

L500 Series

HYUNDAI WIA CNC Turning Center

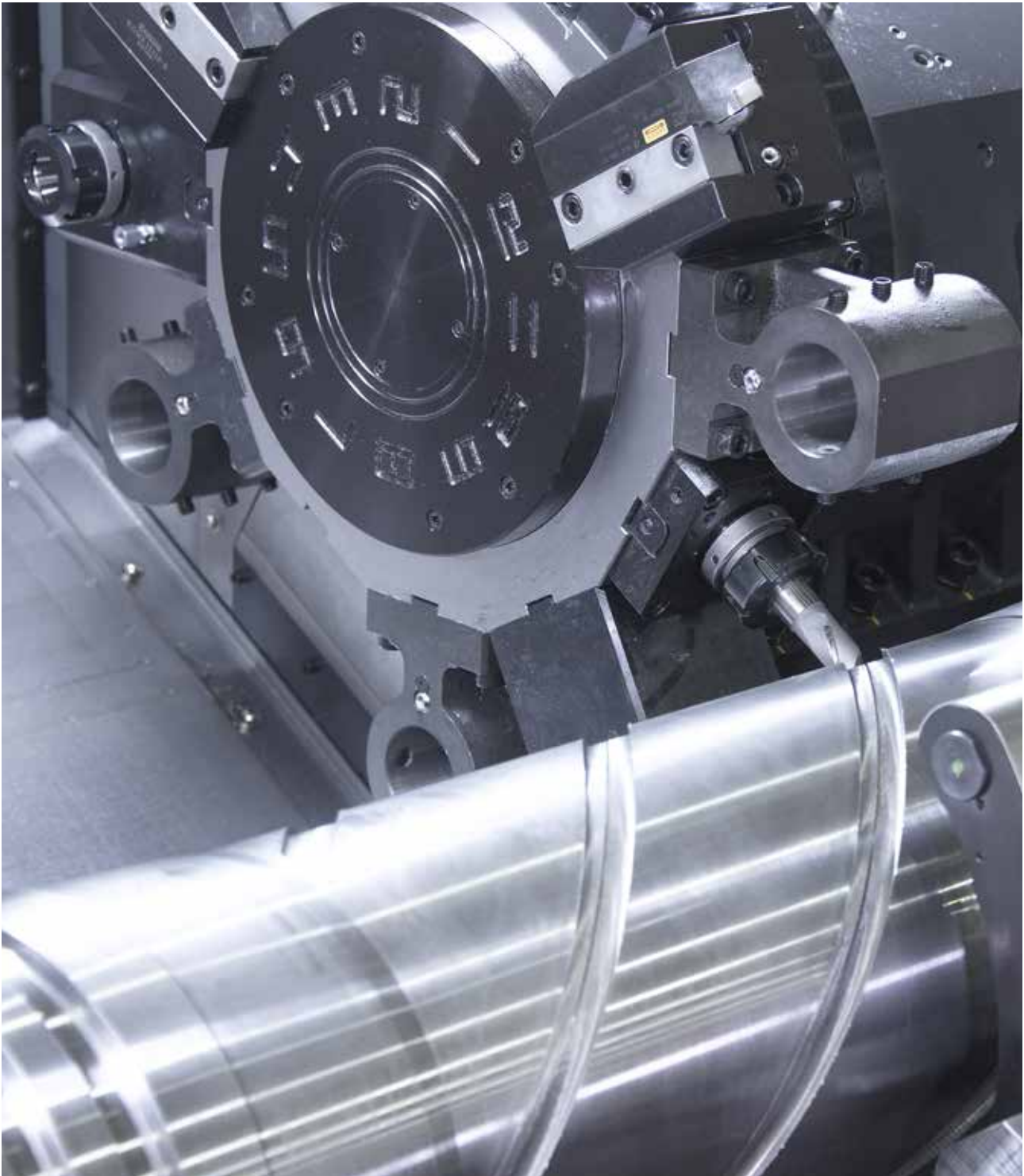


Technical Leader

The CNC Turning Center L500 Series, designed by Hyundai WIA with years of expertise and the latest technology, is a Turning Center that maximizes productivity and performance.

L500LA | LMA

Max. Turning Dia.	mm(in)	Ø720 (Ø28.3") Ø690 (Ø27.2")
Max. Turning Length	mm(in)	2,109 (83") 2,100 (82.7")
Chuck Size	inch	21" [24"]
Bar Capacity	mm(in)	Ø165 (6.5")
Speed (rpm)	r/min	21":1,500 [24":1,400]
Motor (Max/Cont.)	kW(HP)	45/37 (60.3/49.6)
Travel(X/Z)	mm(in)	400/2,210 (15.7"/87")
No. of Tools	EA	10 12



Heavy-Duty, Large Work Capacity,
CNC Turning Center

L500 Series

- High rigidity achieved through box guideways
- One-piece structure for high accuracy and sturdiness
- Enhanced productivity by incorporating Absolute Motor Encoder
- Main spindle heat displacement minimized
- 30° Slanted Bed Structure

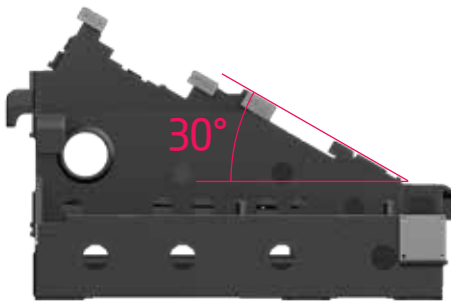


01

L500 Series

Basic Features

Highly Rigid Bed Structure for Heavy Duty CNC Turning Center



01 30° Slanted Bed – The Installation area **40% UP**

Designed with FEM(Finite Element Method) analysis, the L500 Series has bed structure of 30 ° slope to improve machining accuracy and cutting ability. In addition, increased bed installation area improves vibration absorption and machining stability.

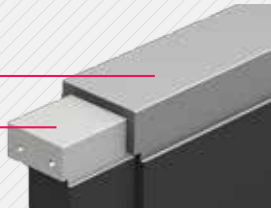
02 X-Axis Guideway

Expanded guideways for high precision and enhanced heavy duty cutting ability.

21% expanded

L500LMA

Existing Model



03 2 Step Gear Box

A two-step driving method is applied inside the main spindle as standard on non mill turrets. It provides powerful torque at low speeds and stable rotation at high speeds.



Box Guideway

All axes feature box guideways for unsurpassed long term rigidity and accuracy, even during heavy duty cutting.

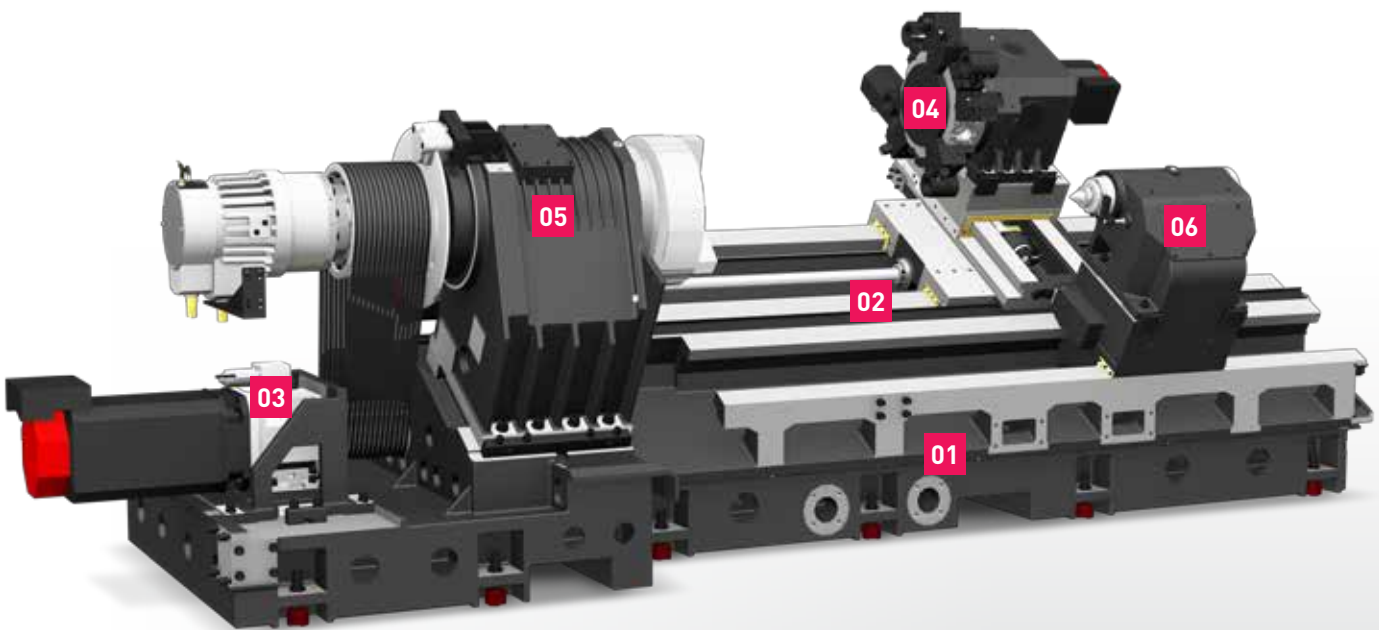


04 Mill Turret (BMT75P)

The BMT turret, with 4 screws solidly fastening the holder, shows outstanding performance in powerful cutting and is capable of machining complex products by using milling tools.



Basic Structure



Powerful Cutting Capability & Wide Machining Area

⊙ Travel (X/Z) : 400/2,210 mm (15.7"/87") ⊙ Max. Power : 45/37 kW (60.3/49.6 HP)

Main Spindle

The main spindle has become sturdier by enlarging the diameter and thickness. Rigidity and accuracy are maintained by combination of high precision angular ball & roller bearing.



05

Built-in Tail Stock

The large MT#5 built-in type tailstock provides stabilized surface finish during heavy duty cutting.



06

02

L500 Series

High Precision Spindle

Long Lasting High Accuracy & Excellent Performance
CNC Turning Center

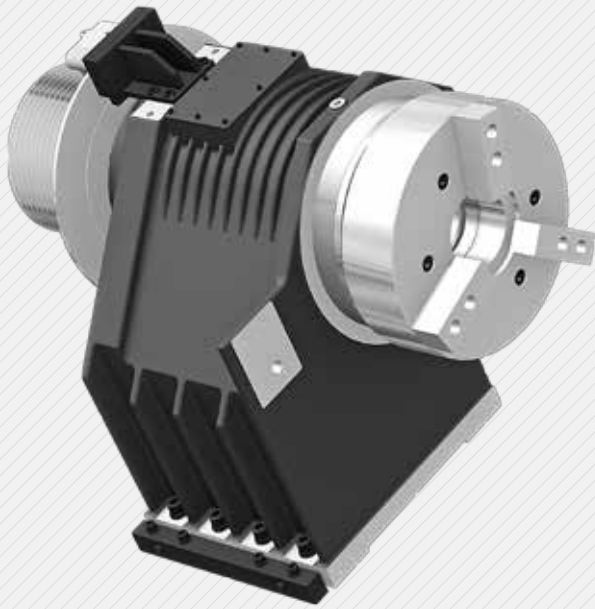


Main Spindle

To accomplish advanced stability during heavy duty cutting, a combination of P4 double cylindrical roller bearings and angular bearings are adopted.

The double locking device separates the spindle bearing and pulley to prevent a decrease in spindle bearing pretension during interrupted cutting, heavy duty cutting, chuck cylinder operations, and by belt pulley tension.

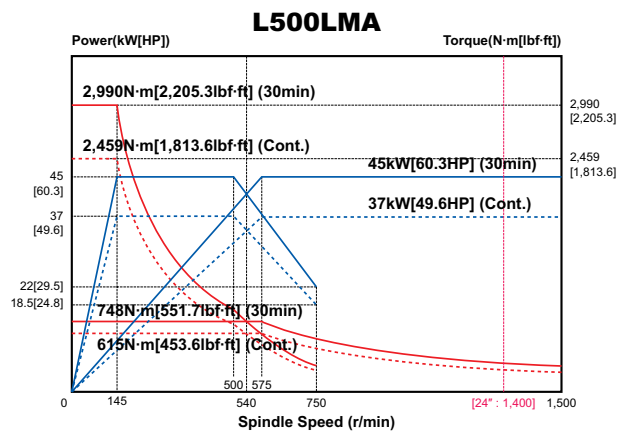
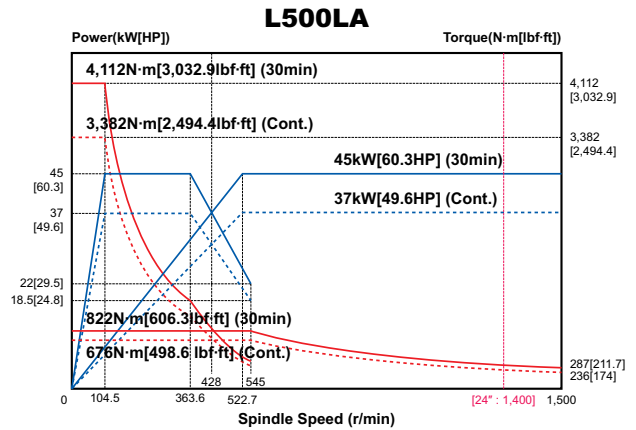
Spindle



Big Bore Spindle

Spindle bore of $\varnothing 181$ ($\varnothing 7.1$ ") shows superior ability in pipe machining. Furthermore, its torque of 4,112 N·m (3,033 lbf·ft) outperforms all others in the the same class.

- L500LMA : 2,990 N·m (2,205.3 lbf·ft)



MT#5 Built-In Tail Stock

The large MT#5 built-in tailstock ensures stabilized surface finish during heavy duty and powerful cutting. The tailstock can be controlled automatically or manually.

Quill Dia. : $\varnothing 150$ ($\varnothing 5.9$ ") Quill Travel : 132 mm (5.2")

Travel : 2,083 mm (82") Travel Type : Programmable



N3

L500 Series

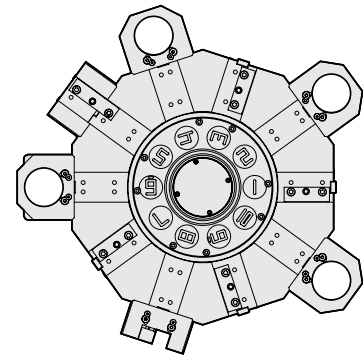
Servo Turret

High speed, High Accuracy, Highly Reliable
Mill Turret



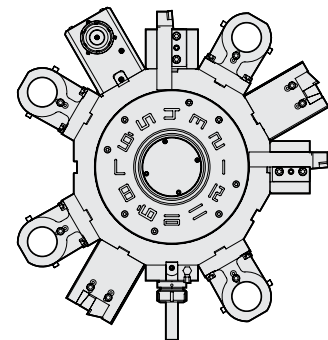
L500LA

- Number of Tools : 10 EA
- OD Tool Size : □32 (□1 1/4")
- ID Tool Size : Ø80 (Ø3")
- Indexing Time : 0.35 sec/step



L500LMA

- Number of Tools : 12 EA
- OD Tool Size : □32 (□1 1/4")
- ID Tool Size : Ø63 (Ø2 1/2")
- Indexing Time : 0.35 sec/step

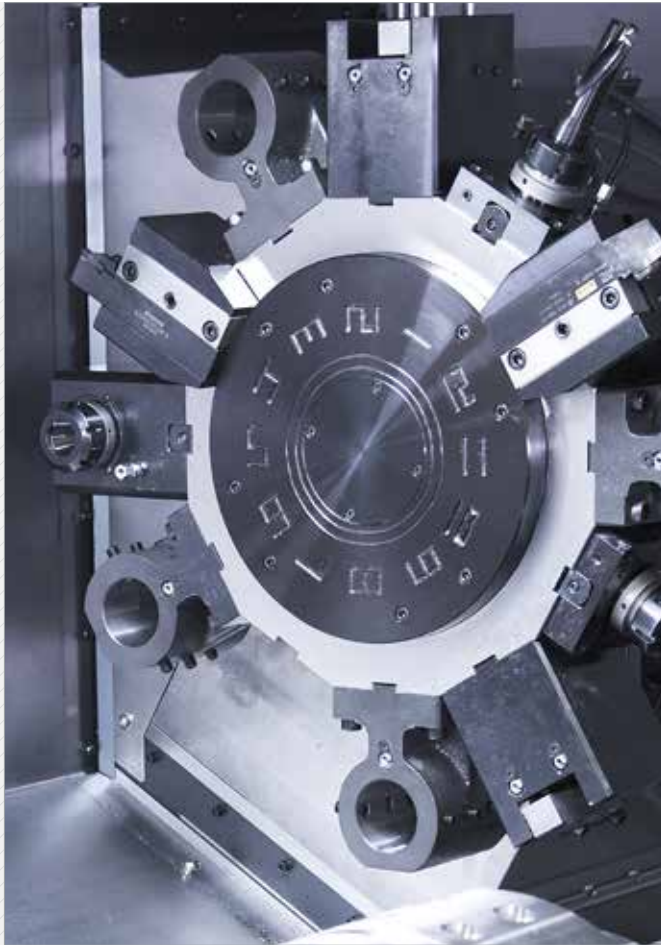


Turret

The L500 Series apply an AC Servo Motor to enhance machining reliability. Also, split accuracy is improved by using 3-piece couplings.

Powerful hydraulic tool clamping system minimizes tool tip displacement caused by workload.

Mill Turret (BMT)



The large 12-station BMT turret enables the L500LMA to perform high accuracy milling operations in a single set up.

The BMT turret is driven by a high torque servo motor with a 0.2 second indexing time in either direction



- Power (Max./Cont.)
11/7.5 kW (14.8/10 HP)
- Torque (Max./Cont.)
140/95.4 N·m (103.2/70.4 lbf·ft)
- Speed : **4,000 rpm**
- Collet size : **Ø26 (Ø1") (ER40)**
- Live Tool Type : **BMT75P**

Straight Milling Head



Angular Milling Head

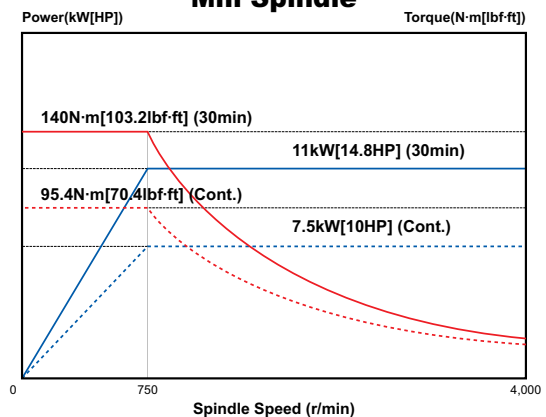


Mill Tool Holder

Machining capability is increased with the addition of a straight milling head which can remove material from the side and an angular milling head which can perform I.D. operations.



Mill Spindle



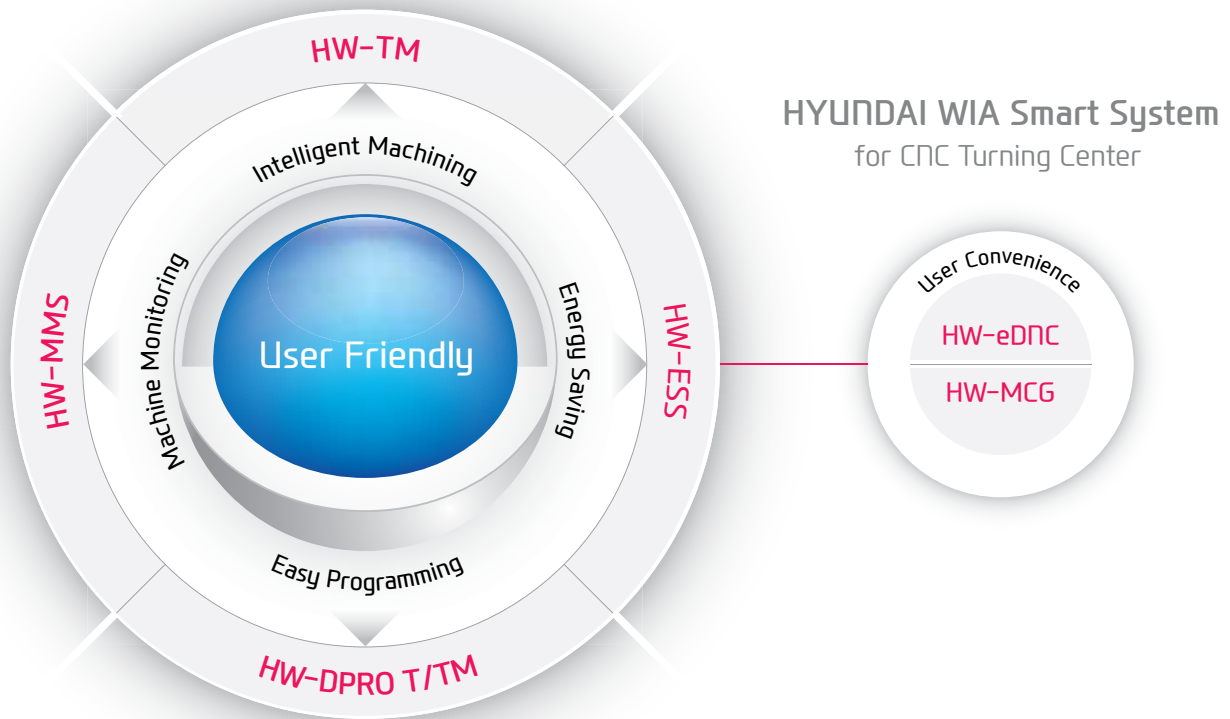
04

L500 Series

Smart System



Software for Smart Operating and Machining



HYUNDAI WIA Smart System
for CNC Turning Center

Smart Factory HW-MMS (HYUNDAI WIA-Machine Monitoring System)

A brand new manufacturing machine by HYUNDAI WIA, HW-MMS is a unique software capable of monitoring the operation status of manufacturing machines in factories, a smart solution to improve manufacturing conditions of customers.

01 Real-time monitoring of machine operation status (Cloud)

02 History and statistics of machine operation (Cloud)

03 History and statistics of alarm occurrence (Cloud)

04 History and statistics of work count (Cloud)

05 Remote diagnosis (Remote)

HW-MMS Remote System

- 01 Real-time monitoring of machine operation status (Cloud)
- 02 History and statistics of machine operation (Cloud)
- 03 History and statistics of alarm occurrence (Cloud)
- 04 History and statistics of work count (Cloud)
- 05 Remote diagnosis (Remote)

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

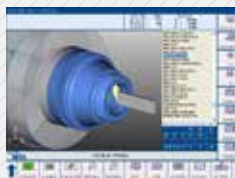
A tool monitoring software which analyzes the load of the spindle motor to determine and monitor possible damage of tools.



HW-ESS (Standard)

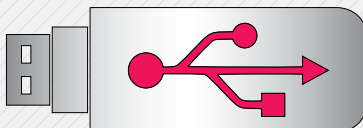
HYUNDAI WIA
Energy Saving System

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



HW-DPRO T/TM HYUNDAI WIA Dialogue PROGRAM Turn/TurnMill

Using a dialogue method, this software makes it easy to work out a program for a lathe processing operation with complicated configurations. (Can be installed on a PC.)



USB Port

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

05

L500 Series

User Convenience

Various Devices for User Friendly

Steady Rest

OPTION



For long parts, such as shafts, the steady rest increase rigidity and minimizes vibration.

When using the programmable hydraulic Steady Rest option, the position of the steady rest can be adjusted by the alignment pin connected to the turret. This option enhances the efficiency of the machining process.

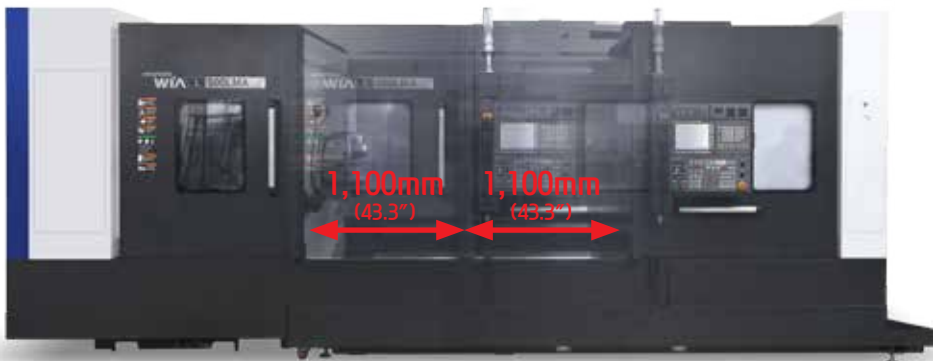
Auto Q-Setter



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.

Auto Door

OPTION



The door can be automatically open/closed with the use of M-Code. This function enables automation system and improves efficiency.

SPECIFICATIONS

Standard & Optional

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

Spindle		L500LA	L500LMA
Main Spindle Hollow Chuck 3 Jaw	21"	●	●
	24"	○	○
Main Spindle Solid Chuck 3 Jaw	21"	-	-
	24"	-	-
Standard Soft Jaw (1set)		●	●
Chuck Clamp Foot Switch		●	●
2 Steps Hyd. Pressure Device		○	○
Spindle Inside Stopper		☆	☆
Main Spindle 5° Index		-	-
C-axis (0.001")		-	●
Cs contouring function		-	☆
Chuck Open/Close Confirmation Device		○(CE:●)	○(CE:●)
2 Steps Chuck Foot Switch		☆	☆
Turret			
Tool Holder		●	●
10 station Turret		●	-
12 station Turret		-	●
Mill Turret	BMT	-	●
Straight Milling Head (Radial)	Collet Type, 1ea	-	●
Angular Milling Head (Axial)	Collet Type, 1ea	-	●
Straight Milling Head (Radial)	Adapter Type	-	-
Angular Milling Head (Axial)	Adapter Type	-	-
Boring Sleeve		●	●
Drill Socket		●	●
U-Drill Holder		○	○
U-Drill Holder Sleeve		○	○
Extension Holder	For Out-Dia	●	-
Angle Head		☆	☆
Tail Stock & Steady Rest			
Built-In Tail Stock		●	●
Programmable Tail Stock (MT #5)		●	●
Manual Type Steady Rest		☆	☆
Manual Type Hyd. Steady Rest		○	○
Programmable Hyd. Steady Rest		○	○
Standard Dead Center		●	●
2 Steps Tail Stock Pressure System		☆	☆
Quill Forward/Reverse Confirmation Device		○(CE:●)	○(CE:●)
Tail Stock Foot Switch		○	○
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)		○	○
Tail Stock Air Blow (Upper Tail Stock)		☆	☆
Turret Air Blow		☆	☆
Air Gun		○	○
Through Spindle Air Blow (Only for Special Chuck)		☆	☆
High Pressure Coolant	6Bar (87psi)	●	●
	20Bar (290psi)	○	○
	70Bar (1,015psi)	○	○
Power Coolant System (For Automation)		☆	☆
Coolant Chiller		☆	☆
Chip Disposal			
Coolant Tank	400 ℓ (105.7 gal)	-	-
	500 ℓ (132 gal)	●	●
Chip Conveyor (Hinge/Scraper)	Front (Right)	○	○
	Front (Rear)	-	-
Special Chip Conveyor (Drum Filter)		☆	☆
Chip Wagon	Standard (180 ℓ [47.5 gal])	○	○
	Swing (200 ℓ [52.8 gal])	○	○
	Large Swing (290 ℓ [76.6 gal])	○	○
	Large Size (330 ℓ [87.2 gal])	○	○
	Customized	☆	☆

Safety Device		L500LA	L500LMA
Total Splash Guard		●	●
Chuck hydraulic pressure maintenance interlock		○(CE:●)	○(CE:●)
Electric Device			
Call Light	1Color : ■	●	●
Call Light	2Color : ■ ■	○	○
Call Light	3Color : ■ ■ ■	○	○
Call Light & Buzzer	3Color : ■ ■ ■ B	○	○
Electric Cabinet Light		○	○
Remote MPG		○	○
Workcounter	Digital	○	○
Totalcounter	Digital	○	○
Toolcounter	Digital	○	○
Multi-Toolcounter	Digital	○	○
Electric Circuit Breaker		○	○
AVR (Auto Voltage Regulator)		☆	☆
Transformer	50KVA	-	-
	60KVA	○	○
Auto Power Off		○	○
Measurement			
Q-Setter		-	-
Automatic Q-Setter		●	●
Work Close Confirmation Device (Only for Special Chuck)	TACO	☆	☆
	SMC	☆	☆
Work Setter		☆	☆
Linear Scale	X Axis	○	○
	Z Axis	○	○
Coolant Level Sensor (Only for Chip Conveyor)		☆	☆
Environment			
Air Conditioner		○	○
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)		☆	☆
Extra M-Code 4ea		○	○
Automation Interface		☆	☆
I/O Extension (IN & OUT)	16 Contact	○	○
	32 Contact	○	○
Parts Catcher		-	-
Turret Work Pusher (For Automation)		☆	☆
Hyd. Device			
Standard Hyd. Cylinder	Hollow	●	●
Standard Hyd. Unit	60bar(870psi) / 13 ℓ (3.4gal)	-	-
	60bar(870psi) / 20 ℓ (5.3gal)	●	●
S/W			
Machine Guidance (HW-MCG)		☆	☆
Energy Saving System (HW-ESS)		●	●
Tool Monitoring (HW-TM)		○	○
DNC software (HW-eDNC)		○	○
Machine Monitoring System (HW-MMS)		☆	☆
Conversational program (HW-DPRO)		○	○
ETC			
Tool Box		●	●
Customized Color	Need Munsel No.	☆	☆
CAD & CAM		☆	☆

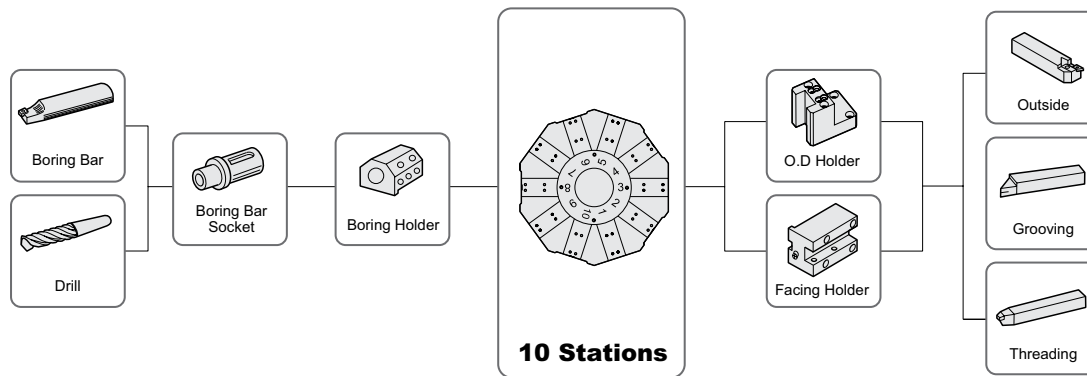
Prior consultation is required when applying spindle contouring control for gear driven spindle. Specifications are subject to change without notice for improvement.

SPECIFICATIONS

Tooling System

unit : mm(in)

L500LA



Tooling Parts Detail

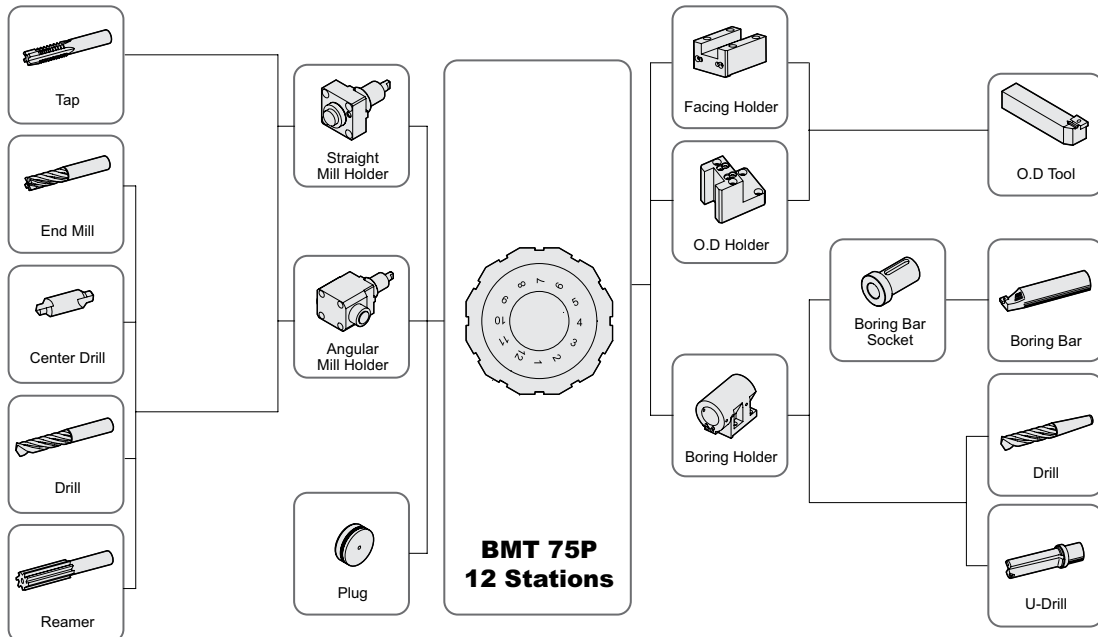
ITEM			L500LA		
			mm Unit	inch Unit	
Turning Holder	O.D Holder	Right/Left	1	1	
	Facing Holder		1	1	
Boring Holder	I.D Holder	Single	4	4	
	U-Drill Holder	Tool Holder	Opt	Opt	
Driven Holder	Straight Mill Holder	Standard	-	-	
	Angular Mill Holder	Standard	-	-	
Socket	Boring	Ø20 (Ø3/4")	1	1	
		Ø25 (Ø1")	1	1	
		Ø32 (Ø1 1/4")	1	1	
		Ø40 (Ø1 1/2")	1	1	
		Ø50 (Ø2")	1	1	
		Ø60 (Ø2 1/4")	1	1	
	Drill	MT 3		Opt	Opt
		MT 4		Opt	Opt
		MT 5		Opt	Opt

SPECIFICATIONS

Tooling System

unit : mm(in)

L500LMA



Tooling Parts Detail

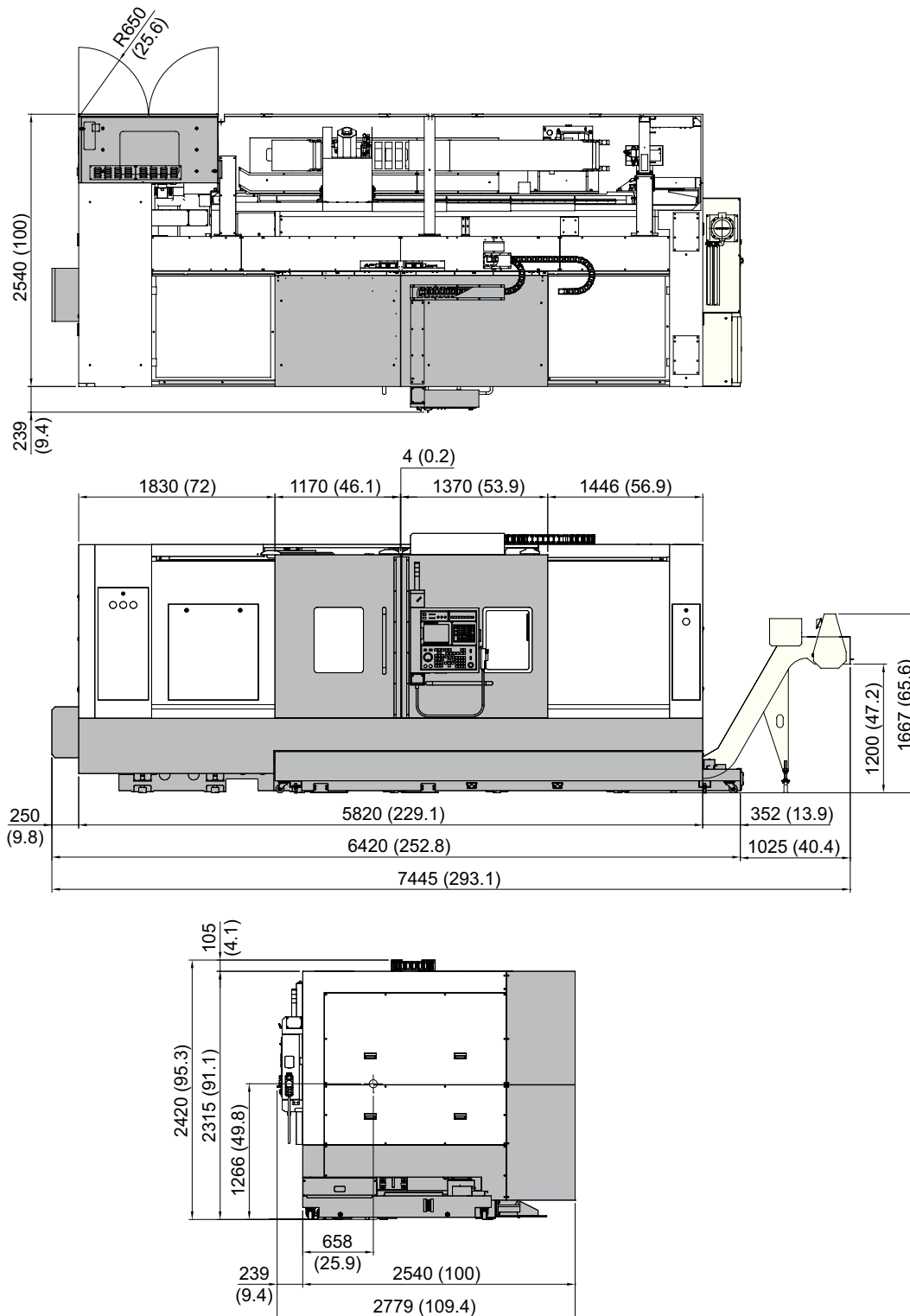
ITEM			L500LMA		
			mm Unit	inch Unit	
Turning Holder	O.D Holder		2	2	
	Facing Holder		2	2	
Boring Holder	I.D Holder	Single	4	4	
	U-Drill Holder	Tool Holder	Opt	Opt	
Driven Holder	Straight Mill Holder	Standard	1	1	
	Angular Mill Holder	Standard	1	1	
Socket	Boring	Ø20 (Ø3/4")	1	1	
		Ø25 (Ø1")	1	1	
		Ø32 (Ø1 1/4")	1	1	
		Ø40 (Ø1 1/2")	1	1	
		Ø50 (Ø2")	1	1	
		Ø60 (Ø2 1/4")	-	-	
	Drill	MT 2		-	-
		MT 3		1	1
		MT 4		-	-

Specifications are subject to change without notice for improvement.

SPECIFICATIONS

External Dimensions

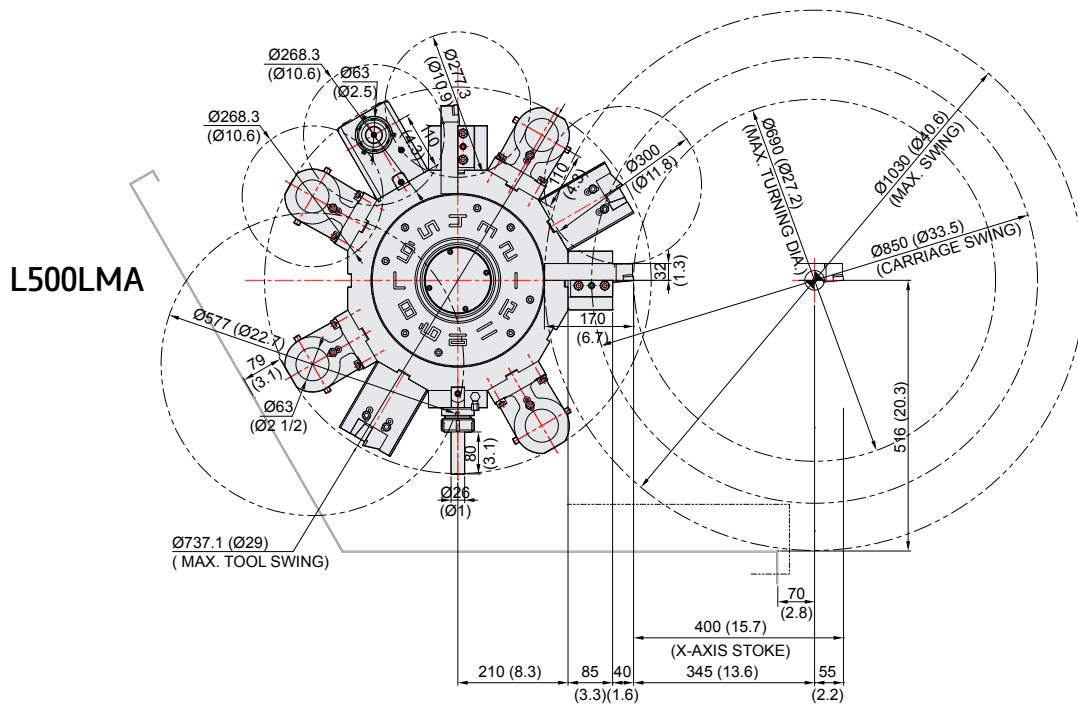
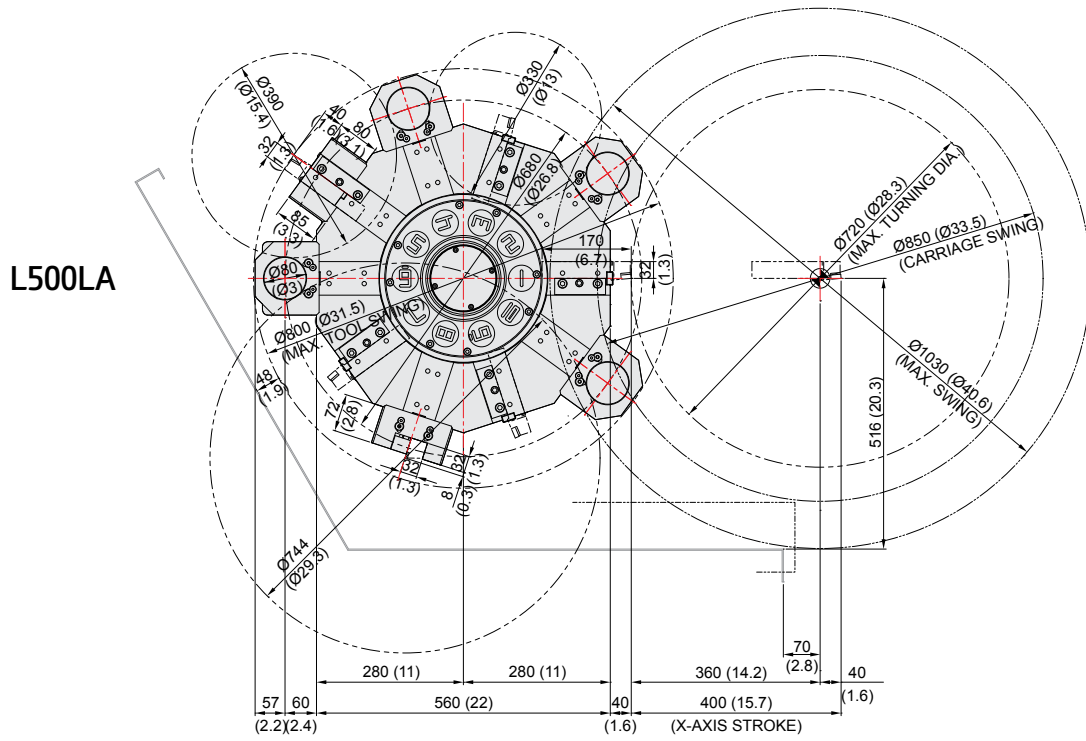
unit : mm(in)



SPECIFICATIONS

Interference

unit : mm(in)



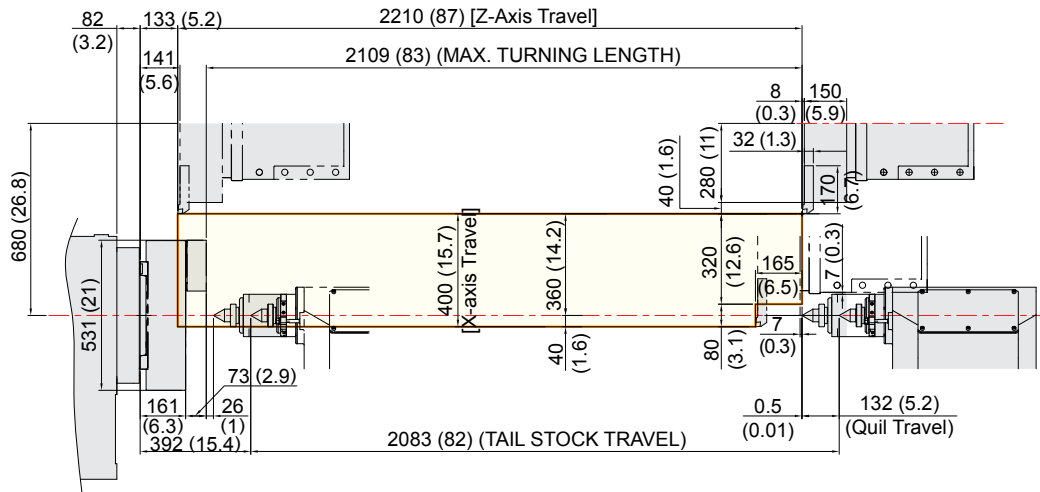
SPECIFICATIONS

Interference

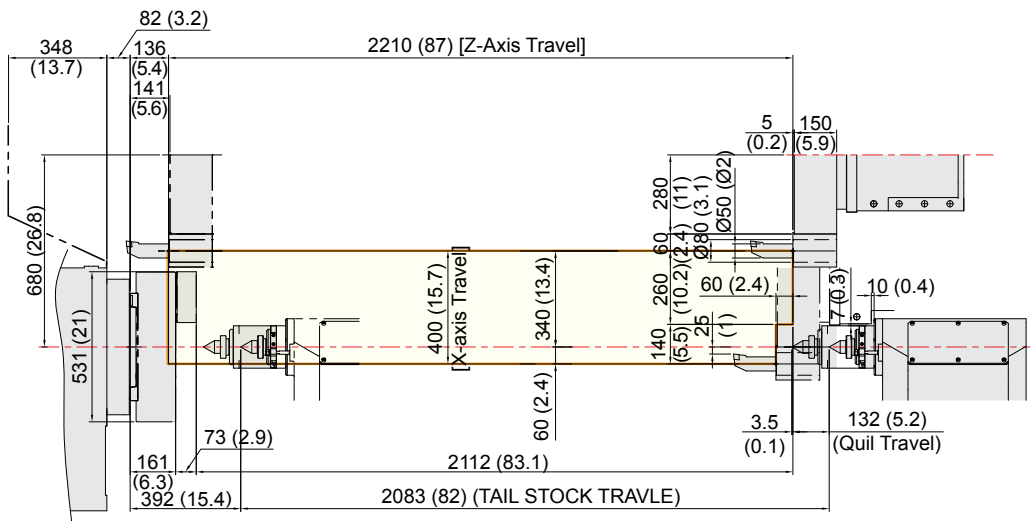
unit : mm(in)

L500LA

OD. TOOL HOLDER



ID. TOOL HOLDER



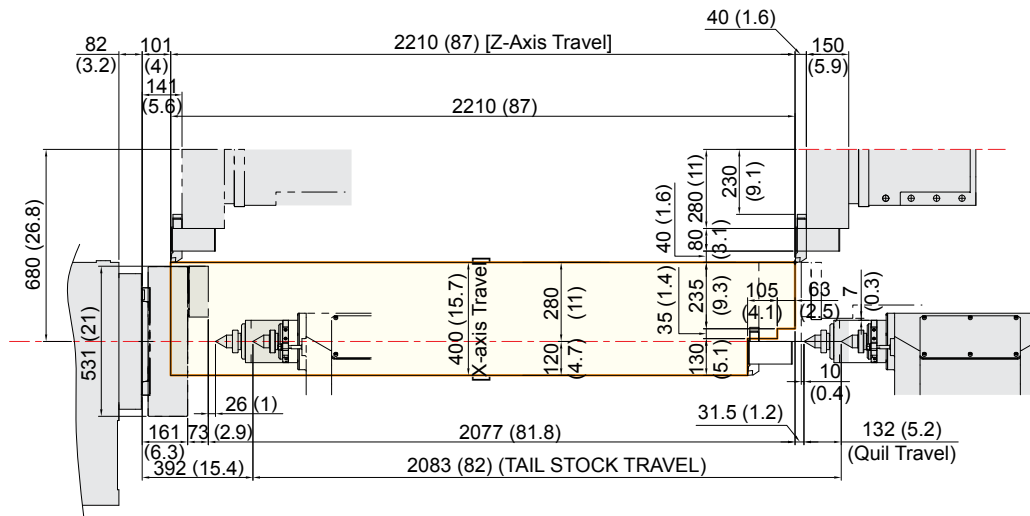
SPECIFICATIONS

Tooling Travel Range

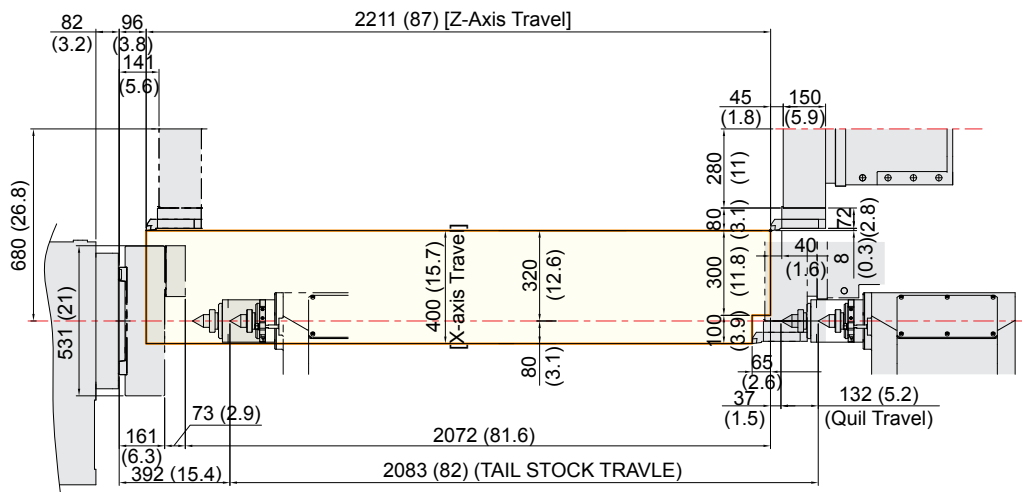
unit : mm(in)

L500LA

EXTENSION OD. TOOL HOLDER



FACE TOOL HOLDER



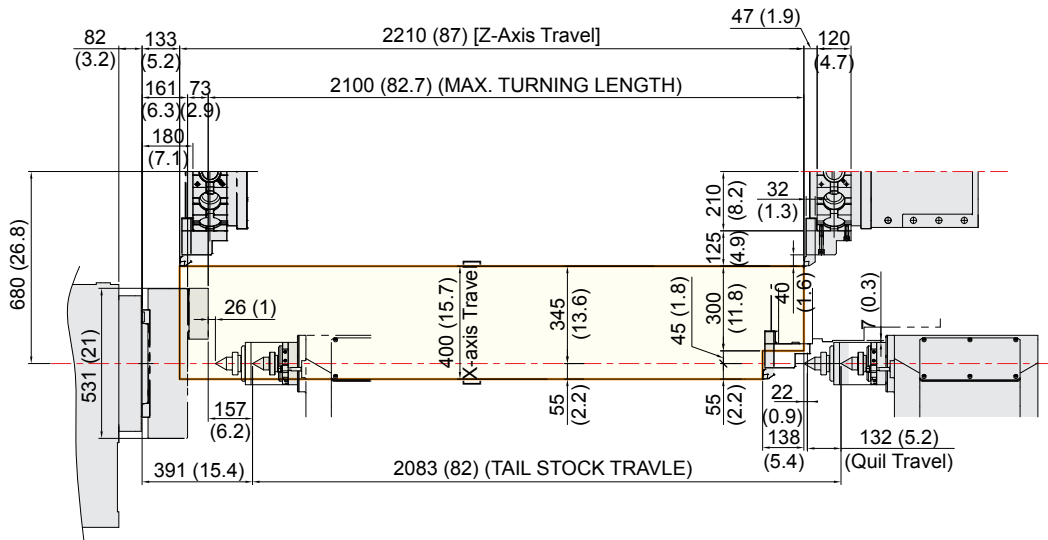
SPECIFICATIONS

Interference

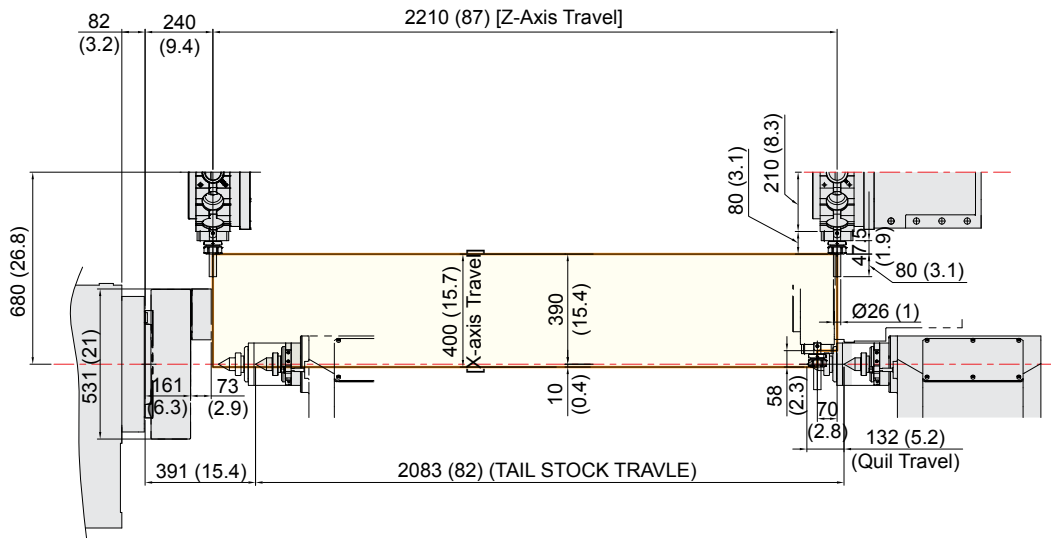
unit : mm(in)

L500LMA

OD. TOOL HOLDER



AXIAL DRIVEN HOLDER



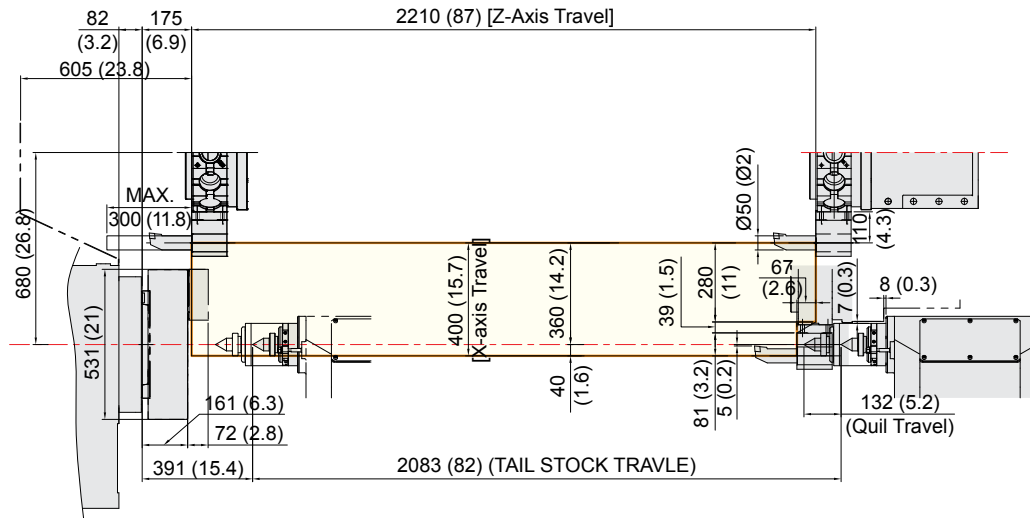
SPECIFICATIONS

Tooling Travel Range

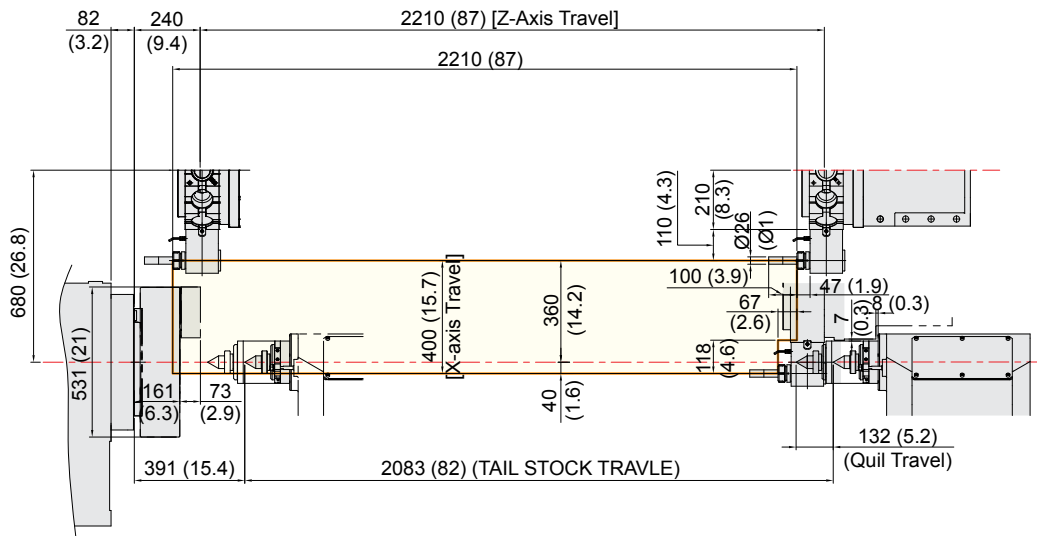
unit : mm(in)

L500LMA

ID. TOOL HOLDER



RADIAL DRIVEN HOLDER



SPECIFICATIONS

Specifications

[] : Option

ITEM		L500LA	L500LMA	
CAPACITY	Swing Over the Bed	mm(in)	Ø1,030 (Ø40.6")	
	Swing Over the Carriage	mm(in)	Ø850 (Ø33.5")	
	Max. Turning Dia.	mm(in)	Ø720 (Ø28.3")	Ø690 (Ø27.2")
	Max. Turning Length	mm(in)	2,109 (83")	2,100 (82.7")
	Bar Capacity	mm(in)	Ø165 (Ø6.5")	
SPINDLE	Chuck Size	inch	21" [24"]	
	Spindle Bore	mm(in)	Ø181 (Ø7.1")	
	Spindle Speed (rpm)	r/min	21":1,500 [24":1,400]	
	Motor (Max/Cont.)	kW(HP)	45/37 (60.3/49.6)	
	Torque (Max/Cont.)	N·m(lbf·ft)	4,112/3,382 (3,032.9/2,494.4)	2,990/2,459 (2,205.3/1,813.6)
	Spindle Type	-	BELT+2STEP GEAR	
	Spindle Nose	-	A1-15	
C-axis Indexing	deg	-	0.001°	
FEED	Travel (X/Z)	mm(in)	400/2,210 (15.7"/87")	
	Rapid Traverse Rate (X/Z)	m/min(ipm)	20/18 (787/709)	
	Slide Type	-	BOX GUIDE	
TURRET	No. of Tools	EA	10	12
	Tool Size	OD	□ 32 (□ 1 1/4")	
		ID	Ø80 (Ø3")	Ø63 (Ø2 1/2")
	Indexing Time	sec/step	0.35	
LIVE TOOL	Motor (Max/Cont.)	kW(HP)	-	11/7.5 (14.8/10)
	Milling Tool Speed (rpm)	r/min	-	4,000
	Torque (Max/Cont.)	N·m(lbf·ft)	-	140/95.4 (103.2/70.4)
	Collet Size	mm(in)	-	Ø26 (Ø1") : ER40
	Type	-	-	BMT75P
TAIL STOCK	Taper	-	MT#5 (Built-in)	
	Quill Dia.	mm(in)	Ø150 (Ø5.9")	
	Quill Travel	mm(in)	132 (5.2")	
	Travel	mm(in)	2,083 (82")	
TANK CAPACITY	Coolant Tank	ℓ (gal)	500 (132.1)	
	Lubricating Tank	ℓ (gal)	4 (1.06)	
POWER SUPPLY	Electric Power Supply	kVA	50	
	Thickness of Power Cable	Sq	Over 50	
	Voltage	V/Hz	220/60 (200/50*)	
MACHINE	Floor Space (L×W)	mm(in)	6,420×2,779 (252.8"×109.4")	
	Height	mm(in)	2,420 (95.3")	
	Weight	kg(lb)	15,200 (33,510)	
NC	Controller	-	FANUC 32I-B	

*) Using 50Hz voltage instead of 60Hz may lower the output of motors. (excluding servo motors and inverter motors)

Prior consultation is required when applying spindle contouring control for gear driven spindle.

Specifications are subject to change without notice for improvement.

CONTROLLER

FANUC 32i-B

[] : Option

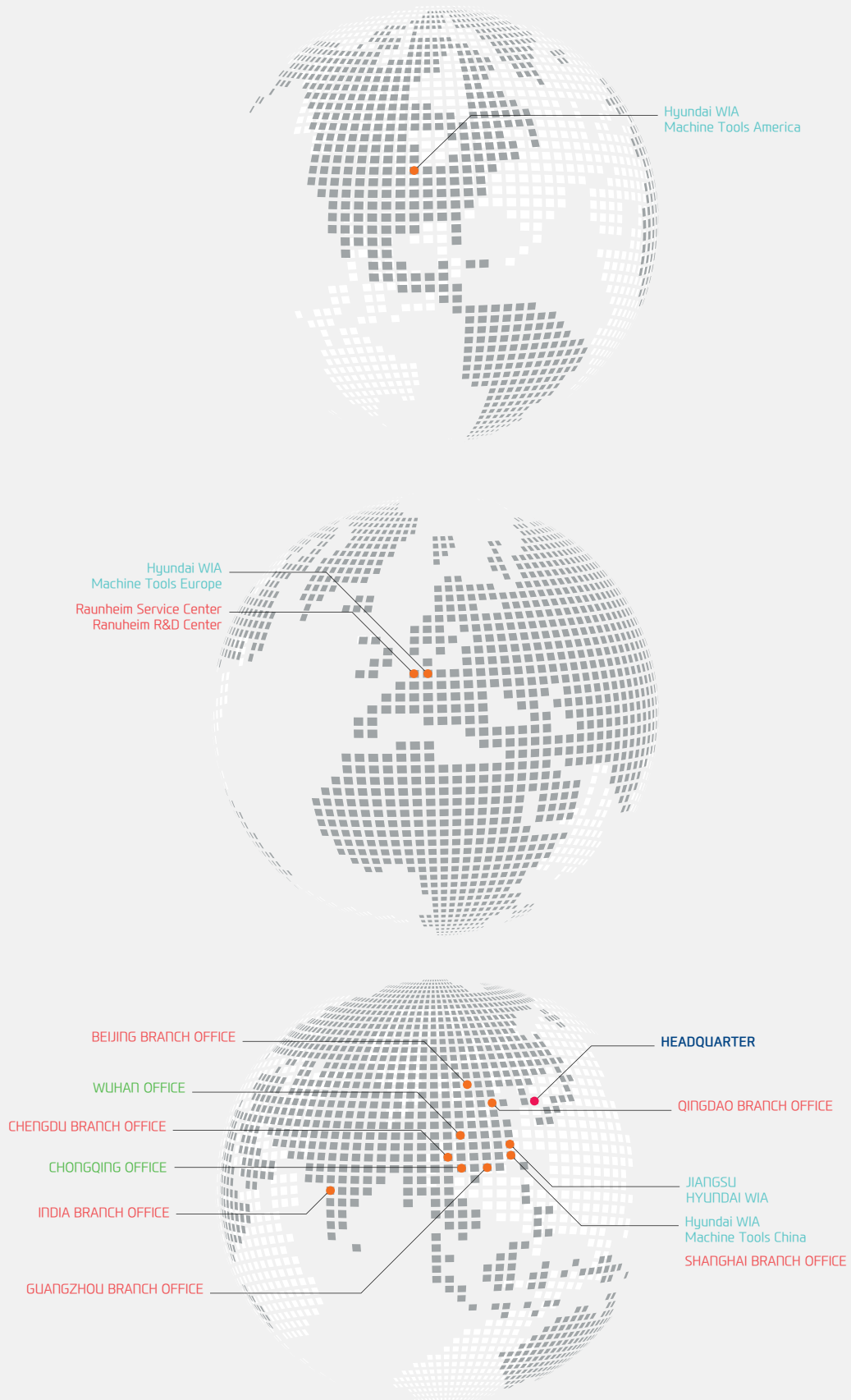
Controlled axis / Display / Accuracy Compensation	
Control axes	2 axes (X, Z) / 3 axes (X, Z, C) / 4 axes (X, Z, Y, C) 5 axes (X, Z, B, C, A) / 6 axes (X, Z, Y, B, C, A)
Simultaneously controlled axes	2 axes [Max. 4 axes]
Designation of spindle axes	4 axes (1 path), 6 axes (2 path Total)
Least setting Unit	X, Z, Y, B axes : 0.001 mm (0.0001 inch) C, A axes : 0.001 deg
Least input increment	X, Z, Y, B axes : 0.001 mm (0.0001 inch) C, A axes : 0.001 deg
Inch / Metric conversion	G20 / G21
High response vector control	
Interlock	All axes / Each axis
Machine lock	All axes
Backlash compensation	± 0 ~ 9999 pulses (Rapid traverse / Cutting feed)
Position switch	
LCD / MDI	10.4 inch color LCD
Feedback	Absolute motor feedback
Stored stroke check 1	Over travel
Stored stroke check 2, 3	
PMC axis control	
Operation	
Automatic operation (Memory)	
MDI operation	
DNC operation	Needed DNC software / CF card
Program restart	
Wrong operation prevention	
Program check function	Dry run, Program check
Single block	
Search function	Program Number / Sequence Number
Interpolation functions	
Nano interpolation	
Positioning	G00
Linear interpolation	G01
Circular interpolation	G02, G03
Exact stop mode	Single : G09, Continuous : G61
Dwell	G04, 0 ~ 9999.9999 sec
Skip	G31
Reference position return	1st reference : G28 2nd reference : G30 Ref. position check : G27
Thread synchronous cutting	
Thread cutting retract	
Variable lead thread cutting	
Multi / Continuous threading	
Feed function / Acc. & Dec. control	
Manual feed	Rapid traverse Jog : 0~2,000 mm/min (79 ipm) Manual handle : x1, x10, x100 pulses Reference position return
Cutting Feed command	Direct input F code
Feedrate override	0 ~ 200% (10% Unit)
Rapid traverse override	F1%, F25%, 50%, F100%
Override cancel	
Feed per minute	G98
Feed per revolution	G99
Look-ahead block	1 block
Program input	
Tape Code	EIA / ISO
Optional block skip	1 ea
Absolute / Incremental program	G90 / G91
Program stop / end	M00, M01 / M02, M30
Maximum command unit	± 999,999.999 mm (± 99,999.9999 inch)
Plane selection	X-Y : G17 / Z-X : G18 / Y-Z : G19
Workpiece coordinate system	G52, G53, 6 pairs (G54 ~ G59)
Manual absolute	Fixed ON
Programmable data input	G10
Sub program call	10 folds nested
Custom macro	#100 ~ #149, #500 ~ #549
G code system	A
Programmable mirror image	G51.1, G50.1
G code preventing buffering	G4.1
Multiple repetitive cycles I, II	

Program input	
Canned cycle for turning	
Manual Guide i	Conversational auto program
Auxiliary function / Spindle speed function	
Auxiliary function	M & 4 digit
Level-up M Code	High speed / Multi / Bypass M code
Spindle speed function	S & 4 digit, Binary output
Spindle override	0% ~ 150% (10% Unit)
Multi position spindle orientation	M19
Rigid tapping	
Constant surface speed control	G96, G97
Tool function / Tool compensation	
Tool function	T & 2 digit + Offset 2 digit
Tool life management	
Tool offset pairs	32 pairs
Tool nose radius compensation	G40, G41, G42
Geometry / Wear compensation	
Direct input of offset measured B	
Editing function	
Part program storage size	640m (256KB)
No. of registerable programs	500 ea
Program protect	
Background editing	
Extended part program editing	Copy, move and change of NC program
Memory card program edit	
Data input / output & Interface	
I/O interface	RS 232C serial port, CF card, USB memory Embedded Ethernet interface
Screen hard copy	
External message	
External key input	
External workpiece number search	
Automatic data backup	
Setting, display and diagnosis	
Self-diagnosis function	
History display & Operation	Alarm & Operator message & Operation
Run hour / Parts count display	
Maintenance information	
Actual cutting feedrate display	
Display of spindle speed / T code	
Graphic display	
Operating monitor screen	Spindle / Servo load etc.
Power consumption monitoring	Spindle & Servo
Spindle / Servo setting screen	
Multi language display	Support 20 languages
Display language switching	Selection of 5 optional Languages
LCD Screen Saver	Screen saver
Unexpected disturbance torque	BST (Back spin torque limit)
Function for machine type	
Cs contour control (C & A axes)	Mill, MS, Y, SY, LF-Mill, TTMS, TTSY
Polar coordinate interpolation	Mill, MS, Y, SY, LF-Mill, TTMS, TTSY
Cylindrical interpolation	Mill, MS, Y, SY, LF-Mill, TTMS, TTSY
Canned cycle for drilling	Mill, MS, Y, SY, LF-Mill, TTMS, TTSY
Spindle orientation expansion	MS, SY TTS, TTMS, TTSY
Spindle synchronous control	MS, SY TTS, TTMS, TTSY
Torque control	MS, SY TTS, TTMS, TTSY
Y axis offset	Y, SY, TTSY
Arbitrary angular control	Y, SY, TTSY
Composite / Superimposed control	MS, SY TTS, TTMS, TTSY
Balance cutting	MS, SY TTS, TTMS, TTSY
Option	
Additional optional block skip	9 ea
Fast ethernet	Needed option board
Data server	Needed option board
Protection of data at 8 levels	
Tool offset pairs	64 pairs / 99 pairs / 200 pairs
Part program storage size	1280 m (512KB) / 2560m (1MB)
Polygon turning (2 Spindles)	Mill, MS, Y, SY, LF-Mill, TTMS, TTSY
Helical interpolation	
Dynamic graphic display	
Direct drawing dimension program	Including Chamfering / Corner R

Figures in inch are converted from metric values.

The FANUC controller specifications are subject to change based on the policy of company CNC supplying.

GLOBAL NETWORK



GLOBAL NETWORK



HEADQUARTER

Changwon Technical Center / R&D Center / Factory

153, Jeongdong-ro, Seongsan-gu, Changwon-si,
Gyeongsangnam-do, Korea (Zip Code : 51533)
TEL : +82 55 280 9114 FAX : +82 55 282 9680

Uiwang Technical Center / R&D Center

37, Cheoldobangmulgwan-ro, Uiwang-si, Gyeonggi-do,
Korea (Zip Code : 16082)
TEL : +82 31 596 8209 Fax : +82 55 210 9804

OVERSEAS OFFICES

HYUNDAI WIA Machine Tools America

265, Spring Lake Drive, Itasca, IL, 60143
TEL : +1 630 625 5600
FAX : +1 630 625 4733

Jiangsu HYUNDAI WIA

Company No.6 Fenghuang Road,
Fenghuang Town, Zhangjiagang City,
Jiangsu province, China
TEL : +86 512 5672 6808
FAX : +86 512 5671 6960

Chengdu Branch Office

NO.508 Room, B Block, AFC Plaza, NO.88
Jiaozi Road, High-tech Zone, Chengdu,
China
TEL : +86 028 8665 2985
FAX : +86 028 8665 2985

HYUNDAI WIA Machine Tools Europe

Kaiserleipromenade 5, 63067 Offenbach,
Germany
TEL : +49 69271 472 701
FAX : +49 69271 472 719

Hyundai WIA Machine Tools China Shanghai Branch Office

1-3F, Bldg6, No.1535 Hongmei Road,
Xuhui District, Shanghai, China
TEL : +86 021 6427 9885
FAX : +86 021 6427 9890

Qingdao Branch Office

Room 1207, Cai Fu Building, 182-6 Haier
Middle Road, Qingdao, China
TEL : +86 532 8667 9334
FAX : +86 532 8667 9338

Raunheim Service Center Raunheim R&D Center

Frankfurter. 63, 65479 Raunheim,
Germany
TEL : +49 6142 9256 111
FAX : +49 6142 9256 100

Beijing Branch Office

Floor 14, Zhonghangji Plaza B, No.15
Ronghua South Road, BDA Dist., Daxing
Dist., Beijing, China 100176
TEL : +86 010 8453 9850
FAX : +86 010 8453 9853

Wuhan Office

306-2, A Tower, Jiayu Gpmggian, No12
Chuangye Road, Economic Development
Zone, Wuhan, Hubei, China
TEL : +86 027 5952 3256
FAX : +86 027 5952 3256

India Branch Office

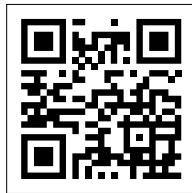
#4/169, Rajiv Gandhi Salai, (OMR),
Kandanchavadi, Chennai-600 096,
Tamilnadu, India
TEL: +91-44-3290-1719

Guangzhou Branch Office

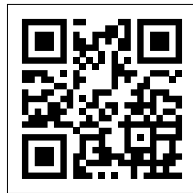
Room 311, Unit 1-3, POLY TAL TU WUP,
Hanxi Avenue, Panyu District, Guangzhou,
China
TEL : +86 020 8550 6595
FAX : +86 020 8550 6597

Chongqing Office

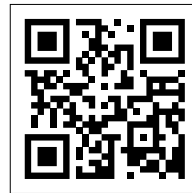
Room 951, #3, Jinrongcheng T3, Jiangbei,
Chongqing, China
TEL : +86 23 6701 2970



L500LMA Movie 1



L500LMA Movie 2



L500LMA 3D Movie



<http://machine.hyundai-wia.com>

Head Office & Factory

153, Jeongdong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do **Tel** +82 55 280 9500

Overseas Sales Team

16F, 37, Cheoldobangmulgwan-ro, Uiwang-si, Gyeonggi-do **Tel** +82 31 593 8173

HYUNDAI WIA Machine Tools America

265 Spring Lake Drive, Itasca, IL, 60143 **Tel** +1 (630) 625 5600 **Fax** +1 (630) 625 4733

HYUNDAI WIA Machine Tools Europe

Kaiserleipromenade 5, D-63067 Offenbach, Germany **Tel** +49 69271 472 701 **Fax** +49 69271 472 719

India Branch Office

#4/169, Rajiv Gandhi Salai, (OMR), Kandanchavadi, Chennai-600 096, Tamilnadu, India **Tel** +91 44 3290 1719