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CNC AUTOMATIC LATHE  
**XP SERIES**

- XP 12/16
- XP 12S/16S
- XP 20S/26S/32S

### 3-AXIS CNC AUTOMATIC LATHE

#### Product eject structure



- Maximized convenience for end-user
- Design for easy tooling set-up

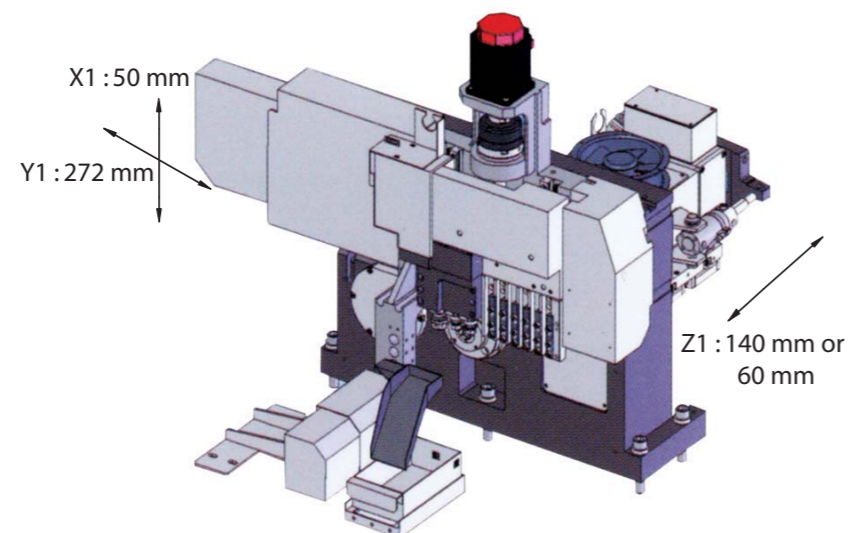
#### Coolant tank



- Cover design of minimized coolant leakage
- One body control box considering space utilization
- Easy chip drop and stream of coolant



### TOOLING SYSTEM



#### TOOL SPECIFICATION

TOOL POSITION	TOOL NO.	REMARK
OD	6	□12
CROSS	3	ER16:1 / ER11:2
FRONT	3	

Please contact to Hanwha for more tool options

### SPECIFICATION

MODEL	XP12	XP16
NC	HANWHA FANUC i/Mitsubishi(M70)	HANWHA FANUC i
Max Turning Ø in Main	Ø12mm	Ø16mm
Number of Tools	OD TOOL	6 EA [□12]
	CROSS TOOL	3 EA [ER11:2EA, ER16:1EA]
	FRONT TOOL	3 EA [ER11:3EA]
Front Tool	Max Drilling Ø	Ø7mm
	Max Tapping M	M6
Cross Tool	Max Drilling Ø	Ø5mm
	Max Tapping M	M4 [ER11]
	Max Slotting	Width 1.5 mm X Depth 2.0 mm
Main Spindle Motor	rpm	10,000 (Fix GB: 12,000) rpm
	power	2.2/3.7 Kw
Cross Tool Motor	rpm	5,000 rpm
	power	0.5 Kw
Coolant Tank (Liter)	100 Liter	100 Liter
Machine Weight	1,500 Kg	1,500 Kg
Power Consumption (Cable Size)	5KVA (Min. 4 SQ)	5KVA (Min. 4 SQ)
Air Flow Rate	120~150 Liter / Min	120~150 Liter / Min

All specifications are subject to change without notice

#### STANDARD

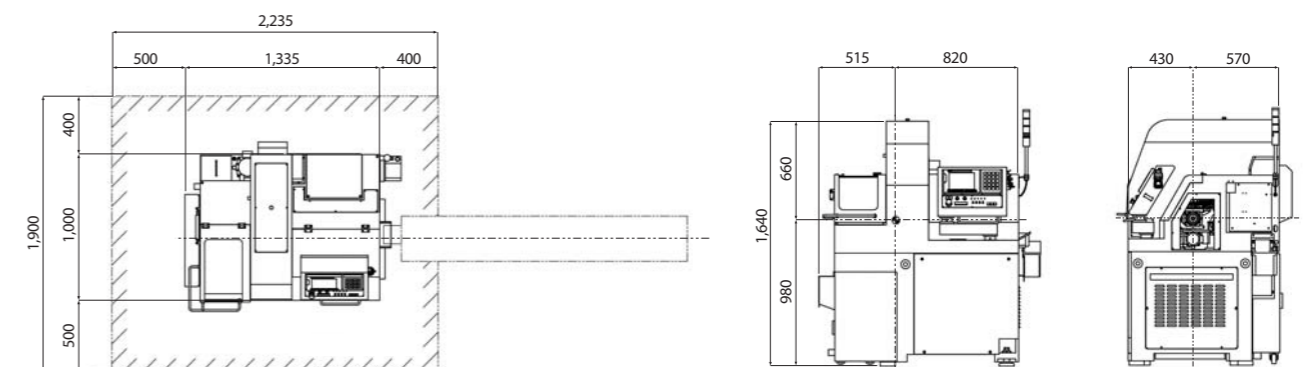
- FULL C - AXIS CONTROL ON MAIN
- DOOR INTERLOCK
- SIGNAL LAMP(3 COLOR)

#### OPTION

- CROSS DRILLING / MILLING UNIT (3 EA)
- ROTARY GUIDE BUSH HOLDER UNIT
- 1 DEGREE MAIN SPINDLE INDEXING UNIT
- CUT-OFF TOOL BREAKAGE DETECTOR(H/W)
- TAP BREAKAGE DETECTOR
- M CODE AIR BLOW
- MPG
- TRANSFORMER
- NC WARRANTY FOR 2 YEARS
- BARFEEDER
- COOLANT FLOW DETECTOR

### DIMENSIONS

(Unit : mm)



### 4-AXIS CNC AUTOMATIC LATHE

#### Main spindle section



- Free position typed Operation panel for convenient work
- 3 open doors on main spindle for maintenance and repair

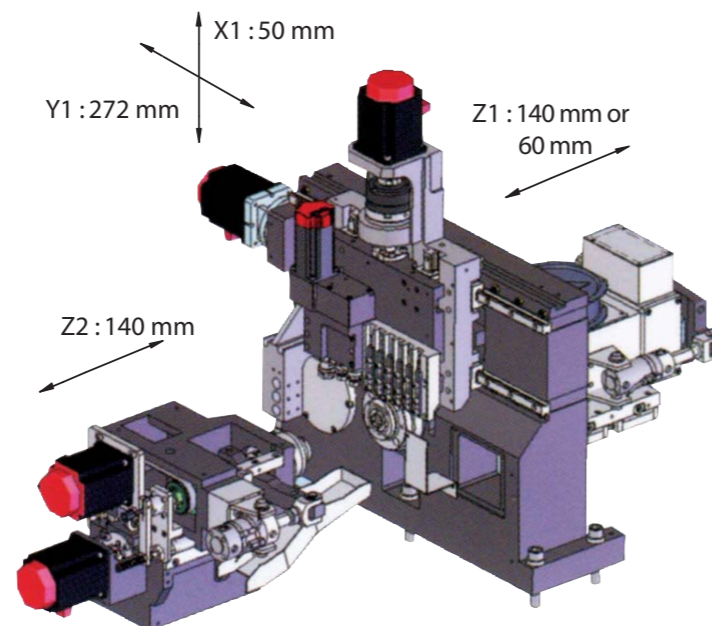
#### Sub spindle section



- Comfortable operation and tooling
- Safe working environment
- Extreme customer satisfaction



### TOOLING SYSTEM



#### TOOL SPECIFICATION

TOOL POSITION	TOOL NO.	REMARK
OD	6	□12
CROSS	3	ER16:1 / ER11:2
FRONT	3	

Please contact to Hanwha for more tool options

### SPECIFICATION

MODEL	XP12S	XP16S
NC	HANWHA FANUC i/Mitsubishi(M70)	HANWHA FANUC i
Max Turning Ø in Main	Ø12mm	Ø16mm
Max Chucking Ø in Sub	Ø12mm	Ø16mm
Number of Tools	OD TOOL	6 EA [□12]
	CROSS TOOL	3 EA [ER11: 2EA, ER16: 1EA]
	FRONT TOOL	3 EA [ER11: 3EA]
Front Tool	Max Drilling Ø	Ø7mm
	Max Tapping M	M6
Cross Tool	Max Drilling Ø	Ø5mm
	Max Tapping M	M4 [ER11]
	Max Slotting	Width 1.5 mm X Depth 2.0 mm
Main Spindle Motor	rpm	10,000 (Fix GB: 12,000) rpm
	power	2.2/3.7 Kw
Sub Spindle Motor	rpm	10,000 rpm
	power	1 Kw
Cross Tool Motor	rpm	5,000 rpm
	power	0.5 Kw
Coolant Tank (Liter)	120 Liter	120 Liter
Machine Weight	1,700 Kg	1,800 Kg
Power Consumption (Cable Size)	10 KVA (Min. 45Q)	10 KVA (Min. 45Q)
Air Flow Rate	120~150 Liter / Min	120~150 Liter / Min

All specifications are subject to change without notice

#### STANDARD

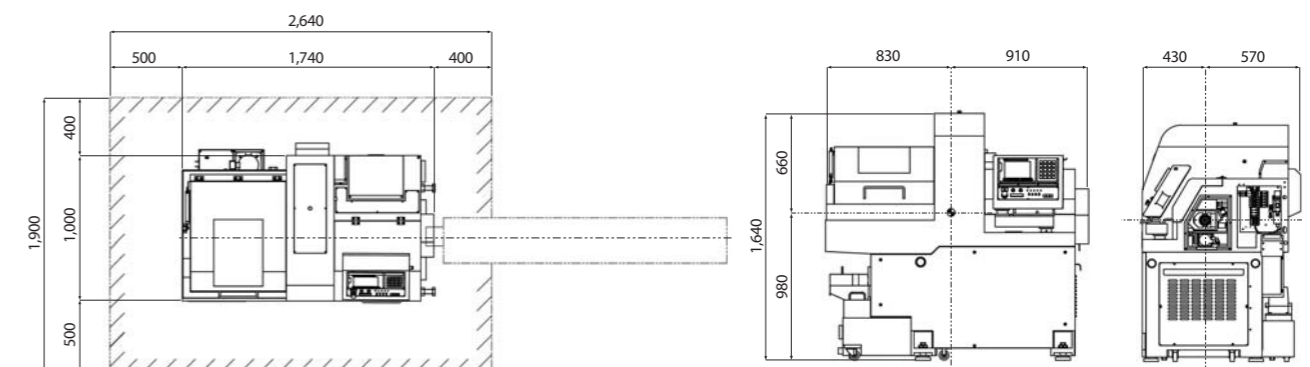
- FULL C - AXIS CONTROL ON MAIN
- DOOR INTERLOCK
- SIGNAL LAMP(3 COLOR)

#### OPTION

- FULL C - AXIS CONTROL ON SUB
- CROSS DRILLING / MILLING UNIT (3 EA)
- ROTARY GUIDE BUSH HOLDER UNIT
- 1 DEGREE MAIN SPINDLE INDEXING UNIT
- PARTS CONVEYOR
- CUT-OFF TOOL BREAKAGE DETECTOR(H/W)
- CUT-OFF TOOL BREAKAGE DETECTOR(S/W)
- TAP BREAKAGE DETECTOR
- M CODE AIR BLOW
- MPG
- TRANSFORMER
- PIPE TYPE EJECTION UNIT
- ADDITIONAL 1 PIPE SET FOR EJECTION UNIT
- NC WARRANTY FOR 2 YEARS
- BARFEEDER
- COOLANT FLOW DETECTOR
- CHIP CONVEYOR

### DIMENSIONS

(Unit : mm)



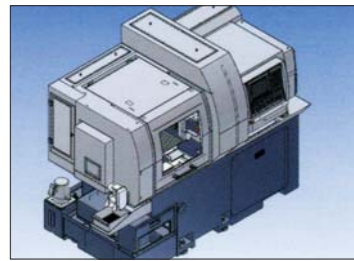
### 4-AXIS CNC AUTOMATIC LATHE

#### Free-positional operating panel



- Multi-positional operating panel for efficient operability in tooling & programming

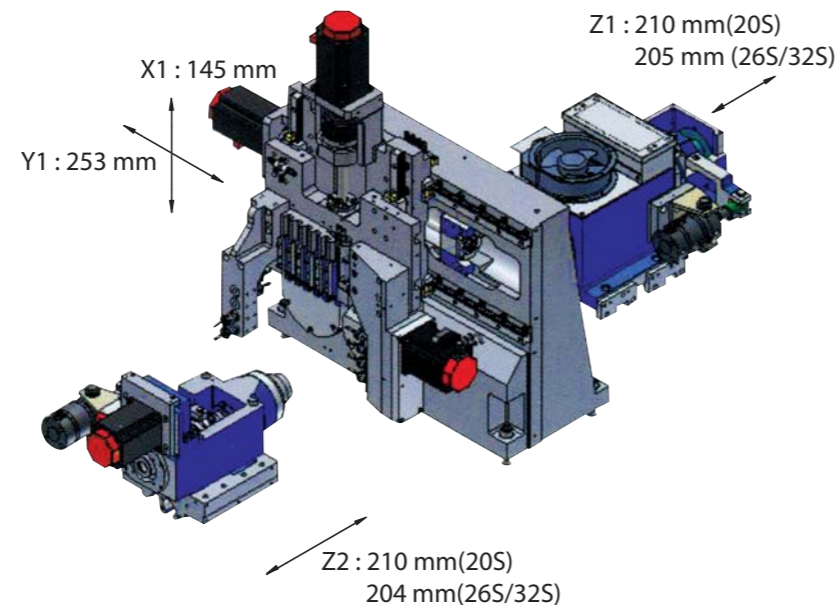
#### Compact Design



- Compact design to optimize the usage of space (2,070 x 1,140 x 1,715)
- Rounded and elegant cover design



### TOOLING SYSTEM



#### TOOL SPECIFICATION

TOOL POSITION	TOOL NO.	REMARK
OD	6	□12
CROSS	4	ER16: 4
FRONT	4	

Please contact to Hanwha for more tool options

### SPECIFICATION

MODEL		XP20S	XP26S	XP32S
NC		HANWHA FANUC i	HANWHA FANUC i	HANWHA FANUC i
Max Turning Ø in Main		Ø20 mm	Ø26 mm	Ø32 mm
Max Chucking Ø in Sub		Ø20 mm	Ø26 mm	Ø32 mm
Number of Tools	OD TOOL	6 EA [□12]	5 EA [□16]	5 EA [□16]
	CROSS TOOL	4 EA [ER16]	4 EA [ER16]	4 EA [ER16]
	FRONT TOOL	4 EA [ER16]	4 EA [ER16]	4 EA [ER16]
Front Tool	Max Drilling Ø	Ø10 mm	Ø10 mm	Ø10 mm
	Max Tapping M	M8	M8	M8
Cross Tool	Max Drilling Ø	Ø10 mm	Ø10 mm	Ø10 mm
	Max Tapping M	M6 [ER16]	M8 [ER16]	M8 [ER16]
	Max Slotting	Width 1.5 mm X Depth 4.0 mm	Width 1.5 mm X Depth 4.0 mm	Width 1.5 mm X Depth 4.0 mm
Main Spindle Motor	rpm	10,000 rpm	8,000 rpm	8,000 rpm
	power	2.2/3.7 Kw	5.5/7.5 Kw	5.5/7.5 Kw
Sub Spindle Motor	rpm	8,000 rpm	8,000 rpm	8,000 rpm
	power	0.55/1.1 Kw	1.5/2.2 Kw	1.5/2.2 Kw
Cross Tool Motor	rpm	6,000 rpm	6,000 rpm	6,000 rpm
	power	1Kw	1Kw	1Kw
Coolant Tank (Liter)		160 Liter	160 Liter	160 Liter
Machine Weight		2,300 Kg	2,450Kg	2,500 Kg
Power Consumption (Cable Size)		15 KVA (Min 4 SQ)	20 KVA (Min 6 SQ)	20 KVA (Min 6 SQ)
Air Flow Rate		120~150 Liter / Min	120~150 Liter / Min	120~150 Liter / Min

All specifications are subject to change without notice

#### STANDARD

- FULL C - AXIS CONTROL ON MAIN
- DOOR INTERLOCK
- SIGNAL LAMP(3 COLOR)
- CROSS DRILLING / MILLING UNIT (4 EA)
- ROTARY GUIDE BUSH HOLDER UNIT
- 1 DEGREE MAIN SPINDLE INDEXING UNIT

#### OPTION

- FULL C - AXIS CONTROL ON SUB
- PARTS CONVEYOR
- CHIP CONVEYOR
- CUT-OFF TOOL BREAKAGE DETECTOR(H/W)
- CUT-OFF TOOL BREAKAGE DETECTOR(S/W)
- TAP BREAKAGE DETECTOR
- M CODE AIR BLOW
- MPG
- TRANSFORMER
- PIPE TYPE EJECTION UNIT
- ADDITIONAL 1 PIPE SET FOR EJECTION UNIT
- NC WARRANTY FOR 2 YEARS
- SPARE M CODE KIT
- BARFEEDER

### DIMENSIONS

(Unit : mm)

