ø25、Ø32)	●		●		●	
U-Drill Bush (Ø40) T10 Only	●		●		●	
Drill Bush (MT.1、MT.2、MT.3、MT.4)	○		○		○	
X-Axis Milling Holder	---		●		●	
Z-Axis Milling Holder	---		●		●	
Automatic Tool Setter	○		○		○	
Manual Tool Setter	○		○		○	
Linear Scales	○		○		○	
Coolant Pump(450W)	●		●		●	
Coolant Pump(715W、750W、900W、1400W)	○		○		○	
Cutting Fluid Cooling	○		○		○	
Hydraulic System	●		●		●	
Nut Cooling Ball Screw	○		○		○	
High Pressure Coolant	○		○		○	
Hydraulic Oil Cooling	○		○		○	
Hydraulic Pressure Sensor	●		●		●	
Lubrication System	●		●		●	
Lubricating Oil Recycling Box	●		●		●	
Hydraulic Chuck	●		●		●	
Collet Chuck	○		○		○	
Foot Switch	●		●		●	
LED Interior Light	●		●		●	
LED Signal Tower	●		●		●	
Hydraulic Steady Rest	○		○		○	
Manual Steady Rest	○		○		○	
Right Side Chip Conveyor	○		○		○	
Rear Side Chip Conveyor	○		○		○	
Chip Cart	●		●		●	
Parts Catcher	○		○		○	
Parts Conveyor	○		○		○	
Automatic Bar Feeder and Interface	○		○		○	
Electrical Auto Door	○		○		○	
Pneumatic Auto Door	○		○		○	
Safety Door Switch	○		○		○	
Safety Light Curtain	○		○		○	
Air Blow	○		○		○	
Oil Skimmer	○		○		○	
Oil Mist Collector	○		○		○	
Parts Counter	○		○		○	
Automatic Power-Off	○		○		○	

※ Specifications are subject to change without notice.



## Special Specification Example



For any special needs such as changes in the specification of the work piece catcher and the centre frame please contact us for a customised needs assessment.

### 01 Parts Catcher

Max. Catching Diameter	90	mm
Max. Catching Length	210	mm
Max. Catching Weight	3	kg

### 02 Hydraulic Steady Rest

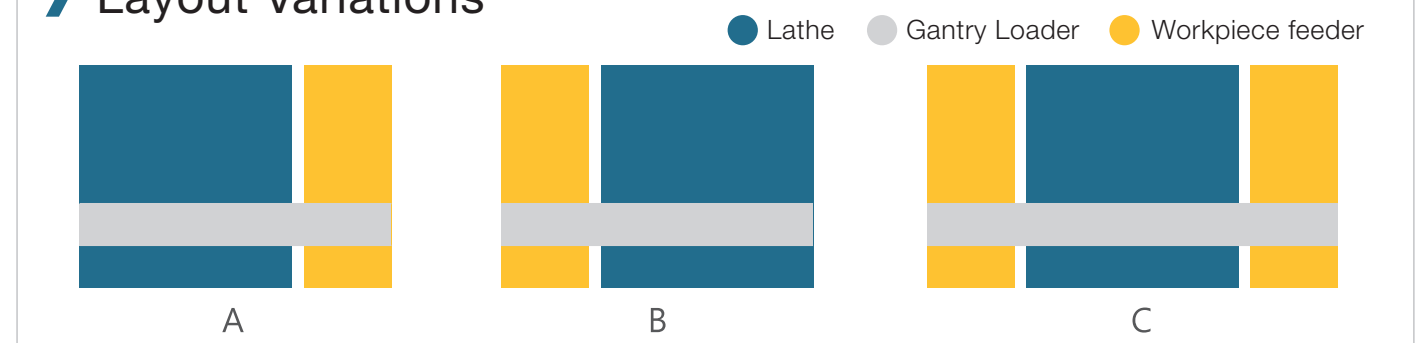
SMW SLU-Z-1	Ø4 ~ Ø64	mm
SMW SLU-Z-2	Ø8 ~ Ø101	mm
SMW SLU-Z-3	Ø12 ~ Ø152	mm
SMW SLU-Z-3.1	Ø20 ~ Ø165	mm
SMW SLU-Z-3.2	Ø50 ~ Ø200	mm

### 03 Manual Steady Rest

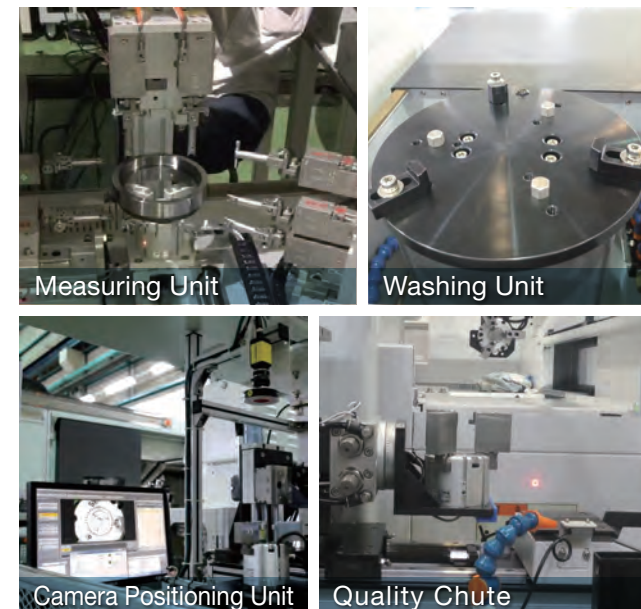
T006	Ø50 ~ Ø155	mm
T009	Ø100 ~ Ø240	mm
T011	Ø8 ~ Ø80	mm
T012	Ø20 ~ Ø200	mm

## High Speed Gantry Loder System

### Layout Variations



### Peripheral Equipment



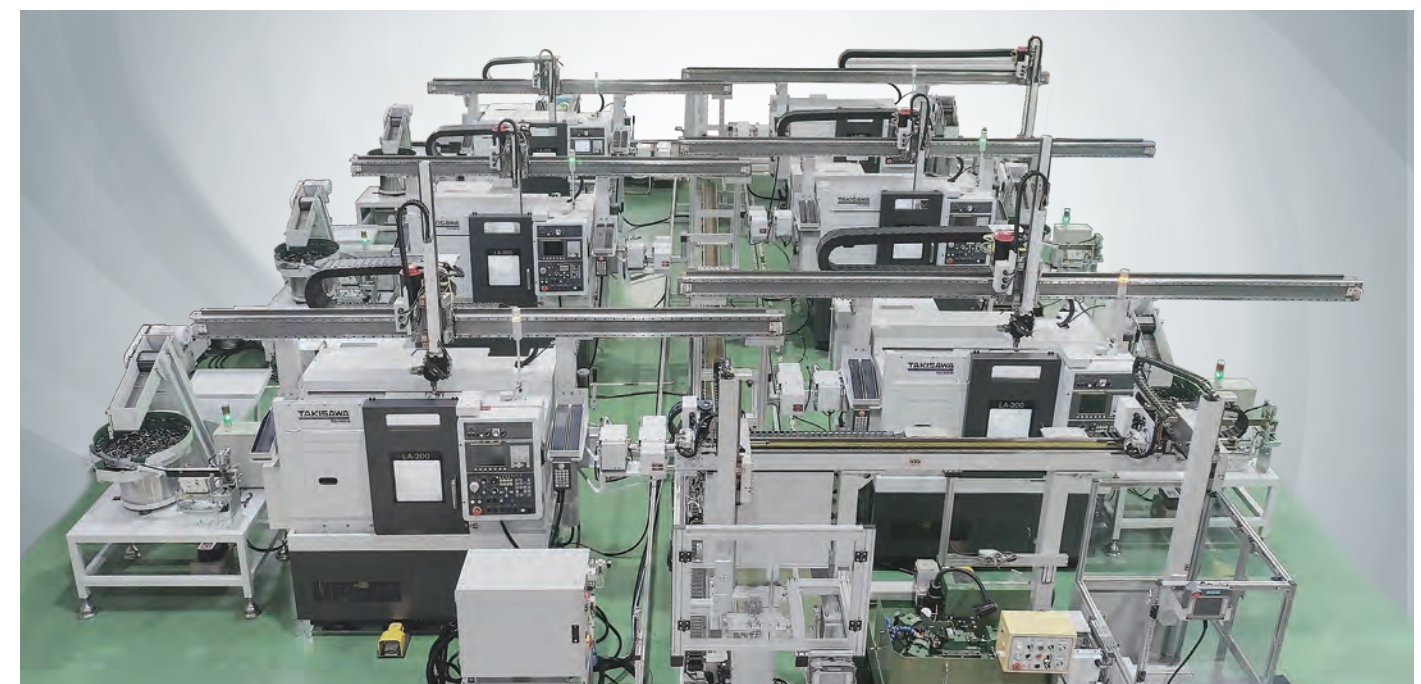
### Gantry Loader Specifications

Feedrate		
X axis	180	m/min
Z axis	150	m/min
Working Size		
OD	160	mm
Length	100	mm
Weight	3(x2)	kg

### Work Feeder Specifications

Pallet	16	pcs
Loading weight	40	kg
Max. Height	450	mm
Work feeder width	610	mm

### Turn-Key Solution



## Highly Accurate Optional Equipment

There are special requirements for precise machining accuracy and it is necessary to use approved high-precision optional equipment.

Please contact us for advice on these options.

- 01 Linear Scales
- 02 Automatic & Manual Tool Setter
- 03 Nut Cooling Ball Screw
- 04 Cutting Fluid Cooling
- 05 High Pressure Coolant
- 06 Hydraulic Oil Cooling





# NC Unit Specification

Controller	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
0i-TF	●	●	●
<b>NC Unit</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
8.4" Color LCD	●	●	●
10.4" Color LCD	○	○	○
<b>Safety Device</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
Front Door Interlock	○	○	○
Front Door Locking Mechanism	○	○	○
Safety Relay	○	○	○
Control Panel Breaker with Tripper	○	○	○
<b>Controlled Axes</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
Least Input Increment	●	●	●
Maximum programmable Dimension(±999999.999)	●	●	●
Least Input Increment C	▲	▲	▲
Inch/Metric Selection	●	●	●
Interlock	●	●	●
Machine Lock	○	○	○
Emergency Stop	●	●	●
Stored Stroke Check 1	●	●	●
Stored Stroke Check 2,3	●	●	●
Stroke Limit Check Before Movement	▲	▲	▲
Chuck Tailstock Barrie	▲	▲	▲
Mirror Image (Each Axis)	▲	▲	▲
Chamfering ON/OFF	●	●	●
Overload Detection	▲	▲	▲
Position Switch	●	●	●
<b>Operation</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
Auto Run (Memory)	●	●	●
MDI Run	●	●	●
DNC Run	●	●	●
DNC Run with Memory Card	●	●	●
Program Number Search	●	●	●
Sequence Number Search	●	●	●
Sequence Number Collation and Stop	●	●	●
Wrong Operation Preventive	▲	▲	▲
Buffer Register	●	●	●
Dry Run	●	●	●
Single Block	●	●	●
Jog Feed	●	●	●
Manual Reference Point Return	●	●	●
Dogless Reference Point Setting	●	●	●
Manual Handle Feed, 1 Unit	●	●	●
<b>Interpolating Functions</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
Poitioning (G00)	●	●	●
Exact Stop Mode (G61)	●	●	●
Tapping Mode (G63)	●	●	●
Cutting Mode (G64)	●	●	●
Exact Stop (G09)	●	●	●
Linear Interpolation (G01)	●	●	●
Circular Interpolation (G02/G03)	●	●	●
Dwell (G04)	●	●	●
Polar Coordinate Interpolation	---	●	●
Cylindrical Interpolation	---	●	●
Thread Cutting	●	●	●
Multiple Thread Cutting	●	●	●
Thread Cutting Cycle and Retraction	●	●	●
Continuous Thread Cutting	●	●	●
Variable Lead Thread Cutting	●	●	●
Reference Point Return (G28)	●	●	●

Interpolating Functions	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
Reference Point Return Check (G27)	●	●	●
2nd Reference Point Return (G30)	●	●	●
3rd, 4th Reference Point Return	●	●	●
<b>Feed Function</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
Rapid Traverse Override (F0,25%,50%,100%)	●	●	●
Feed Per Minute	●	●	●
Feed Per Revolution	●	●	●
Constant Tangential Speed Control	●	●	●
Cutting Feedrate Clamp	●	●	●
Automatic Acceleration/Deceleration	●	●	●
Rapid Traverse Bell-Shaped Accel/Decel	●	●	●
Linear Accel/ Decel After Feedrate Interpolation	●	●	●
Feedrate Override (15 Steps)	●	●	●
Jog Override (15 Steps)	●	●	●
Override Cancel	●	●	●
Manual Feed Per Revolution	▲	▲	▲
<b>Program Input</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
Tape Code (EIA/ISO Auto Recognition)	●	●	●
Label Skip	●	●	●
Parity Check	●	●	●
Control In/Out	●	●	●
Optional Block Skip, 1 Piece	●	●	●
Optional Block Skip (2 to 9 Pieces)	⊕	⊕	⊕
Program Number O4 Digits	●	●	●
Program File Name 32 Characters	●	●	●
Sequence Number N8 Digits	●	●	●
Absolute/Incremental Command	●	●	●
Decimal Point Input/Pocket Calculator Type Decimal Point Input	●	●	●
Diameter / Radius Programming (X-Axis)	●	●	●
Coordinate System Setting (G50)	●	●	●
Auto coordinate System Setting	●	●	●
Drawing Dimension Direct Input	●	●	●
G-Code System A	●	●	●
G-Code System B/C	▲	▲	▲
Chamfering/Corner R Programming	●	●	●
Programmable Data Input	●	●	●
Sub Program Call (10 Levels)	●	●	●
Custom Macro	●	●	●
Additional Custom Macro	●	●	●
Common Variables	●	●	●
Single Canned Cycle	●	●	●
Combined Canned Cycle	●	●	●
Combined Canned Cycle II	●	●	●
Drilling Canned Cycle	●	●	●
Arc Radius Programming	●	●	●
Macro Executor	○	○	○
Coordinate System Shift	●	●	●
Coordinate System Shift Direct Input	●	●	●
<b>Miscellaneous Function/ Spindle Functions</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
M Function (M3 Digits)	●	●	●
Second Miscellaneous Function (B Function)	○	○	○
Spindle Functions (S4 Digits)	●	●	●
Constant Surface Speed Control	●	●	●
Spindle Orientation	●	●	●
Rigid Tap (Spindle Center)	●	●	●
Rigid Tap (Rotary Tool)	---	●	●

Data I/O	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
RS-232C Interface for 1 ch	●	●	●
Fast Data Server	⊕	⊕	⊕
External Message	●	●	●
External Workpiece Number Search	○	○	○
Memory Card I/O	●	●	●
<b>Tool Functions/Tool Offset Functions</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
T Function (T2+2 Digits)	●	●	●
Tool Offsets, 99 Pieces	●	●	●
Tool Offsets, 200 Pieces	○	○	○
Tool Geometry Size Data, 100 Pieces	○	○	○
Tool Position Offset	●	●	●
Tool Diameter/ Nose R Compensation	●	●	●
Tool Geometry/ Wear Compensation	●	●	●
Tool Offset Counter Input	●	●	●
Tool Offset Measured Value Direct Input	●	●	●
Tool Offset Measured Value Direct Input B	○	○	○
Tool Life Management	▲	▲	▲
<b>Accuracy Offset Functions</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
Backlash Compensation	●	●	●
Backlash Compensation by Rapid Traverse/ Feedrate	●	●	●
<b>Editing</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
Part Program Memory Capacity 512Kbyte (1280m)	●	●	●
Part Program Memory Capacity 2Mbyte	○	○	○
Registrable Programs, 400 Programs	●	●	●
Registrable Programs, 1000 Programs	○	○	○
Program Editing	●	●	●
Program Protection	●	●	●
Extended Program Editing	●	●	●
Background Editing	●	●	●

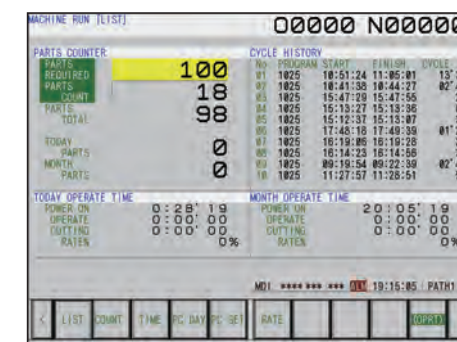
Setting/Display	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
Status Display	●	●	●
Clock Function	●	●	●
Current Position Display	●	●	●
Program Comment Display (31 Characters)	●	●	●
Parameter Setting and Display	●	●	●
Alarm Display	●	●	●
Alarm Log Display	●	●	●
Operator Message Log Display	●	●	●
Operation Message Log Display	●	●	●
Run Hours and Parts Count Display	●	●	●
Actual Speed Display	●	●	●
Actual Spindle Speed and T Code Display	●	●	●
Floppy Cassette Directory Display	●	●	●
Grouped Directory Display and Punching	●	●	●
Servo Adjustment Screen	●	●	●
Maintenance Information Screen	●	●	●
Data Protection Key, 1 Kind	●	●	●
Help Function	●	●	●
Self Diagnostic Function	●	●	●
Scheduled Maintenance Screen	●	●	●
Hardware & Software System Configuration Display	●	●	●
Graphic Display	●	●	●
Dynamic Graphic Display	○	○	○
<b>Display Languages</b>	LA-250[L] LA-300	LA-250M[L] LA-300M	LA-250Y[L] LA-300Y
English	●	●	●
Japanese (Kanji)	▲	▲	▲
Other Language	▲	▲	▲
Display Language Dynamic Switching	●	●	●

●:Standard ○:Optional ⊕:Special  
▲:Parameter setting is required ---:None

## Smart Work Manager (option)

It provides simple operation and convenient function.

01



### Tool Life Manager

This function can set tool life and wear limit to manage all tools.

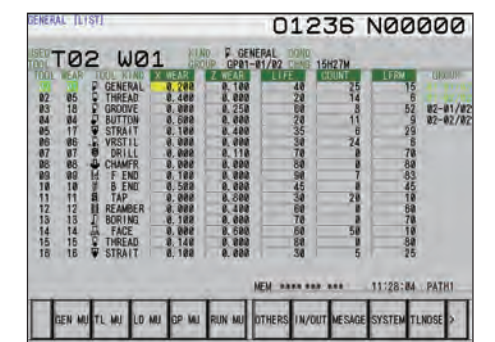
02



### Load Monitor

Detecting max load to check tool status.

03



### Parts and Machine Manager

It offer parts counter, program history, operate time for today or this month.