

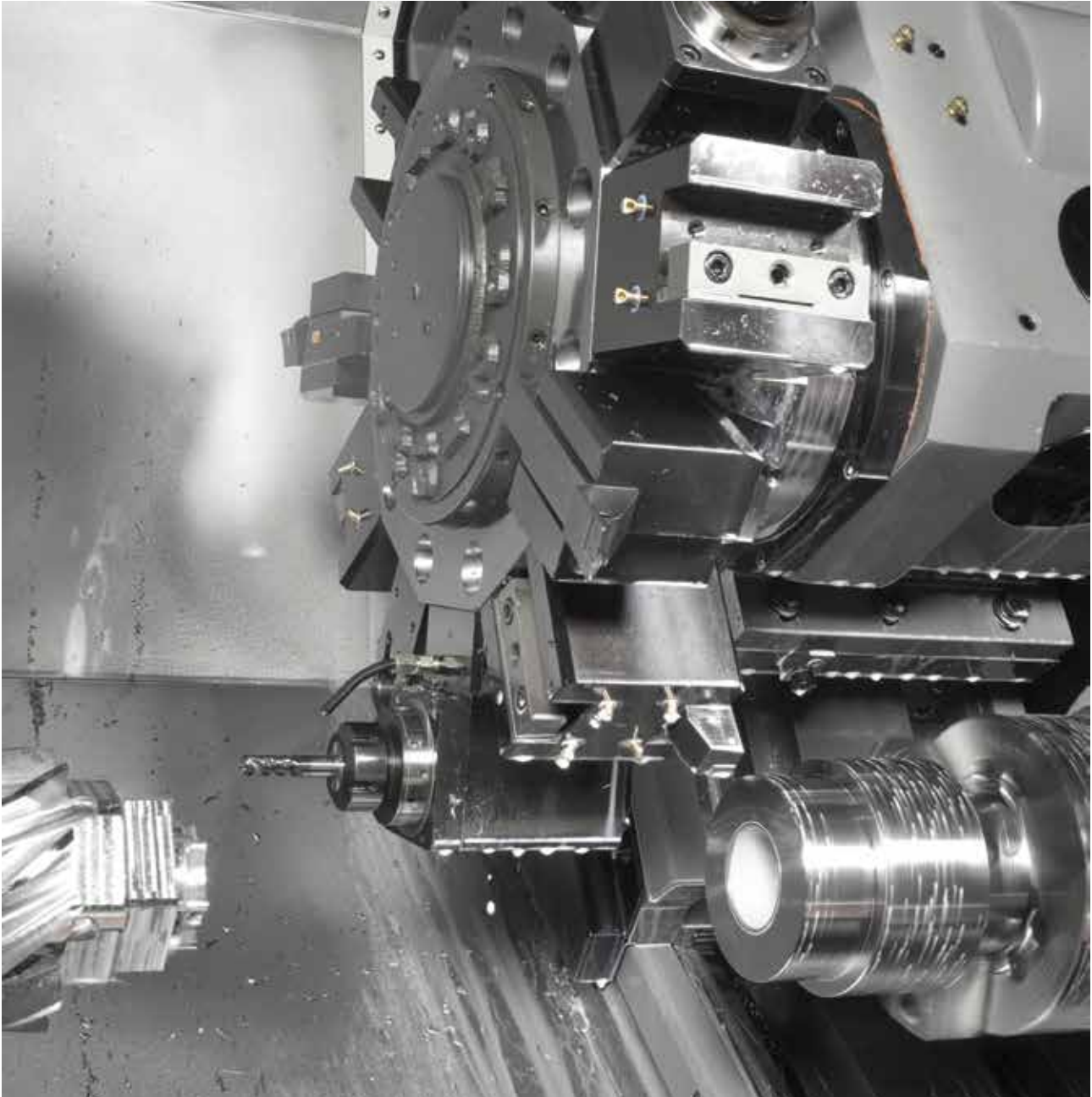
L2100SY / 2600SY

HYUNDAI WIA Multi-Tasking Y axis CNC Turning Center



Technical Leader

The CNC Turning Center L2100-2600SY Series, designed by Hyundai WIA with years of expertise and the latest technology, is designed to maximize productivity by enhancing rigidity and accuracy of machining.



MODEL	Spindle			Turret	Y-Axis	Tail Stock
	Main 8"	Main 10"	Sub 6"	BMT65P		
L2100Y	●			●	●	●
L2100SY	●		●	●	●	
L2600Y		●		●	●	●
L2600SY		●	●	●	●	

Heavy Duty Y-axis CNC Turning Center with Box Guideways

L2100SY / 2600SY

- Cycle time reducing structure for maximum productivity
- Multi-tasking operation with wedge type Y-axis BMT65P turret
- Integrated processing through synchronized control of Main/Sub spindle
- High performance heavy duty cutting enabled with box guideways
- Improved maintenance through locating lubrication mechanisms on the front of machine

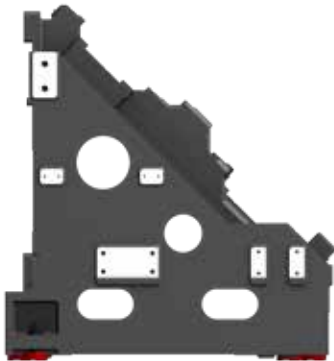


01

L2100SY
L2600SY

L2100SY Basic Features

High productivity Y-axis CNC turning center



01

High Accuracy, High Rigidity FEM Bed Design

The bed structure is designed with combination of square type and tubular rib structure. It has a slope of 45° which helps maintain high rigidity. It shows great performance in heavy duty cutting, absorbing vibration and maintaining accuracy.

Box Guideway

All axes of L2100-2600SY Series is designed with Box Guideways for better travel ability. Box Guideways show great performance in offsetting vibrations caused by heavy duty cutting.



02

Main Spindle

Heat produced by the main spindle is blocked by applying a symmetric one-piece base and an insulation plate. This enables maintenance of high accuracy even during a long period of machining.



04

BMT Turret

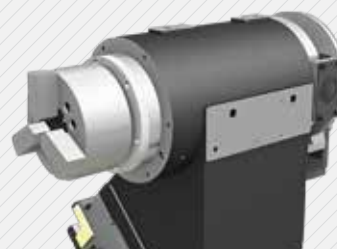
The BMT holder is firmly fixed with 4 screws, keeping it in place during heavy operations, especially during milling, drilling, and tapping.



03

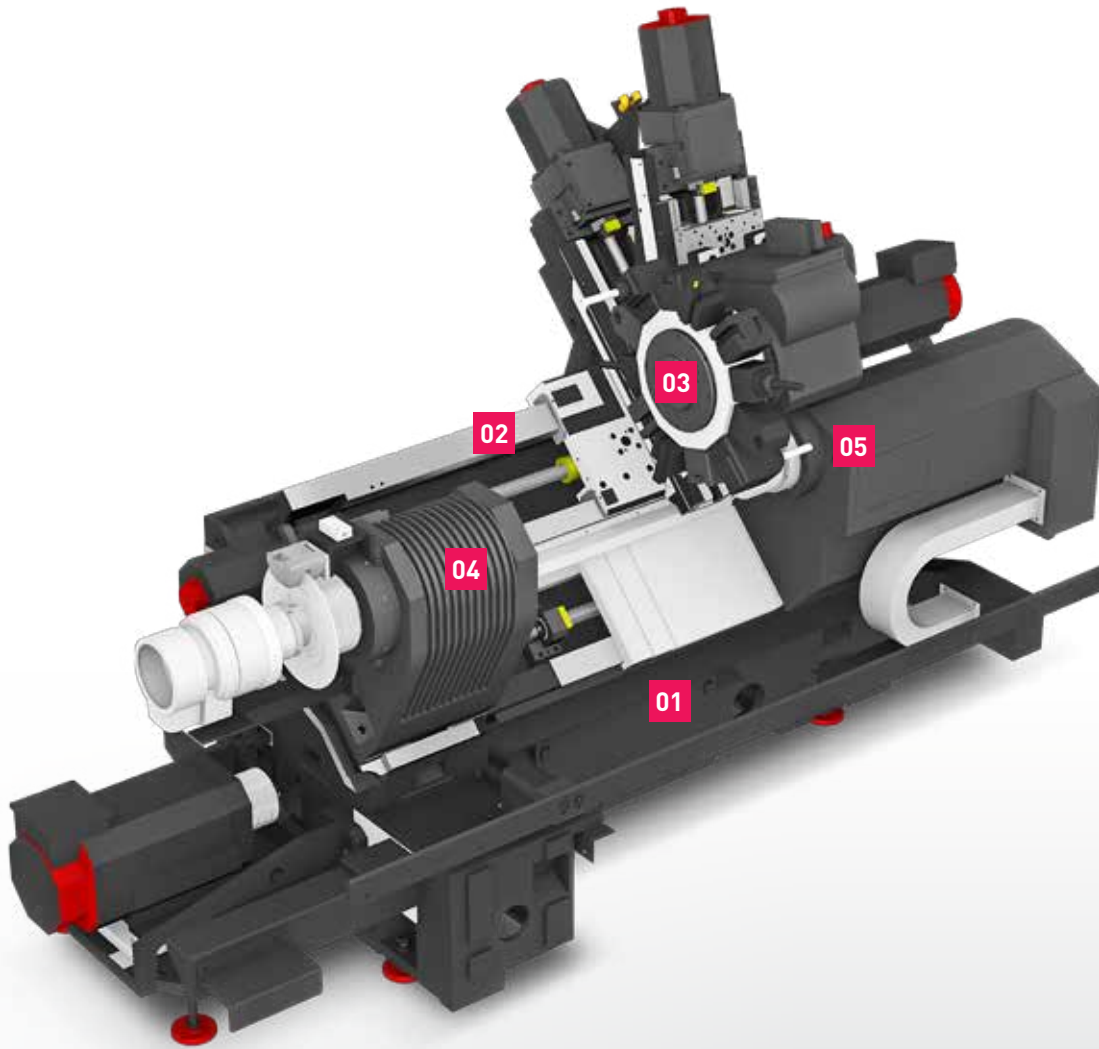
6" Sub Spindle (L2100SY)

The sub spindle is equipped with built-in motor and headstock cooling device as standard to minimize thermal displacement. Also, the use of sub spindle reduces setup time, improving productivity.



05

Basic Structure



Reduction of Non-Cutting Time

◉ Main Spindle

Speed : **4,500** rpm Output : **15/11** kW (**20/15** HP) Torque : **254.2/186.5** N·m (**187.5/137.5** lbf·ft)

◉ Sub Spindle

Speed : **6,000** rpm Output : **7.5/5.5** kW (**10/7.4** HP) Torque : **59.7/43.8** N·m (**44/32.3** lbf·ft)

◉ Travel

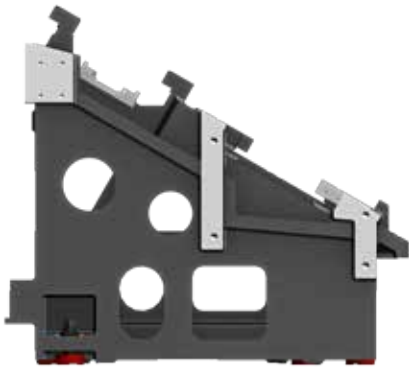
L2100Y (X/Y/Z) : **210/100{±50}/540** mm (**8.2"/4" {±1.9"}/21.2"**)

L2100SY (X/Y/Z/ZB) : **210/100{±50}/580/500** mm (**8.2"/4" {±1.9"}/22.8"/19.7"**)

02 L2600SY Structure

L2100SY
L2600SY

Various Types of Machining Available with One Initial Setup



01

30° Slant Type Bed

The one-piece 30° slant bed design based on FEM analysis provides improvement in vibration absorption and machining stability during heavy duty cutting.

Box Guideway

All axes of L2100–2600SY Series is designed with Box Guideways for better travel ability. Box Guideways show great performance in offsetting vibrations caused by heavy duty cutting.



02

Main Built-In Spindle

Heat produced by the main spindle is blocked by applying a symmetric one-piece base and an insulation plate. This enables maintenance of high accuracy even during a long period of machining.



03

BMT Turret

The BMT holder is firmly fixed with 4 screws, keeping it in place during heavy operations, especially during milling, drilling, and tapping.



04

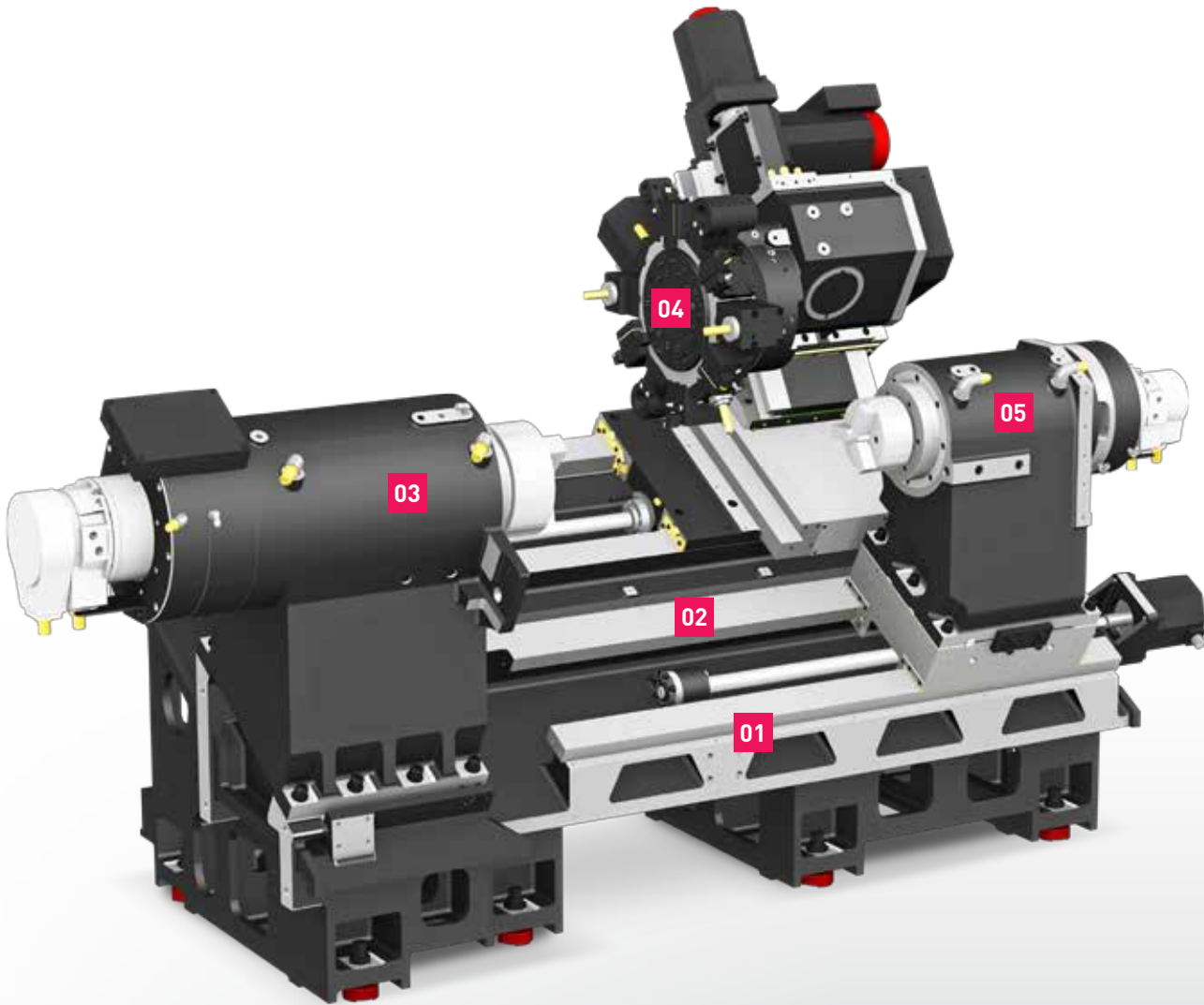
6" Sub Spindle (L2600SY)

The sub spindle is equipped with built-in motor and headstock cooling device as standard to minimize thermal displacement. Also, the use of sub spindle reduces setup time, improving productivity.



05

Basic Structure



Reduction of Non-Cutting Time

● Main Spindle

Speed : **4,000** rpm Output : **22/15** kW (**29.5/20** HP)
Torque : **599/409[700/398]** N·m (**441.7/301.6[516.3/293.5]** lbf·ft)

● Sub Spindle

Speed : **6,000 [6,000]** rpm Output : **15/11 [15/11]** kW (**20/15 [20/15]** HP)

● Travel

L2600Y (X/Y/Z) : **265/120{±60}/830** mm (**10.4"/4.7"{±2.4"}/32.7"**)
L2600SY (X/Y/Z/ZB) : **265/120{±60}/830/830** mm (**10.4"/4.7"{±2.4"}/32.7"/32.7"**)

03

L2100SY
L2600SY

High Precision Spindle

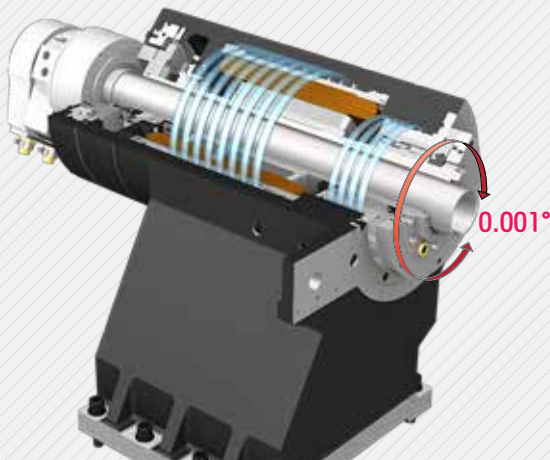
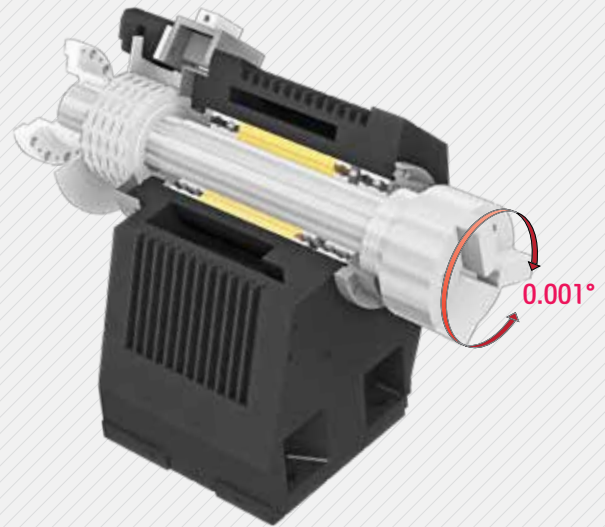
Long Lasting High Accuracy & Excellent Performance
CNC Turning Center

Symmetrical Heat Behavior Structure Headstock

Rigidity is improved by enlarging the spindle's diameter and increasing thickness. Also, designed with angular contact bearings, high precision is maintained.

L2100SY Main Spindle (Belt)

Main spindle has a wide torque range and it is designed to minimized thermal displacement. This enables accurate machining even during high speed constant processing.



L2600SY Built-In Main Spindle

L2600SY features a built-in type spindle which effectively reduces noise, heat and vibration at high speed range. Also, rapid acc/ deceleration reduces non-cutting time leading to higher productivity.

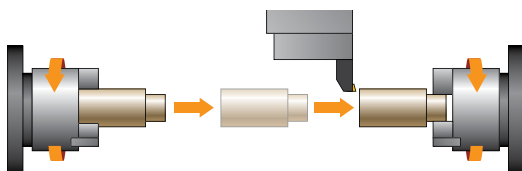
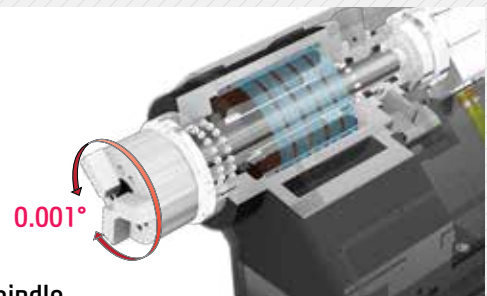
C-Axis Control

C-axis control of main and sub spindle allows machining of various products. Especially with the use of live tools on the Y-axis.

Built-In Sub Spindle

The 6" sub spindle with C-axis control offers wide range of operations and better machining ability.

Bar Capacity L2100SY : $\varnothing 46$ r/min L2500SY : $\varnothing 81$ r/min



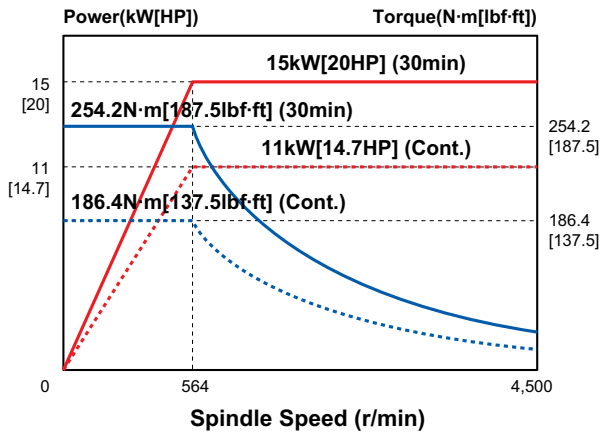
Machining with Sub Spindle

Once the processing on the main spindle is completed, the sub spindle rotates at the same rate as the main spindle and the workpiece is handed over to the sub spindle.

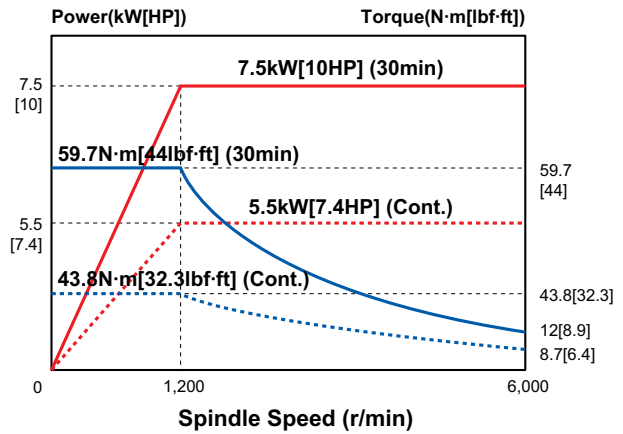
Once the workpiece is secured in the sub spindle rear processing is possible. This enhanced productivity by saving workpiece setup time.

Spindle

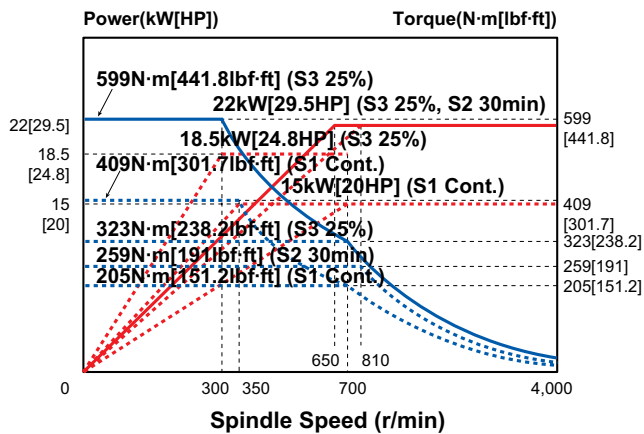
L2100SY Main Spindle



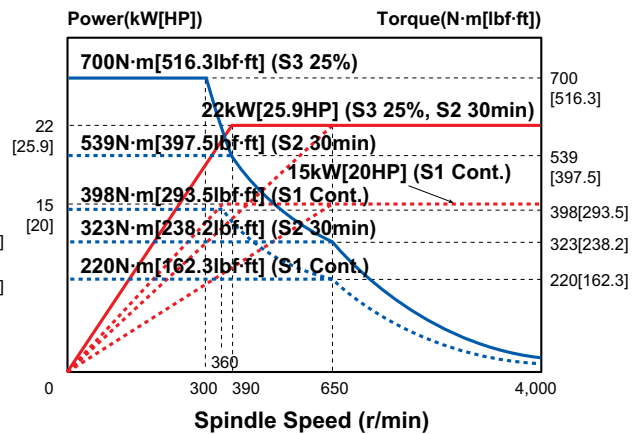
L2100SY Sub Spindle



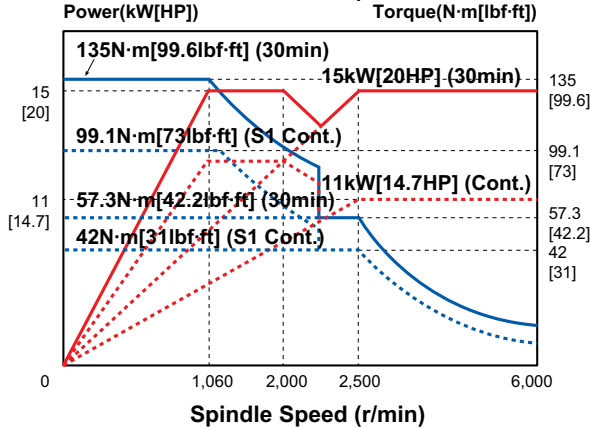
L2600SY Main Spindle



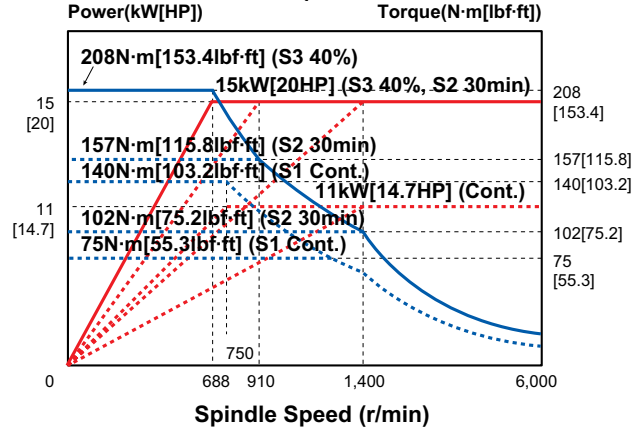
L2600SY Main Spindle **OPTION**



L2600SY Sub Spindle



L2600SY Sub Spindle **OPTION**



04

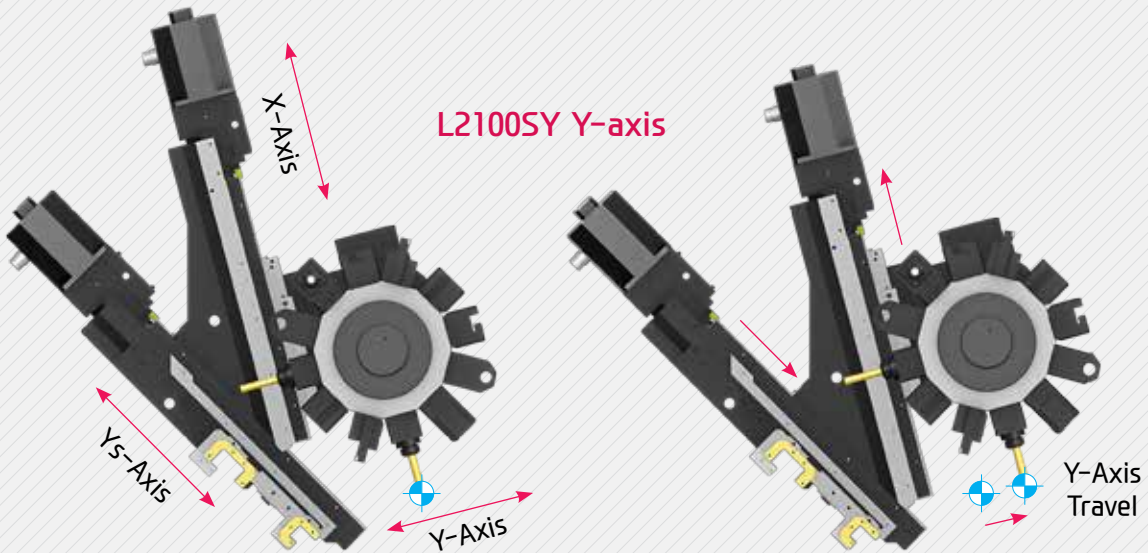
L2100SY
L2600SY

Y-Axis Function

High speed, High Accuracy, Highly Reliable
BMT Turret



Wedge Type Y-axis Structure



Mill Turret (BMT Turret)

High precision is maintained by securing tool holders with 4 screws on the BMT turret.



L2100SY BMT65P

- Output : 5.5/3.7 kW (7.4/5 HP)
- Speed : 5,000 rpm
- Collet size : Ø20 (Ø0.8") (ER32)
- Live Tool Type : BMT65P
- Indexing Time : 0.2 sec/step

L2600SY BMT65P

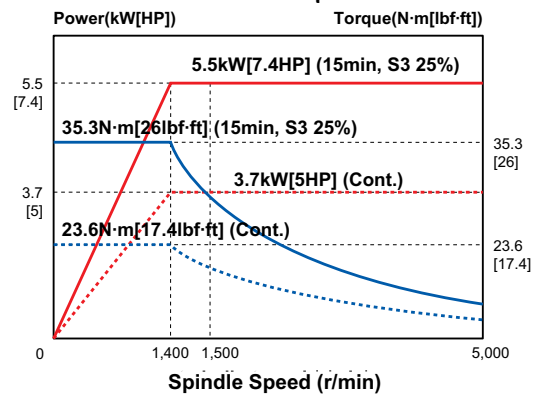
- Output : Std. : 5.5 / 1.5 kW (7.4/2 HP)
Opt. : 7.5 / 5.5 kW (10/7.4 HP)
- Speed : 6,000 rpm
- Collet size : Ø25 (Ø1") (ER40)
- Live Tool Type : BMT65P
- Indexing Time : 0.15 sec/step



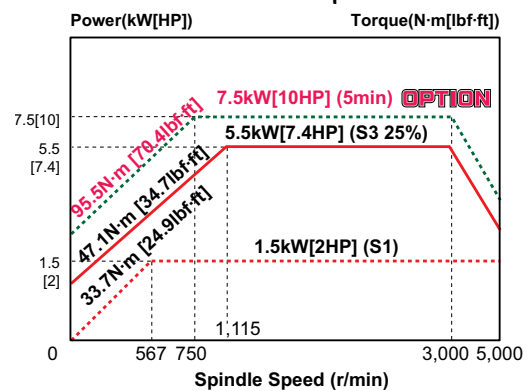
Mill Tool Holder

Machining capability has increased with the addition of straight milling head tool holder, which can machine workpieces from the side, and angular milling head tool holder, which can perform I.D. operations.

L2100SY Mill Spindle



L2600SY Mill Spindle



05
L2100SY
L2600SY

Special Tool Holders

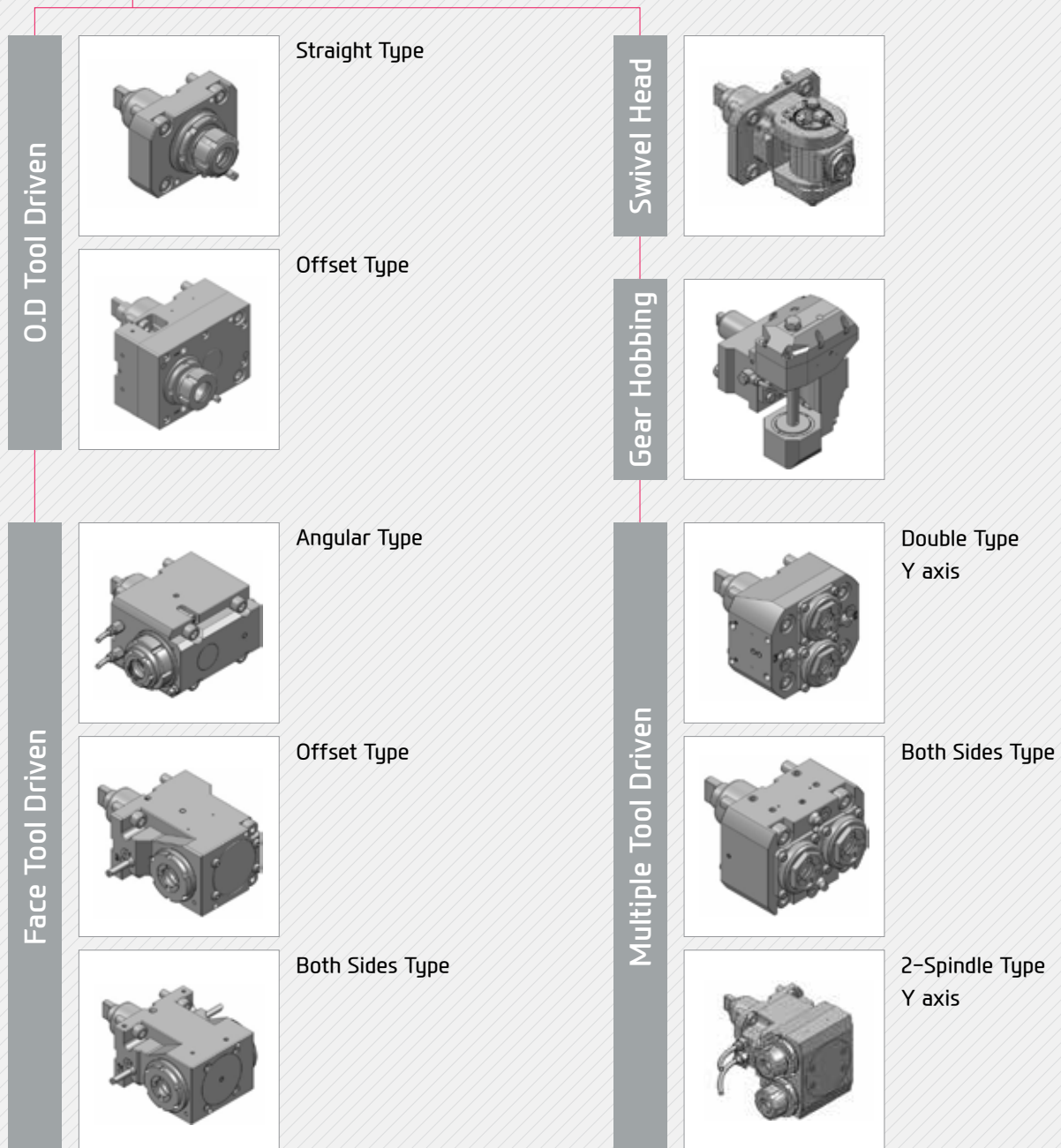
Various Tool Holders for Various Operations





BMT Tooling System

L2100/2600SY Series with Y-axis is capable of machining complex products with the use of various live tool holders.



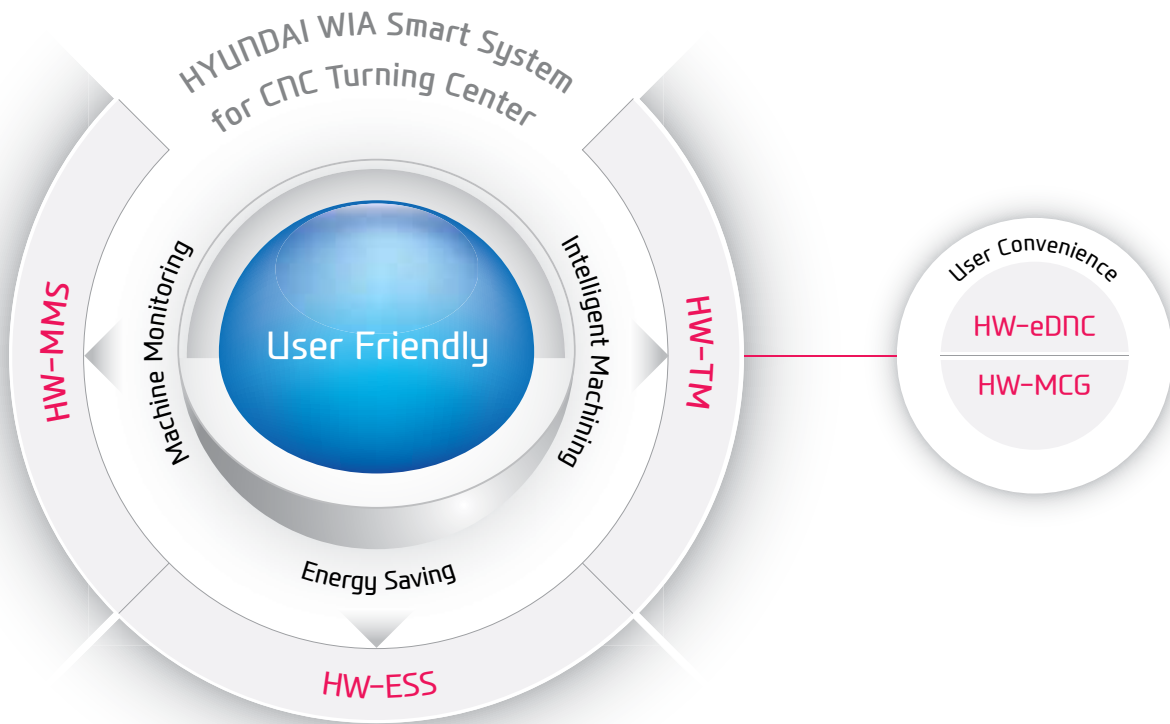
❖ Consultation needed when ordering these options.

06
L2100SY
L2600SY

Smart System



Software for Smart Operating
and Machining



HW-PGi F (HYUNDAI WIA Programming Guide i for Fanuc System)

(Standard when applying FANUC 31/32i)



Realistic 3D solid animation

Programming simulation



Example of easy programming

Easy programming interactively
without code



Engraving Cycle

Programming with only entering text by
controlling C-axis

HYUNDAI WIA Smart System

Faster processing and enhanced accuracy in are possible through the **HYUNDAI WIA Smart System**. The user friendly software and equipment monitoring of the Smart System maximizes productivity.



HW-eDNC
HYUNDAI WIA ethernet
Direct Numerical Control

This software allows transmission of NC data between PC and a machine's CNC. The processing programs can be managed on the PC through the ethernet or serial communication.



HW-MCG
HYUNDAI WIA
Machine Guidance

Software that offers operation, maintenance, management monitoring and various user friendly features.



HW-TM
HYUNDAI WIA
Tool Monitoring

A tool monitoring software which analyzes the load of the spindle motor to determine and monitor possible damage of tools.



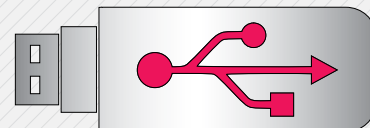
HW-ESS
HYUNDAI WIA
Energy Saving System

An environmental friendly software that reduces the unnecessarily wasted standby power waiting for an operation.



HW-MMS
HYUNDAI WIA
Machine Monitoring System

This software is for remote control monitoring of equipment status (mobile, PC.) It checks and manages the state of multiple machines and the progress of processing on a real time basis.



USB Port

(Only HYUNDAI WIA FANUC Series)

Convenience is increased when inputting and outputting program. The USB port is available in addition to the former input output methods such as CF memort card and LAN.

07

L2100SY
L2600SY

User Convenience

Various Devices for User Convenience

Automatic Q-Setter



Quick and accurate tool calibration can be done by contacting the tool tip with the sensor. This process is done easily with the use of M-Code and the calibration process takes roughly 30 seconds.

Precision Device **OPTION**

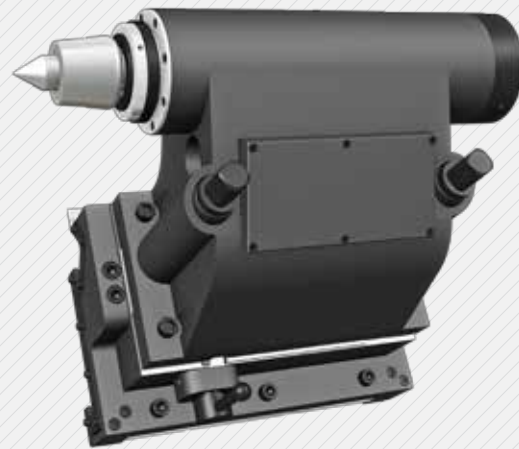
Linear Scale

Linear scale and rotary scale help process highly accurate products through precise locating.



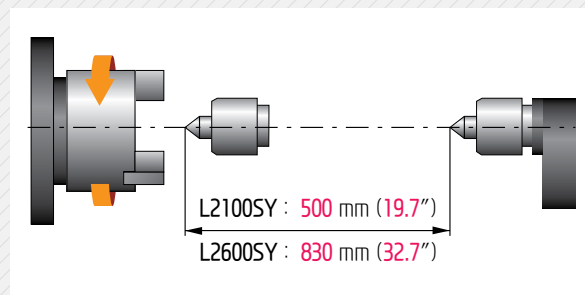
MT#5 Quill Tail Stock

L2100Y/2600Y



NC Tail Stock (L2600Y) **OPTION**

NC tail stock can be moved separately, providing convenience during workpiece setup.



- The large (MT#5) tail stock ensures high accuracy during heavy duty cutting.
- The quill movement can be controlled by foot pedal or program.
- The body can be moved by connecting to the saddle and using the JOG button or MPG.

Type : **Quill** Quill Travel : **120mm (4.7")**

Quill Dia. : **Ø100 (3.9")**

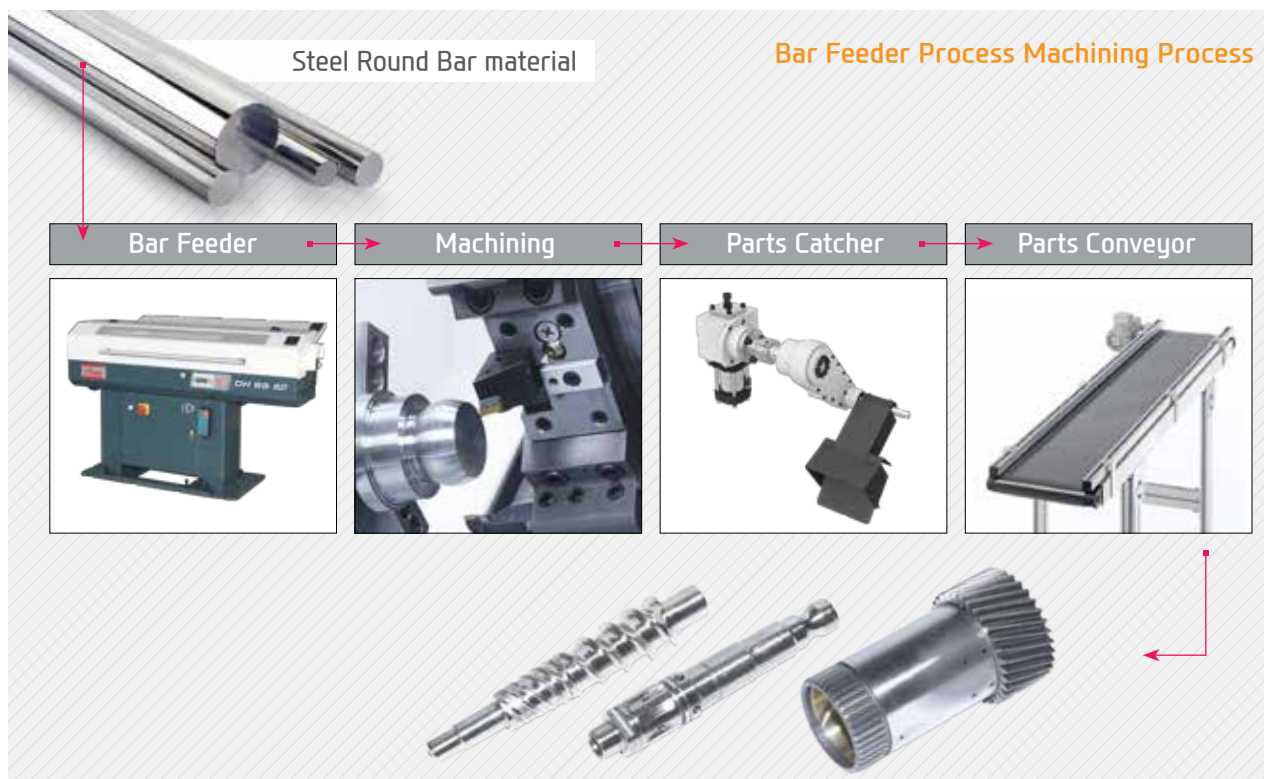
Optional

Bar Feeder System **OPTION**

Bar Feeder

Bar feeder system enables automation which leads to efficiency improvement.

Long Type	3m (118.1")
Max load processing capa.	Ø42 (1.7")
Shot Type	1.5m (59.1")
Max load processing capa.	Ø65 (2.6")



SPECIFICATIONS

Standard & Optional

Spindle & Chuck		L2100Y	L2100SY
Main Spindle		●	●
Hollow Chuck 3 Jaw	8"	●	●
Main Spindle		☆	☆
Solid Chuck 3 Jaw	8"	☆	☆
Sub Spindle		-	●
Hollow Chuck 3 Jaw	6"	-	●
Sub Spindle		-	☆
Solid Chuck 3 Jaw	6"	-	☆
Standard Soft Jaw (1set)		●	●
Chuck Clamp Foot Switch		●	●
2 Steps Hyd. Pressure Device		○	○
Spindle Inside Stopper		☆	☆
5° Index		☆	☆
Cs-Axis (0.001")		●	●
2 Steps Chuck Foot Switch		○	○
Chuck Open/Close Confirmation Device		○ (CE:●)	○ (CE:●)
Sub Spindle Foot Switch		-	●
Turret			
Tool Holder		●	●
Mill Turret	Radial	●	●
Straight Milling Head (Radial)	Collet Type,2ea	●	●
Angular Milling Head (Axial)	Collet Type,2ea	●	●
Straight Milling Head (Radial)	Adapter Type	○	○
Angular Milling Head (Axial)	Adapter Type	○	○
Boring Sleeve		●	●
Drill Socket		●	●
U-Drill Holder		○	○
U-Drill Holder Sleeve		○	○
O.D Extension Holder	For Out-Dia	☆	☆
Swivel Head		☆	☆
Tail Stock & Steady Rest			
Quill Type Tail Stock		●	-
Built in Tail Stock		-	-
Programmable Tail Stock		●	-
Manual Hyd. Steady Rest		☆	☆
Programmable Hyd. Steady Rest		-	-
Standard Live Center		●	-
High Precision Live Center		○	-
2 Steps Tail Stock Pressure System		☆	-
Tail Stock Foot Switch		●	-
Quill Forward/Reverse Confirmation Device		☆	-
Coolant & Air Blow			
Standard Coolant (Nozzle)		●	●
Chuck Coolant (Upper Chuck)		○	○
Gun Coolant		○	○
Through Spindle Coolant (Only for Special Chuck)		☆	☆
Thru Coolant for Live Tool		-	-
Chuck Air Blow (Upper Chuck)		○	○
Sub Spindle Air Blow		-	○
Tail Stock Air Blow (Upper Tail Stock)		☆	-
Turret Air Blow		☆	☆
Air Gun		○	○
Through Spindle Air Blow (Only for Special Chuck)		☆	☆
High Pressure Coolant	0.5Bar (7.2psi)	●	●
	6Bar (87psi)	○	○
	20Bar (290psi)	○	○
Power Coolant System (For Automation)		☆	☆
Coolant Chiller		☆	☆
Chip Disposal			
Coolant Tank	220 ℓ (58.1 gal)	●	●
Chip Conveyor (Tank Position/Chip Disposal)	Hinge Scraper	○	○
	Right(Right)	○	○
Special Chip Conveyor (Drum Filter)	Standard (180 ℓ [47.5 gal])	○	○
	Swing (200 ℓ [52.8 gal])	○	○
Chip Wagon	Large Swing (290 ℓ [76.6 gal])	○	○
	Large Size (330 ℓ [87.2 gal])	○	○
	Customized	☆	☆
		☆	☆

● : Standard ○ : Option ☆ : Prior Consultation - : Non Applicable

Safety Device		L2100Y	L2100SY
Door Inter-Lock		●	●
Total Splash Guard		●	●
Chuck hydraulic pressure maintenance interlock		○ (CE:●)	○ (CE:●)
Back Spin Torque Limiter (BST)		●	●
Torque Limiter		☆	☆
Electric Device			
Call Light	1Color : ●	●	●
Call Light	3Color : ●●●	○	○
Call Light & Buzzer	3Color : ●●●B	○	○
Electric Cabinet Light		○	○
Remote MPG		-	-
Spindle Load Meter	LED Type	○	○
Spindle Speed Meter	LED Type	○	○
Work Counter	Digital	○	○
Total Counter	Digital	○	○
Tool Counter	Digital	○	○
Multi Tool Counter	6ea	○	○
	9ea	○	○
Electric Circuit Breaker		○	○
AVR (Auto Voltage Regulator)		☆	☆
Transformer	30kVA	○	-
	40kVA	-	○
Auto Power Off		○	○
Measurement			
Q-Setter		-	-
Automatic Q-Setter		●	●
Work Close Confirmation Device (Only for Special Chuck)	TACO SMC	○	○
Work Setter (Renishaw /Marpos)		☆	☆
Linear Scale	X axis	☆	☆
	Z axis	☆	☆
Coolant Level Sensor (Only for Chip Conveyor)		☆	☆
Environment			
Air Conditioner		○	○
Dehumidifier		○	○
Oil Mist Collector		○	○
Oil Skimmer (Only for Chip Conveyor)		○	○
MQL (Minimal Quantity Lubrication)		☆	☆
Fixture & Automation			
Auto Door	High Speed	○	○
Auto Shutter (Only for Automatic System)		☆	☆
Sub Operation Panel		☆	☆
Bar Feeder Interface		○	○
Bar Feeder (FEDEK)		☆	☆
Sub Sp. Work Eject (Pneumatic Type)		-	○
Sub Sp. Work Pusher (Spring Type)		-	○
Turret Work Pusher (For Automation)		☆	☆
Extra M-Code 4ea		○	○
Automation Interface		☆	☆
I/O Extension (IN & OUT)	16Contact	○	○
	32Contact	○	○
Parts Catcher	Main SP.	○	○
	Sub SP.	-	○
Parts Conveyor		☆	☆
Front Loading Semi Automation		☆	☆
Hyd. Device			
Standard Hyd. Cylinder	Hollow	●	●
Standard Hyd. Unit	35bar(507.6psi) / 14 ℓ (3.7gal)	●	●
S/W			
Machine Guidance (HW-MCG : FANUC)		☆	☆
Tool Monitoring (HW-TM : FANUC)		○	○
DNC software (HW-eDNC : FANUC)		○	○
Energy Saving System (HW-ESS : FANUC)		☆	☆
Machine Monitoring System (HW-MMS : FANUC)		☆	☆
ETC			
Tool Box		●	●
Customized Color	Need Munsel No.	☆	☆
CAD & CAM		☆	☆

SPECIFICATIONS

Standard & Optional

● : Standard ○ : Option ☆ : Prior Consultation - : Non Applicable

Spindle & Chuck		L2600Y	L2600SY
Main Spindle	10"	●	●
Hollow Chuck 3 Jaw			
Main Spindle	10"	☆	☆
Solid Chuck 3 Jaw			
Sub Spindle	6"	-	●
Hollow Chuck 3 Jaw			
Sub Spindle	6"	-	☆
Solid Chuck 3 Jaw			
Standard Soft Jaw (1set)		●	●
Chuck Clamp Foot Switch		●	●
2 Steps Hyd. Pressure Device		○	○
Spindle Inside Stopper		☆	☆
5" Index		☆	☆
Cs-Axis (0.001")		●	●
2 Steps Chuck Foot Switch		○	○
Chuck Open/Close Confirmation Device		○(CE:●)	○(CE:●)
Sub Spindle Foot Switch		-	●
Turret			
Tool Holder		●	●
Mill Turret	Radial	●	●
Straight Milling Head (Radial)	Collet Type,2ea	●	●
Angular Milling Head (Axial)	Collet Type,2ea	●	●
Straight Milling Head (Radial)	Adapter Type	○	○
Angular Milling Head (Axial)	Adapter Type	○	○
Boring Sleeve		●	●
Drill Socket		●	●
U-Drill Holder		○	○
U-Drill Holder Sleeve		○	○
O.D Extension Holder	For Out-Dia	☆	☆
Swivel Head		☆	☆
Tail Stock & Steady Rest			
Quill Type Tail Stock		●	-
Built in Tail Stock		●	-
Programmable Tail Stock		-	-
NC Tail Stock		○	-
Manual Hyd. Steady Rest		☆	☆
Programmable Hyd. Steady Rest		-	-
Standard Live Center		●	-
High Precision Live Center		○	-
2 Steps Tail Stock Pressure System		☆	-
Tail Stock Foot Switch		●	-
Quill Forward/Reverse Confirmation Device		☆	-
Coolant & Air Blow			
Standard Coolant (Nozzle)		●	●
Chuck Coolant (Upper Chuck)		○	○
Gun Coolant		○	○
Through Spindle Coolant (Only for Special Chuck)		☆	☆
Thru Coolant for Live Tool		-	-
Chuck Air Blow (Upper Chuck)		○	○
Sub Spindle Air Blow		-	○
Tail Stock Air Blow (Upper Tail Stock)		☆	-
Turret Air Blow		☆	☆
Air Gun		○	○
Through Spindle Air Blow (Only for Special Chuck)		☆	☆
High Pressure Coolant	0.5Bar (7.2psi)	●	●
	6Bar (87psi)	○	○
	20Bar (290psi)	○	○
	70Bar (1015psi)	○	○
Power Coolant System (For Automation)		☆	☆
Coolant Chiller		☆	☆
Chip Disposal			
Coolant Tank	220ℓ (58.1 gal)	●	●
Chip Conveyor	Hinge	○	○
	Scraper	○	○
(Tank Position/Chip Disposal)	Rear(Rear)	○	○
Special Chip Conveyor (Drum Filter)		☆	☆
Chip Wagon	Standard (180ℓ [47.5 gal])	○	○
	Swing (200ℓ [52.8 gal])	○	○
	Large Swing (290ℓ [76.6 gal])	○	○
	Large Size (330ℓ [87.2 gal])	○	○
	Customized	☆	☆

Safety Device		L2600Y	L2600SY
Door Inter-Lock		●	●
Total Splash Guard		●	●
Chuck hydraulic pressure maintenance interlock		○(CE:●)	○(CE:●)
Back Spin Torque Limiter (BST)		●	●
Torque Limiter		☆	☆
Electric Device			
Call Light	1Color : ●	●	●
Call Light	3Color : ●●●	○	○
Call Light & Buzzer	3Color : ●●●B	○	○
Electric Cabinet Light		○	○
Remote MPG		-	-
Spindle Load Meter	LED Type	○	○
Spindle Speed Meter	LED Type	○	○
Work Counter	Digital	○	○
Total Counter	Digital	○	○
Tool Counter	Digital	○	○
Multi Tool Counter	6ea	○	○
	9ea	○	○
Electric Circuit Breaker		○	○
AVR (Auto Voltage Regulator)		☆	☆
Transformer	30kVA	○	-
	40kVA	-	○
Auto Power Off		○	○
Measurement			
Q-Setter		-	-
Automatic Q-Setter		●	●
Work Close Confirmation Device	TACO	○	○
(Only for Special Chuck)	SMC	○	○
Work Setter (Renishaw /Marpos)		☆	☆
Linear Scale	X axis	☆	☆
	Z axis	☆	☆
Coolant Level Sensor (Only for Chip Conveyor)		☆	☆
Environment			
Air Conditioner		○	○
Dehumidifier		○	○
Oil Mist Collector		○	○
Oil Skimmer (Only for Chip Conveyor)		○	○
MQL (Minimal Quantity Lubrication)		☆	☆
Fixture & Automation			
Auto Door	High Speed	○	○
Auto Shutter (Only for Automatic System)		☆	☆
Sub Operation Pannel		☆	☆
Bar Feeder Interface		○	○
Bar Feeder (FEDEK)		☆	☆
Sub Sp. Work Eject (Pneumatic Type)		-	○
Sub Sp. Work Pusher (Spring Type)		-	○
Turret Work Pusher (For Automation)		☆	☆
Extra M-Code 4ea		○	○
Automation Interface		☆	☆
I/O Extension (IN & OUT)	16Contact	○	○
	32Contact	○	○
Parts Catcher	Main SP.	○	○
	Sub SP.	-	○
Parts Conveyor		☆	☆
Front Loading Semi Automation		☆	☆
Hyd. Device			
Standard Hyd. Cylinder	Hollow	●	●
Standard Hyd. Unit	35bar(507.6psi) / 14ℓ (3.7gal)	●	●
SAW			
Machine Guidance (HW-MCG : FANUC)		☆	☆
Tool Monitoring (HW-TM : FANUC)		○	○
DFIC software (HW-eDFIC : FANUC)		○	○
Energy Saving System (HW-ESS : FANUC)		☆	☆
Machine Monitoring System (HW-MMS : FANUC)		☆	☆
ETC			
Tool Box		●	●
Customized Color	Need Munsel No.	☆	☆
CAD & CAM		☆	☆

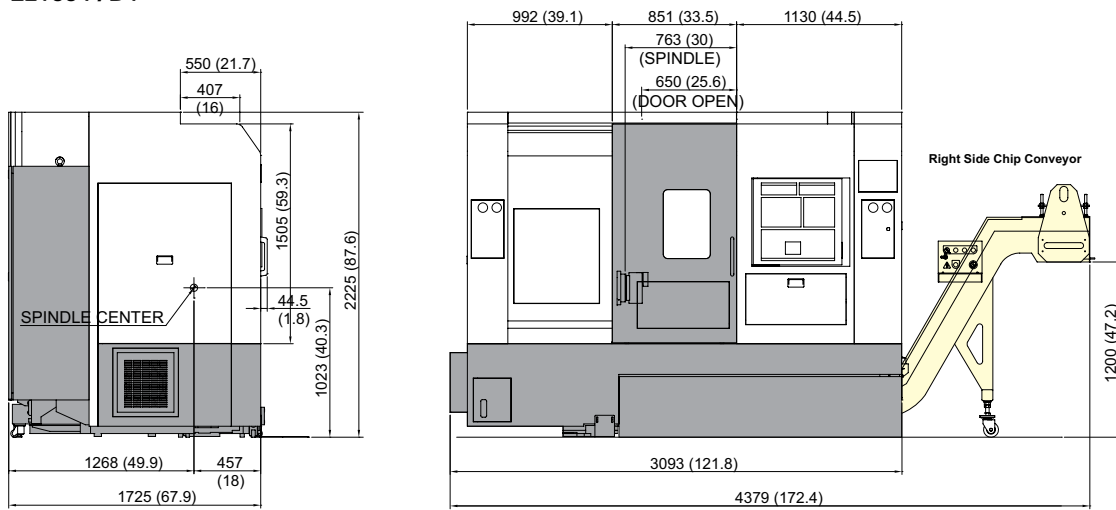
Specifications are subject to change without notice for improvement.

SPECIFICATIONS

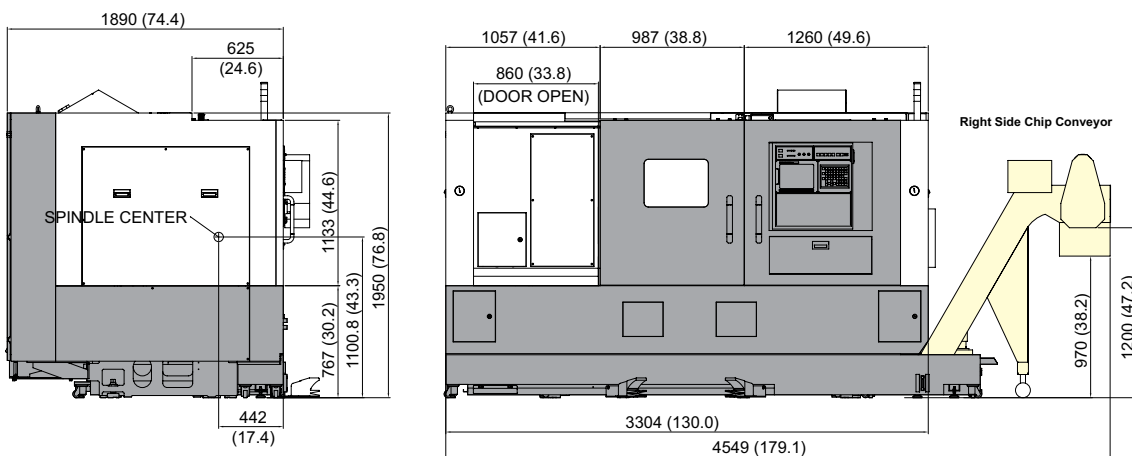
External Dimensions

unit : mm(in)

L2100Y/SY



L2600Y/SY

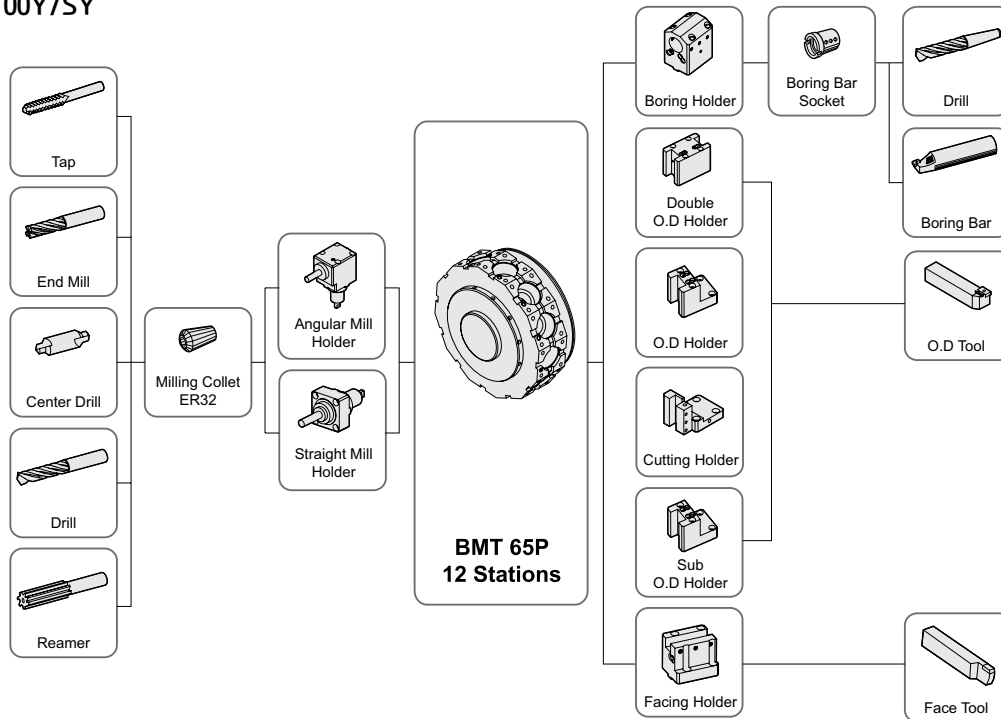


SPECIFICATIONS

Tooling System

unit : mm(in)

L2100Y/SY



Tooling Parts Detail

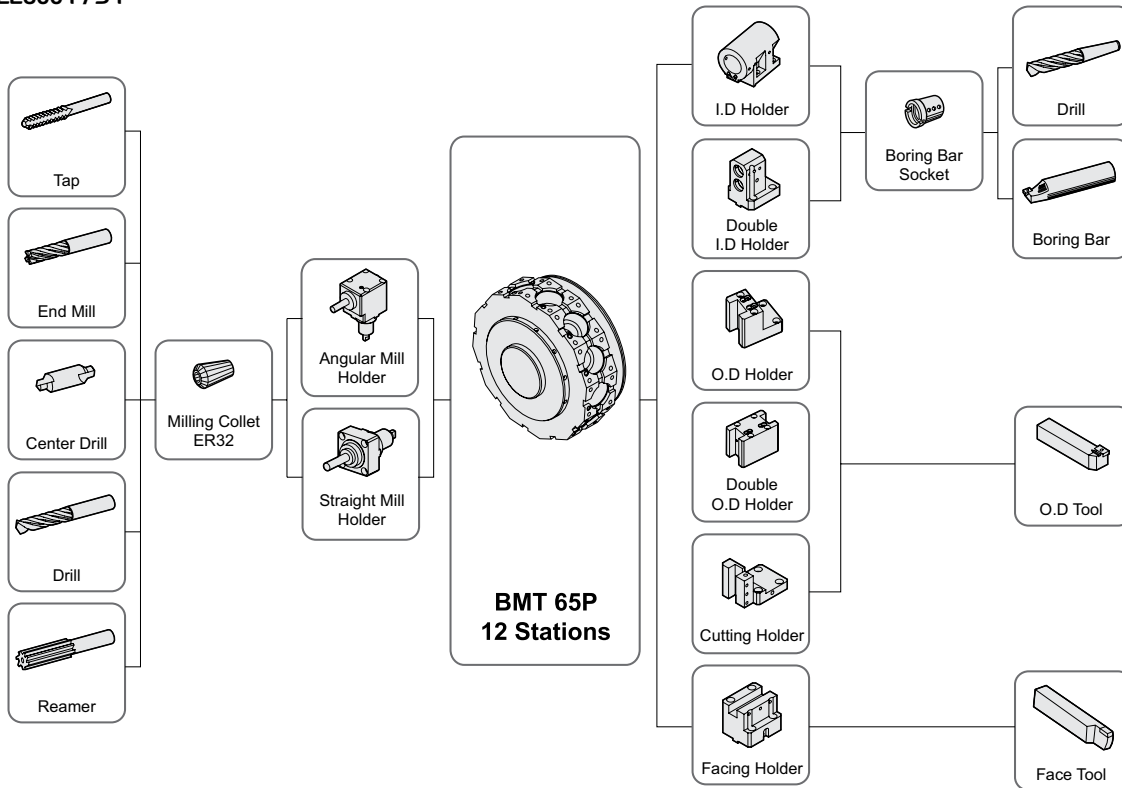
ITEM			L2100Y	L2100SY
Turning Holder	O.D Holder	Main (Right/Left)	4	2
		Sub (Right/Left)	-	2
	Facing Holder	1	1	
	Cutting Holder	-	1	
	Double O.D Holder	-	Opt	
Boring Holder	I.D Holder	Single	3	2
	U-Drill Holder	Tool Holder	Opt	Opt
Driven Holder	Straight Mill Holder	Standard	2	2
	Angular Mill Holder	Standard	2	2
Socket	Boring	Ø10 (3/8")	1	1
		Ø12 (1/2")	1	1
		Ø16 (5/8")	1	1
		Ø20 (3/4")	1	1
		Ø25 (1")	1	1
		Ø32 (1 1/4")	1	1
		Ø40 (1 3/8")	1	1
	Drill	MT 3	1	1
		MT 4	1	1
	ER Collet		1 Set	1 Set

SPECIFICATIONS

Tooling System

unit : mm(in)

L2600Y/SY



Tooling Parts Detail

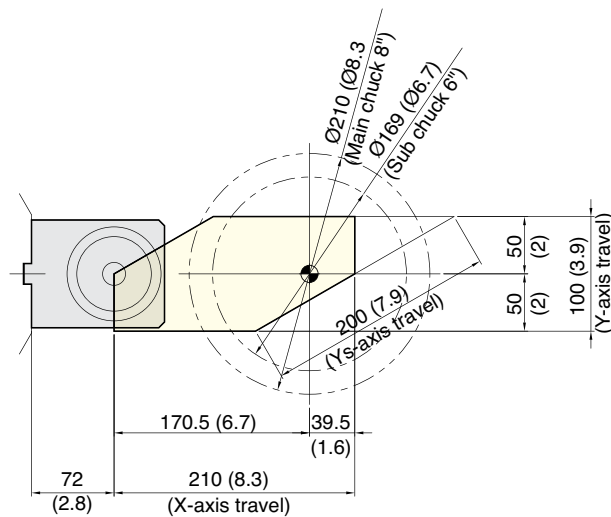
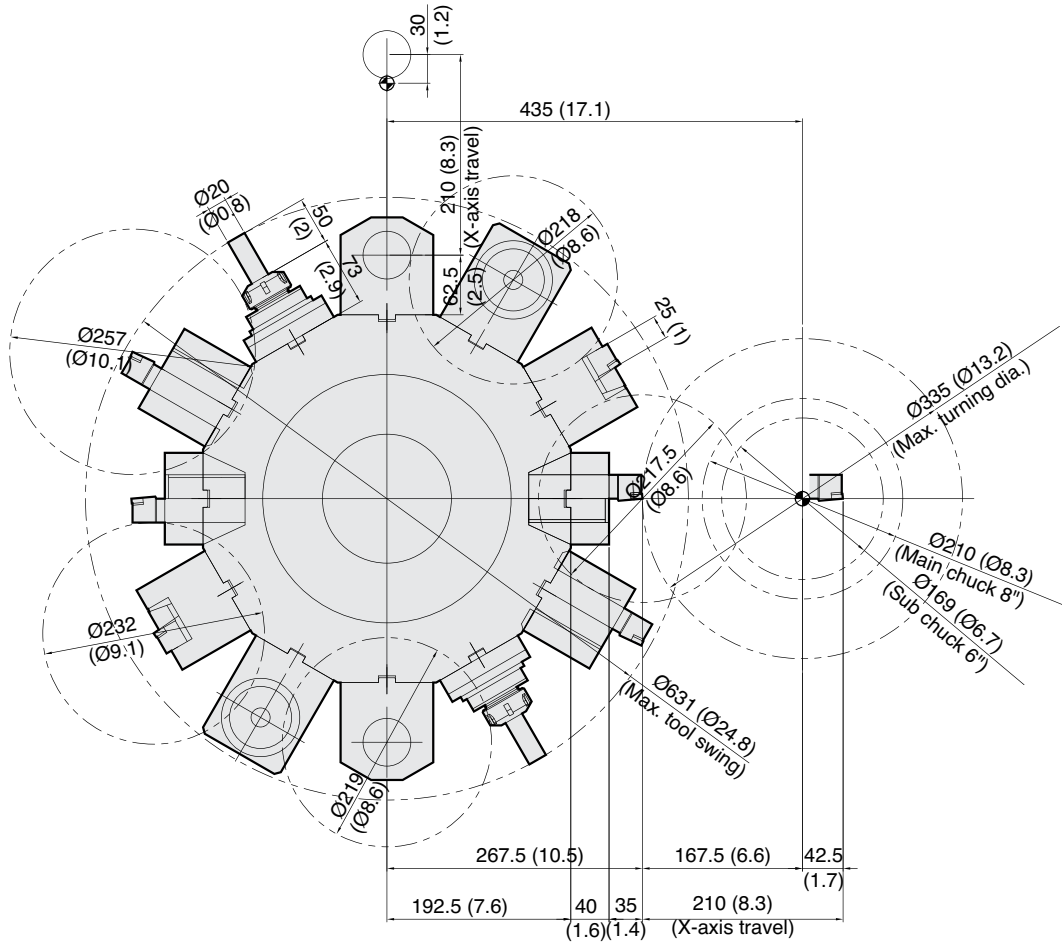
ITEM		L2600Y	L2600SY	
Turning Holder	O.D Holder	Single	4	2
		Double	-	1
	Facing Holder	1	1	
Boring Holder	I.D Holder	Single	3	2
		Double	-	1
	Cutting Holder	-	1	
Driven Holder	Straight Mill Holder	Standard	2	2
	Angular Mill Holder	Standard	2	2
Socket	Boring	Ø16 (5/8")	1	1
		Ø20 (3/4")	1	1
		Ø25 (1")	1	1
		Ø32 (1 1/4")	1	1
		Ø40 (1 3/8")	1	1
	Drill	MT 3	1	1
		MT 4	1	1
ER Collet		1 Set	1 Set	

SPECIFICATIONS

Interference

unit : mm(in)

L2100Y/SY

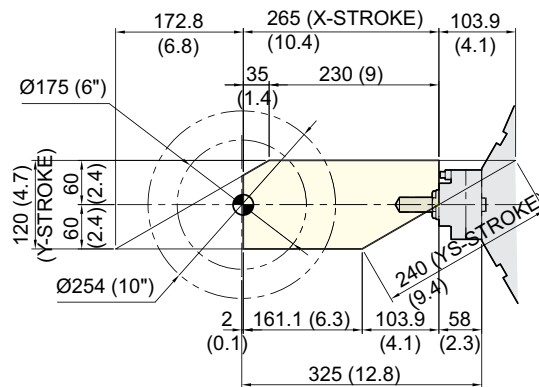
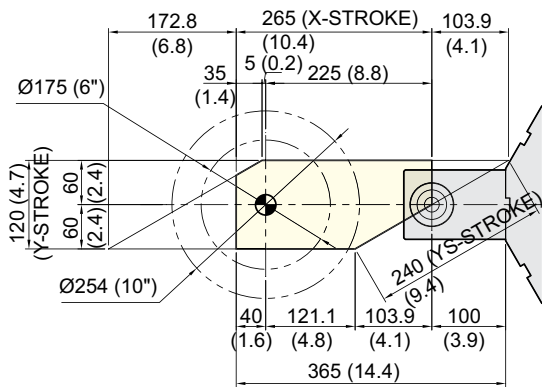
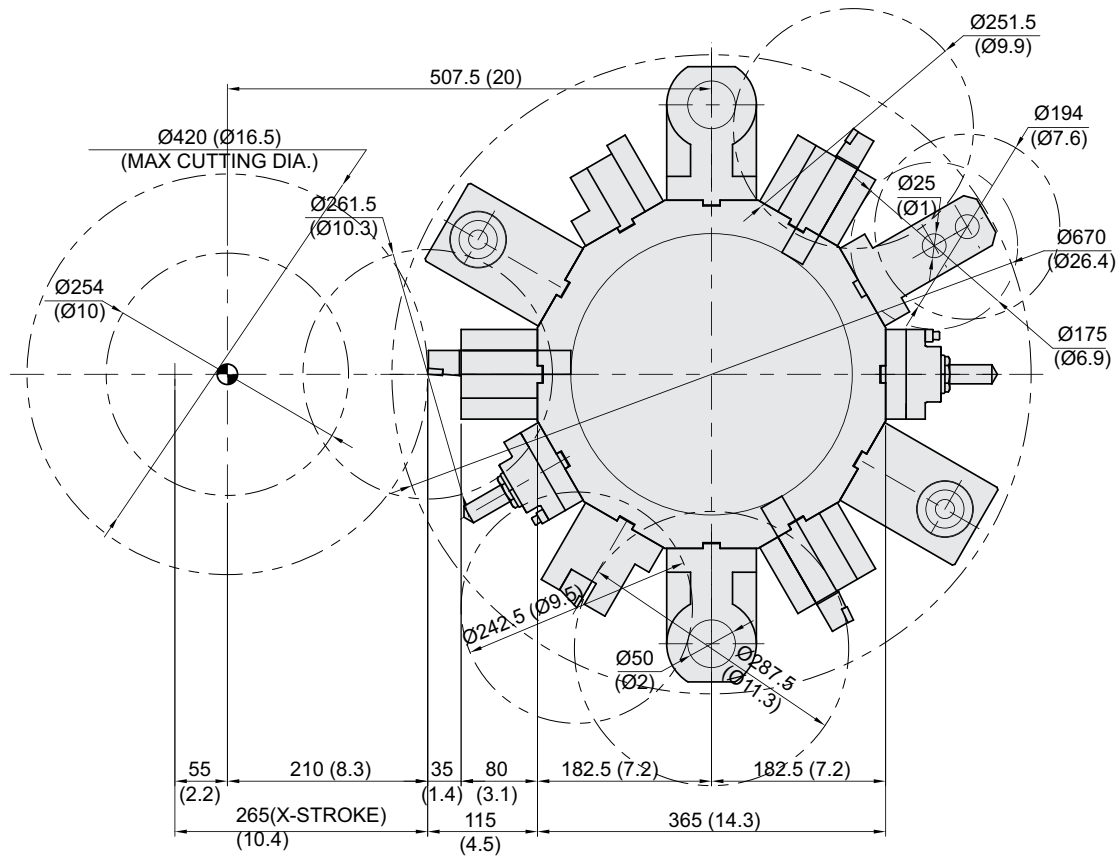


SPECIFICATIONS

Interference

unit : mm(in)

L2600Y/SY



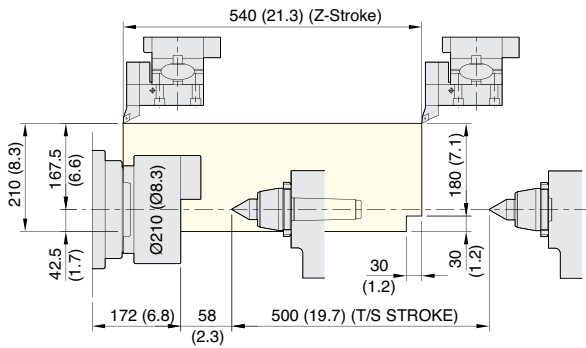
SPECIFICATIONS

Tooling Travel Range

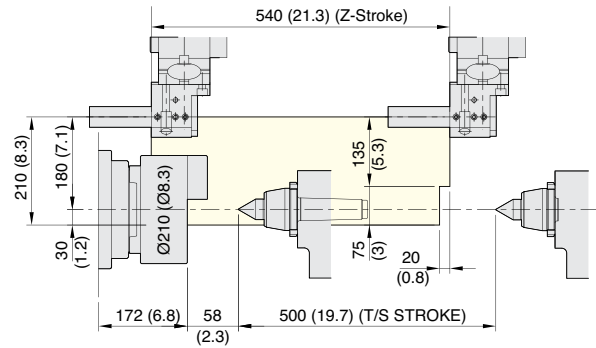
unit : mm(in)

L2100Y

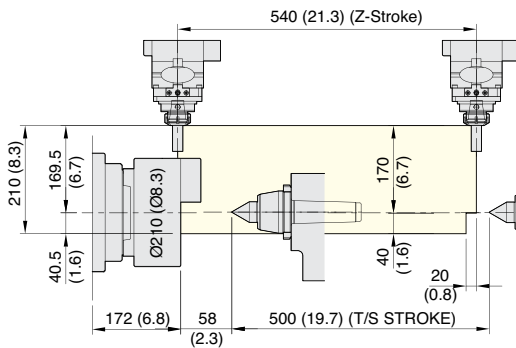
OD Turning Holder



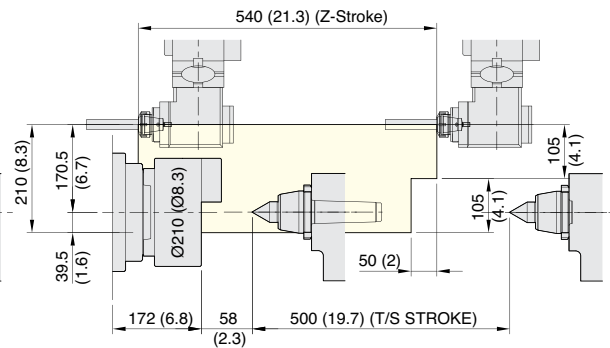
Boring Bar Holder



Axial Driven Holder



Radial Driven Holder



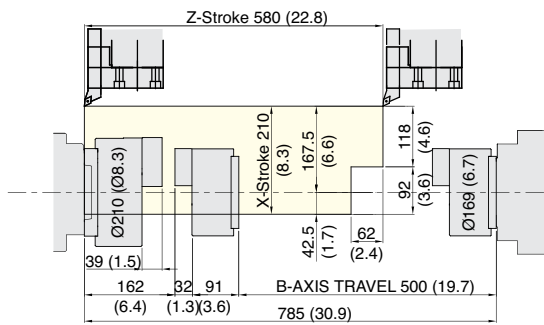
SPECIFICATIONS

Tooling Travel Range

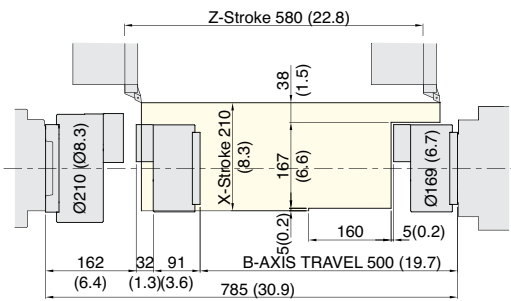
unit : mm(in)

L2100SY

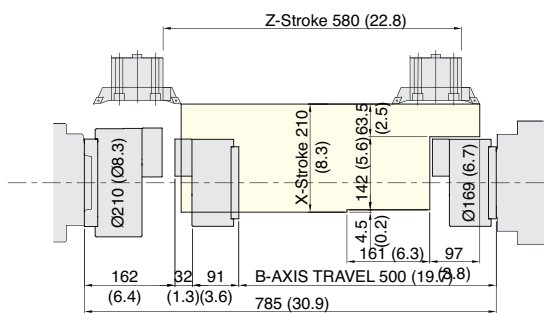
O.D Turnig Holder(Main)



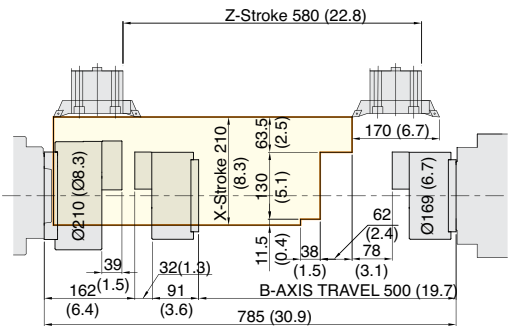
O.D Turnig Holder(Sub)



Face Turnig Holder (Sub)



FACE Turnig Holder(Main)



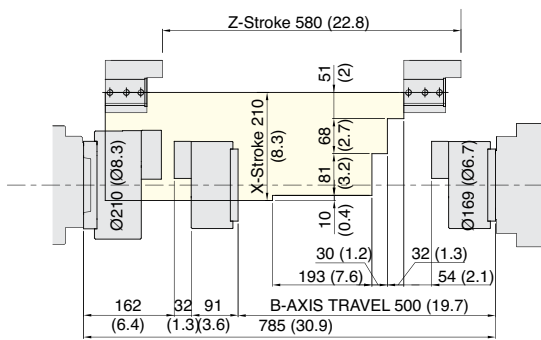
SPECIFICATIONS

Tooling Travel Range

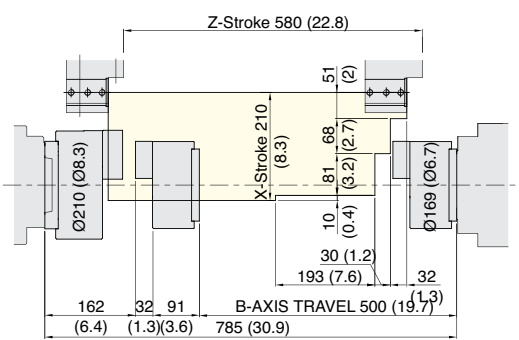
unit : mm(in)

L2100SY

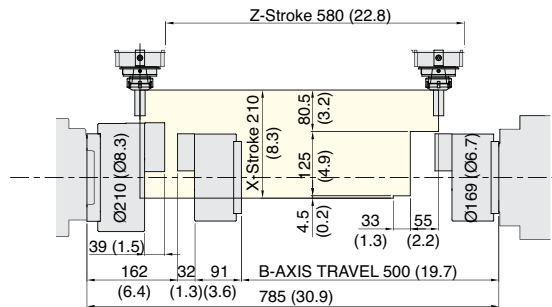
Boring Holder (Main)



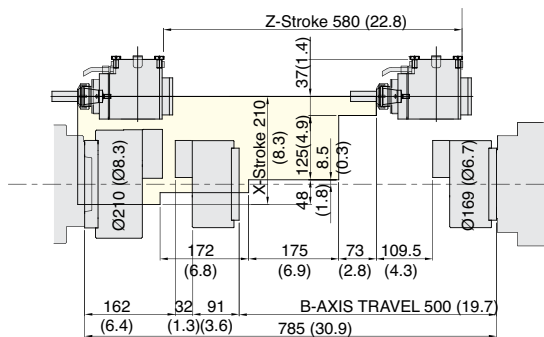
Boring Holder (Sub)



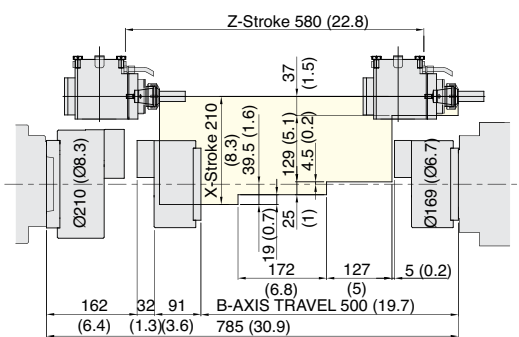
Radial Rotary Holder



Axial Rotary Holder(Main)



Axial Rotary Holder(Sub)



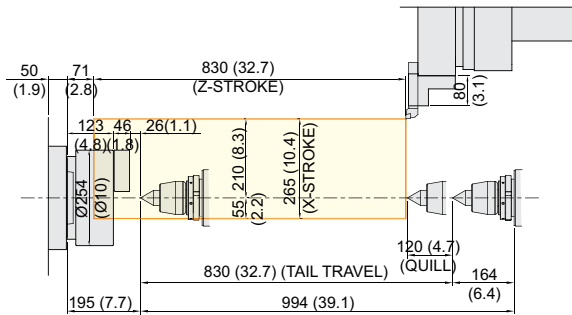
SPECIFICATIONS

Tooling Travel Range

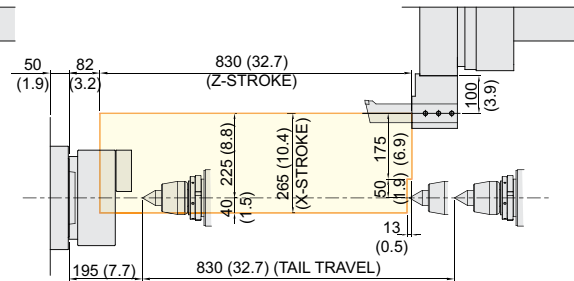
unit : mm(in)

L2600Y

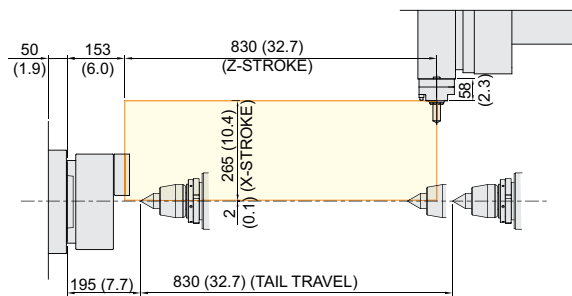
O.D. Tool holder



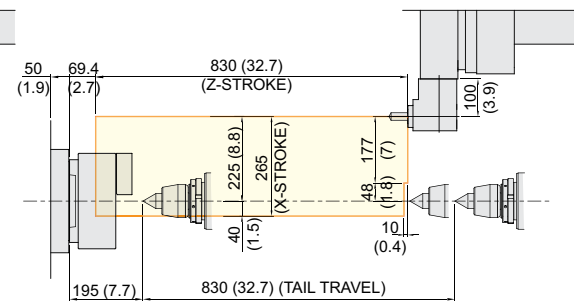
I.D. Tool holder



Straight mill holder



Angular mill holder



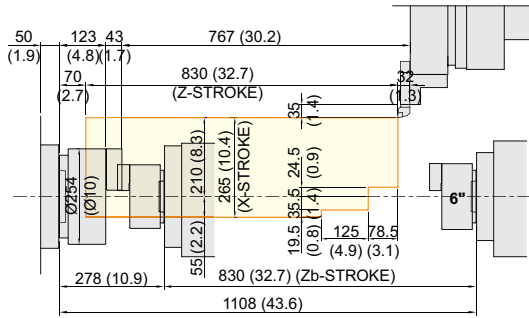
SPECIFICATIONS

Tooling Travel Range

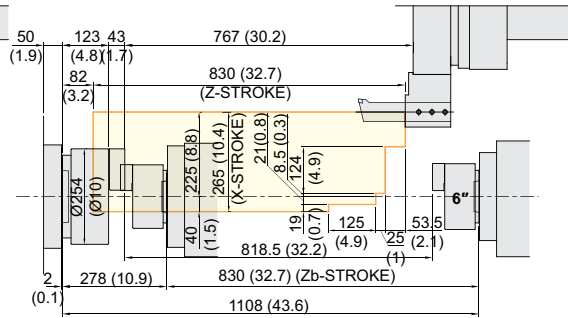
unit : mm(in)

L2600SY

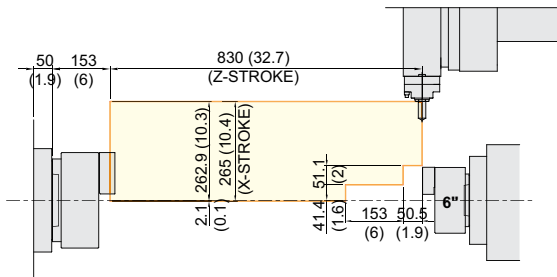
O.D. Tool holder



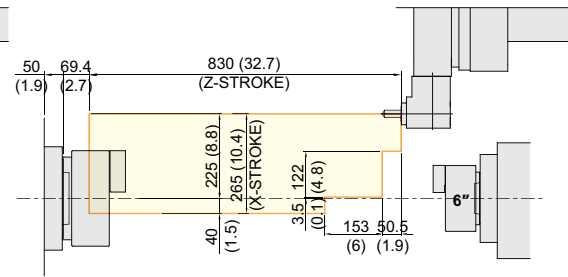
I.D. Tool holder



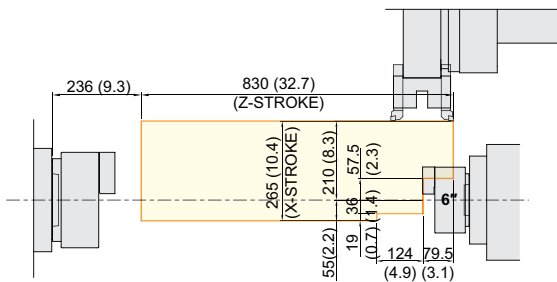
Straight mill holder



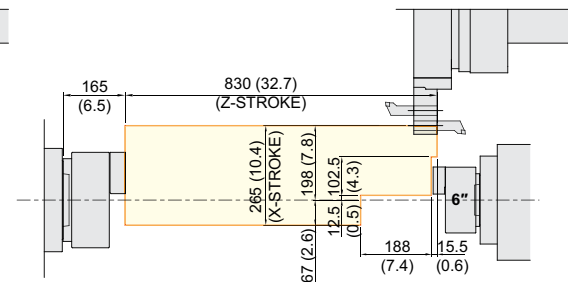
Angular mill holder



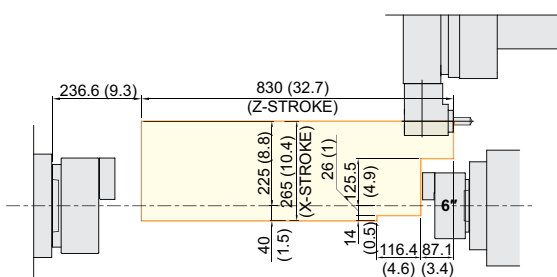
Double O.D. Tool holder



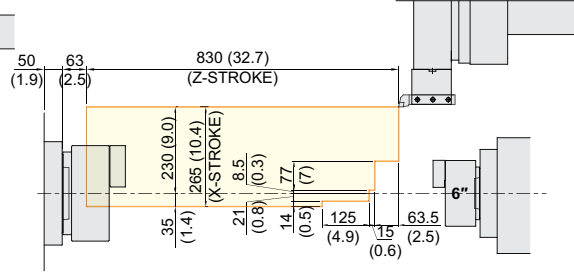
Double I.D. Tool holder



ANGULAR DRIVEN TOOL HOLDER



Face Tool holder



SPECIFICATIONS

Specifications

[] : Option

ITEM			L2100Y	L2100SY
CAPACITY	Swing Over the Bed	mm(in)	ø630 (24.8")	
	Swing Over the Carriage	mm(in)	ø390 (15.4")	
	Max. Turning Dia.	mm(in)	ø335 (13.2")	
	Max. Turning Length	mm(in)	455 (17.8")	
	Bar Capacity	Main	mm(in)	ø65 (2.6")
Sub		mm(in)	-	ø35 (1.4")
SPINDLE	Chuck Size	Main	ø210 (8")	
		Sub	-	ø170 (6")
	Spindle Bore	Main	ø76 (3")	
		Sub	-	ø45 (1.8")
	Spindle Speed (rpm)	Main	4,500	
		Sub	-	6,000
	Motor (Max/Cont.)	Main	15/11 (20/15)	
		Sub	-	7.5/5.5 (10./7.4)
	Torque (Max/Cont.)	Main	254.2/186.5 (187.4/137.5)	
		Sub	-	59.7/43.8 (44.0/32.3)
Spindle Type	Main	-	BELT	
	Sub	-	-	BUILT-IN
Spindle Nose	Main	-	A2-6	
	Sub	-	-	A2-5
C-axis Indexing	deg	0.001°		
FEED	Travel	X/Y	210/100 (±50) (8.3"/3.9")	
		Z/ZB	540 (21.3")	580/500 (22.8"/19.7")
	Rapid Traverse Rate	X/Y	18/12 (708.7/472.4)	
		Z/ZB	24 (944.9)	24/24 (944.9/944.9)
Slide Type	-	BOX GUIDE		
TURRET	No. of Tool	EA	12	
	Tool Size	OD	□ 25 (1")	
		ID	ø50 (2")	
	Indexing Time	sec/step	0.2	
Y-Axis Type	-	WEDGE TYPE		
LIVE TOOL	Motor (Max/Cont.)	kW(HP)	5.5/3.7 (7.4/5)	
	Milling Tool Speed (rpm)	r/min	5,000	
	Torque (Max/Cont.)	N·m(lbf·ft)	35.3 / 23.6 (26.0/17.4)	
	Collet Size	mm(in)	ø20 (0.8") ER32	
	Type	-	BMT65P	
TAIL STOCK	Taper	-	MT#5	-
	Quill Dia.	mm(in)	ø100 (3.9")	-
	Quill Travel	mm(in)	120 (4.7")	-
	Travel	mm(in)	500 (19.7")	-
TANK CAPACITY	Coolant Tank	ℓ (gal)	220 (58.1)	
	Lubricating Tank	ℓ (gal)	2.0 (0.5)	
POWER SUPPLY	Electric Power Supply	kVA	25	33
	Thickness of Power Cable	Sq	OVER 35	
	Voltage	V/Hz	220 / 60 (200 / 50)	
MACHINE	Floor Space (L×W)	mm(in)	3,091×1,725 (121.7"×67.9")	
	Height	mm(in)	2,225 (87.6")	
	Weight	kg(lb)	4,500 (9,921)	
PC	Controller	-	FANUC 32i-B [HW FANUC i Series]	

Specifications are subject to change without notice for improvement.

SPECIFICATIONS

Specifications

[] : Option

ITEM			L2600Y	L2600SY	
CAPACITY	Swing Over the Bed	mm(in)	Ø780 (Ø30.7")		
	Swing Over the Carriage	mm(in)	Ø630 (Ø24.8")		
	Max. Turning Dia.	mm(in)	Ø420 (Ø16.5")		
	Max. Turning Length	mm(in)	750 (29.5")		
	Bar Capacity	Main	mm(in)	Ø81 (Ø3.2")	
Sub		mm(in)	-	Ø51 (Ø2")	
SPINDLE	Chuck Size	Main	mm(in)	Ø254 (Ø10")	
		Sub	mm(in)	-	Ø170 (Ø6")
	Spindle Bore	Main	mm(in)	Ø91 (Ø3.6")	
		Sub	mm(in)	-	Ø62 (Ø2.4")
	Spindle Speed (rpm)	Main	r/min	4,000 [4,000]	
		Sub	r/min	-	6,000 [6,000]
	Motor (Max/Cont.)	Main	kW(HP)	22/15 (29.5/20.1) [22/15 (29.5/20.1)]	
		Sub	kW(HP)	-	15/11 (20/15) [15/11 (20/15)]
	Torque (Max/Cont.)	Main	N·m(lbf·ft)	599/409 (441.7/301.6) [700/398 (516.3/293.5)]	
		Sub	N·m(lbf·ft)	-	153/99.1 (112.8/73) [208/140 (153.4/103.2)]
Spindle Type	Main	-	BUILT-IN		
	Sub	-	-	BUILT-IN	
Spindle Nose	Main	-	A2-8		
	Sub	-	-	A2-5	
C-axis Indexing		deg	0.001°		
FEED	Travel	X/Y	mm(in)	265/120 [±60] (10.4"/4.7" [±2.4"])	
		Z/ZB	mm(in)	830 (32.7")	830/830 (32.7"/32.7")
	Rapid Traverse Rate	X/Y	m/min(ipm)	30/10 (1,181/393.7)	
		Z/ZB	m/min(ipm)	30 (1,181)	30/30 (1,181/1,181)
Slide Type		-	BOX GUIDE		
TURRET	No. of Tool		EA	12	
	Tool Size	OD	mm(in)	□ 25 (□ 1")	
		ID	mm(in)	Ø50 (Ø1.9")	
	Indexing Time		sec/step	0.15	
Y-Axis Type		-	WEDGE TYPE		
LIVE TOOL	Motor (Max/Cont.)		kW(HP)	5.5/1.5 (7.4/2) [7.5/1.5 (10/2)]	
	Milling Tool Speed (rpm)		r/min	6,000	
	Torque (Max/Cont.)		N·m(lbf·ft)	35.3/25.3 (26.0/18.7) [71.6/25.3 (52.8/18.6)]	
	Collet Size		mm(in)	Ø25(Ø1") (ER40)	
	Type		-	BMT65P	
TAIL STOCK	Taper		-	MT#5	-
	Quill Dia.		mm(in)	Ø100 (Ø3.9")	-
	Quill Travel		mm(in)	120 (4.7")	-
	Travel		mm(in)	830 (32.7")	-
TANK CAPACITY	Coolant Tank		ℓ (gal)	200 (52.8)	
	Lubricating Tank		ℓ (gal)	3.0 (0.8)	
POWER SUPPLY	Electric Power Supply		kVA	30.5 [NC Tail Stock : 32.8]	44
	Thickness of Power Cable		Sq	Over 35	
	Voltage		V/Hz	220 / 50 (220 / 60)	
MACHINE	Floor Space (L×W)		mm(in)	3,300×1,890 (129.9"×74.4")	
	Height		mm(in)	1,950 (76.8")	
	Weight		kg(lb)	6,000 (13,227.7)	
NC	Controller		-	HW FANUC i Series	

Specifications are subject to change without notice for improvement.

CONTROLLER

FANUC 32i-B (L2100 Series)

[] : Option, ☆ Needed technical consultation

Controlled axis / Display / Accuracy compensation		Auxiliary function / Spindle speed function	
Control axes	4 axes (X1/Z1, X2/Z2), 6 axes (X1/Z1, X2/Z2, C1/C2) 7 axes (X1/Z1, X2/Z2, B2, C1/C2) 8 axes (X1/Z1, X2/Z2, Y1, B2, C1/C2)	Auxiliary function	M & 4 digit
Simultaneously controlled axes	2 axes [Max. 4 axes]	Level-up M code	High speed / Multi / Bypass M code
Designation of spindle axes	4 axes (1 path), 6 axes (2 path Total)	Spindle speed function	S & 4 digit , Binary output
Least setting Unit / Least input increment	X, Z, Y, B axes : 0.001 mm (0.0001") C, A axes : 0.001°	Spindle override	50% ~ 150% (10% Unit)
Inch / Metric conversion	G20/G21	Multi position spindle orientation	M19
High response vector control		FSSB high speed rigid tapping	
Interlock	All axes / Each axis	Constant surface speed control	G96, G97
Machine lock	All axes	Tool function / Tool compensation	
Backlash compensation	± 0 ~ 9999 pulses (Rapid traverse / Cutting feed)	Tool function	T & 2 digit + Offset 2 digit
Position switch		Tool life management	☆ 256 pairs
LCD / MDI	10.4" color LCD	Tool offset pairs	64 pairs
Feedback	Absolute motor feedback	Tool nose radius compensation	G40, G41, G42
Stored stroke check 1	Over travel	Geometry / Wear compensation	
Stored stroke check 2, 3		Direct input of offset measured B	
PMC axis control		Editing function	
Operation		Part program storage size	1280m (512KB)
Automatic operation (Memory)		No. of registerable programs	1000 EA
MDI operation		Program protect	
DNC operation	Needed DNC software / CF card	Background editing	
Program restart		Extended part program editing	Copy, move and change of NC program
Wrong operation prevention		Memory card program edit	
Program check function	Dry run, Program check	Data input / output & Interface	
Single block		I/O interface	RS 232C, CF card, USB memory Embedded Ethernet interface
Search function	Program number / Sequence number	Screen hard copy	
Interpolation functions		External message	
Pano interpolation		External key input	
Positioning	G00	External workpiece number search	
Linear interpolation	G01	Automatic data backup	
Circular interpolation	G02, G03	Setting, display and diagnosis	
Exact stop mode	Single : G09, Continuous : G61	Self-diagnosis function	
Dwell	G04 0~9999.9999 sec	History display	Alarm & Operator message & Operation
Skip	G31	Run hour / Parts count display	
Reference position return	Ref. position check : G27 1st reference : G28 2nd reference : G30	Maintenance information	
Thread synchronous cutting		Actual cutting feedrate display	
Thread cutting retract		Display of spindle speed / T code	
Variable lead thread cutting		Graphic display	
Multi / Continuous threading		Operating monitor screen	Spindle / Servo load etc...
Feed function / Acc. & Dec. control		Power consumption monitoring	Spindle & Servo
Manual feed	Rapid traverse, Reference position return Jog : 0~2,000 mm/min (79 ipm) Manual handle : x1, x10, x100 pulses	Spindle / Servo setting screen	
Cutting Feed command	Direct input F code	Multi language display	Support 20 languages
Feedrate override	0 ~ 200% (10% Unit)	Display language switching	Selection of 5 optional Languages
Rapid traverse override	F1%, F5%, F25% / 50%, F100%	LCD Screen Saver	Screen saver
Override cancel		Unexpected disturbance torque	BST (Back spin torque limit)
Feed per minute	G98	Function for machine type	
Feed per revolution	G99	Cs contour control (C & A axes)	Mill, MS, Y, SY, LF-Mill, TTMS, TTSY
Look-ahead block	1 block	Polar coordinate interpolation	Mill, MS, Y, SY, LF-Mill, TTMS, TTSY
Program input		Cylindrical interpolation	Mill, MS, Y, SY, LF-Mill, TTMS, TTSY
Tape Code	EIA/ISO	Canned cycle for drilling	Mill, MS, Y, SY, LF-Mill, TTMS, TTSY
Optional block skip	1EA	Spindle orientation expansion	MS, SY TTS, TTMS, TTSY
Absolute / Incremental program	G90/G91	Spindle synchronous control	MS, SY TTS, TTMS, TTSY
Program stop / end	M00, M01/M02, M30	Torque control	MS, SY TTS, TTMS, TTSY
Maximum command unit	±999,999.999 mm (±99,999.9999 inch)	Y axis offset	Y, SY, TTSY
Plane selection	X-Y : G17, X-Z : G18, Y-Z : G19	Arbitrary angular control	Y, SY, TTSY
Workpiece coordinate system	G52, G53, 6 pairs (G54 ~ G59)	Composite / Superimposed control	MS, SY TTS, TTMS, TTSY
Manual absolute	Fixed ON	Balance cutting	MS, SY TTS, TTMS, TTSY
Programmable data input	G10	Option	
Sub program call	10 folds nested	Additional optional block skip	☆ 9 EA
Custom macro	#100~#199, #500~#999	Fast ethernet	Needed option board
G code system	A	Data server	Needed option board
Programmable mirror image	G51.1, G50.1	Protection of data at 8 levels	
G code preventing buffering	G41	Tool offset pairs	99 pairs / 200 pairs
Direct drawing dimension program	Including Chamfering / Corner R	Part program storage size	2560m (1MB)/5120m (2MB)
Multiple repetitive cycles I, II		Polygon turning (2 Spindles)	Mill, MS, Y, SY, LF-Mill, TTMS, TTSY
Canned cycle for turning		Helical interpolation	
Manual Guide i	Conversational auto program	Dynamic graphic display	☆

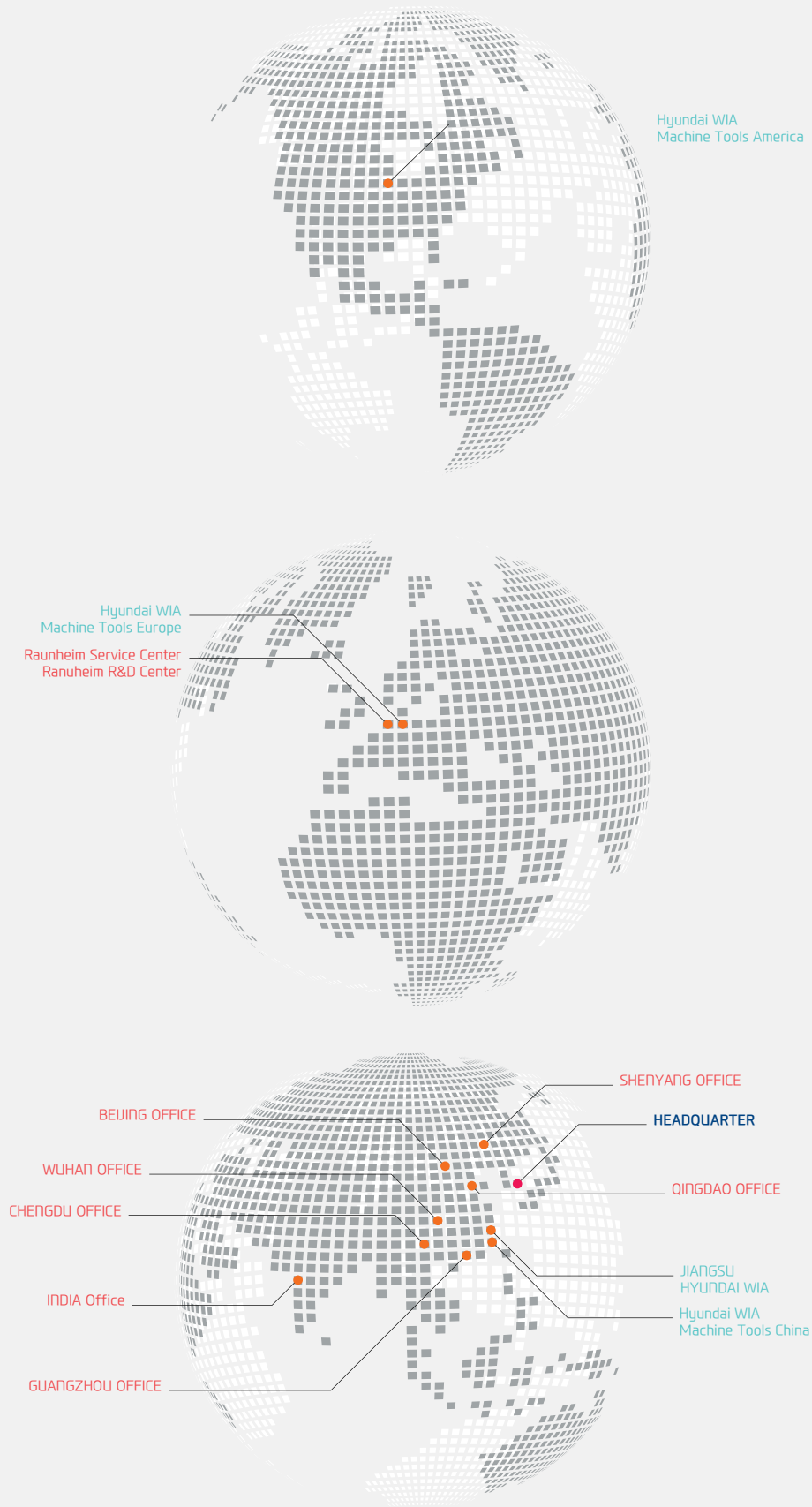
CONTROLLER

HYUNDAI WIA FANUC i Series

Axis control / Display unit		Program input & interpolation functions	
Controlled Axis		Max. 4 Axis are available	Multiple repetitive cycles
		X, Z axis	Multiple repetitive cycles II
		X, Z, C axis (M type machine)	Canned cycles for turning
		X, Z, Y, C axis (Y type machine)	Manual guide i
Simultaneous controllable Axis		X, Z, B, C axis (MS type machine)	Interactive program
		2axis / Linear and circular (Max. 4axis)	Sub / Main spindle function
Least input increment		X, Z, Y, B axis : 0.001 mm (0.0001")	M-Code function
		C axis : 0.001 deg	M-Code function lock
Least command increment		X, Z, Y, B axis : 0.001 mm (0.0001")	Lock sp. speed command
		C axis : 0.001 deg	Main sp. constant control
High speed HRV control		Spindle speed override	50% to 150% (10% units)
Inch / Metric conversion		Spindle position decision	
Interlock		Rigid tapping	
Machine lock		Tool function / Tool compensation	
Emergency stop		Tool function	T2 + 2
Stored stroke check 1		Tool offset pairs	64 pairs
Stored stroke check 2		Tool offset	
Stored stroke check 3		Tool nose radius compensation	G40, G41, G42
Follow-up		Direct input of measured tool compensation value B	
Servo-off		Tool life management	
Backlash compensation		Data in/output & editing functions	
		+/- 0~9999 pulses (Rapid traverse & cutting feed)	Reader / Puncher interface
Position switch		Memory card input/output	RS232C
Unexpected disturbance torque detection		Part program storage length	1280m/512kb
High resolution transfer control (HRM)		Number of registrable programs expansion	Max. 500 programs
LCD / MDI		Memory lock	
Operation		Background editing	
Automatic operation (memory)		Extended part program edition	Copy, move, change of NC program
MDI operation		Display, diagnosis & setting functions	
Search function		Self-diagnosis function	
Program restart		History display	Alarm & operation display
Wrong operation prevention		Help function	
Buffer register		External message	
Program check function		Run hour / Parts count display	
Single block		Display of actual spindle speed and T code	
Feed functions		Actual cutting feedrate display	
Manual jog feed		Operating monitor screen	Rod meter light
Manual handle feedrate		Graphic display	
Feed command		Spindle / Servo setting screen	
Feedrate override		Selection of 5 optional language	
Jog override		LCD screen save	Screen saver
Rapid traverse override		Automatic data backup	
Override cancel		Functions according to machine specification	
Feed per minute / rotation		Cs contouring control	Turn mill
Program input & interpolation functions		Stored pitch error compensation	Turn mill
Piano interpolation		Polar coordinate interpolation	Turn mill
Dwell		Cylindrical interpolation	Turn mill
Thread retract		Canned cycles for drilling	Turn mill
Variable lead threading		spindle orientation expansion	Turn mill, Sub spindle
1st reference point return		Spindle synchronous control	Sub spindle
Reference point return check		Torque control	Sub spindle
2nd reference point return		Y axis offset	Y type machine
Program stop / End		Angular axis control	Y type machine
Tape code			
Optional block skip			
Maximum programmable dimensions		Option	
Program number		High speed ethernet	100 Mbps (Option board is required)
Absolute and incremental programming		Optional block skip	9 ea
Decimal point input		3rd & 4th reference point return	
Plane selection		G code system	B / C
Work coordinate system selection		Polygon turning	
Manual absolute		Helical interpolation	
Direct drawing dimension programming		Dynamic graphic display	
G code system		Protection of data at 8 levels	
Programmable data input		Manual guide i	Interactive program (10.4" Color LCD)
Sub program call			
Custom macro B			
Addition of custom macro common variable			

Figures in inch are converted from metric values.
Design and specifications subject to change without notice.

GLOBAL NETWORK





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L2100SY Movie 1



L2100SY Movie 2



L2600SY 3D Movie