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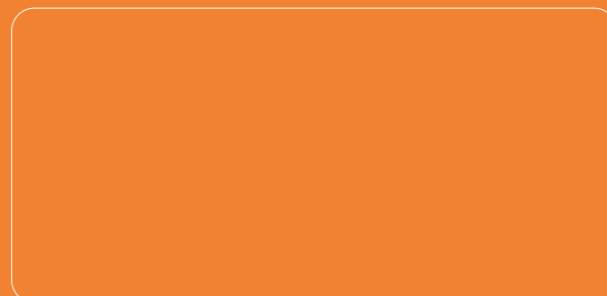
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■ Overseas Branches

- U.S.A Hanwha Machinery America Tel : +1-414-421-2300 ext 104
- CHINA Hanwha TechM Shanghai Office Tel : +86-21-6209-9558 Fax : +86-21-6208-4752
- GERMANY Hanwha Europe GmbH Tel : +49-6196-5016-33 Fax : +49-6196-5016-90



Headquarters  
Machine Tools Division  
59 SungSan-Dong, SungSan-Gu,  
Changwon City, KyungNam, South Korea  
TEL: +82-55-280-4678/4670  
FAX: +82-55-280-8997  
Web: www.hanwhatechm.co.kr  
email:mtinfo@hanwha.co.kr



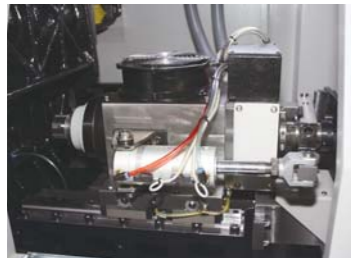
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## CNC AUTOMATIC LATHE XD SERIES

- XD 12H/12J II
- XD 20H/20J/26H/26J/35J
- XD 20M
- XD 32H/35H/38H
- XD None Guid Bush Type

### 5-AXIS CNC AUTOMATIC LATHE

#### Stable headstock design



- Built-in motor enabling high accuracy
- Keeping low noise and temperature

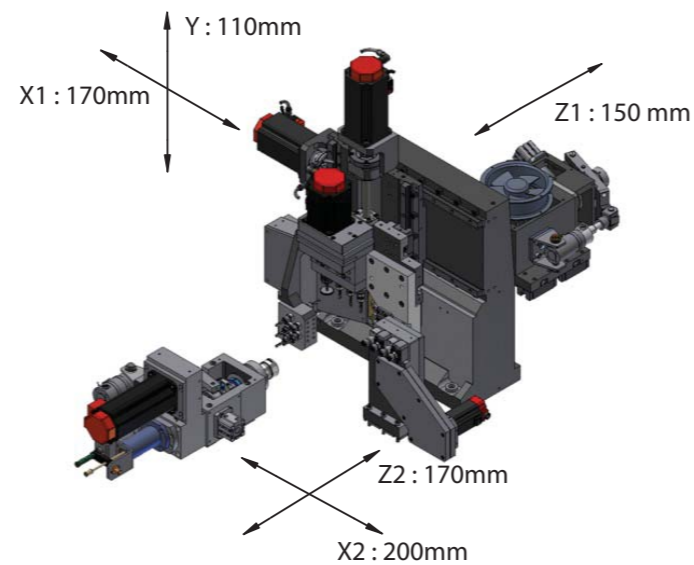
#### Modular type cross tool



- Comfortable operation and tooling
- Safe working environment



### TOOLING SYSTEM



#### TOOL SPECIFICATION

TOOL POSITION	TOOL NO.	REMARK
OD	6	□10
CROSS	4	ER16:1 / ER11:3
FRONT	5	
BACK	4	H type / J type

Please contact to Hanwha for more tool options

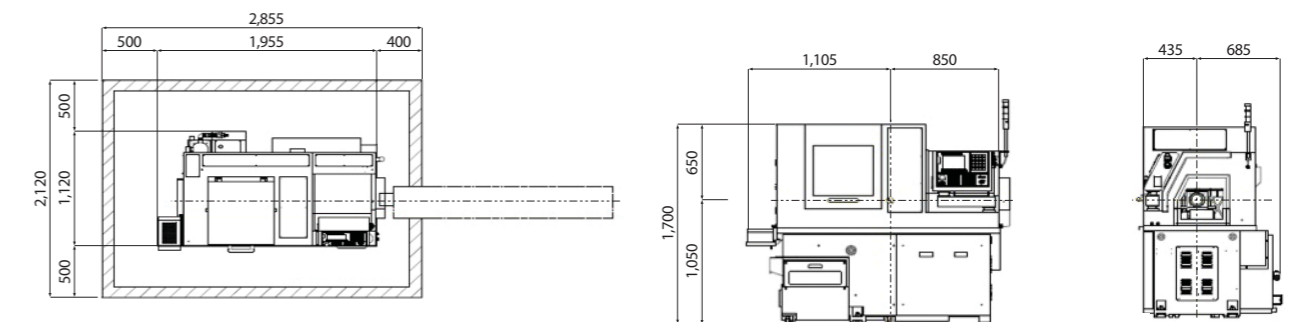
### SPECIFICATION

MODEL		XD12H II	XD12J II
NC		Hanwha-Fanuc i	
Max Turning Ø in Main		Ø12 mm	
Max Chucking Ø in Sub		Ø12 mm	
Tool ( ) Option	OD TOOL	5 EA [□10]	5 EA [□12]
	CROSS TOOL	4EA[ER11:3EA, ER16:1EA]	
	FRONT TOOL	5 EA	3 EA
	BACK TOOL	4EA[ER11/2FIXED, 2DRIVEN]	4EA[ER11/4FIXED]
Front tool	Max Drilling Ø	Ø7 mm	
	Max Tapping (mm)	M6	
Cross Tool	Max Drilling Ø	Ø7mm/Ø10mm[ER11/ER16]	
	Max Tapping M	M6 [ER16]	
	Max Slotting	Width 1.5mm X Depth 2.0mm	
Back Tool	Max Drilling(Fix)	Ø7mm[ER11]	
	Max Drilling(Driven)	Ø6mm[ER11]	-
	Max Tapping(Fix)	M6[ER11]	
	Max Tapping(Driven)	M5	
Main Spindle Motor	rpm	12,000rpm	
	power	2.2/3.7	
Sub Spindle Motor	rpm	10,000 rpm	
	power	0.55/1.1 Kw	
Cross Tool Motor	rpm	6,000rpm	
	power	1 Kw	
Back Tool Motor	rpm	6,000rpm	-
	power	0.5 Kw	-
Coolant(Liter)		175 Liter	
Machine Weight		1,900 Kg	
Power Consumption (Cable Size)		15KVA(Min 4 SQ)	
Air Flow Rate		120-150 Liter/Min	

All specifications are subject to change without notice

### DIMENSIONS

(Unit : mm)



#### STANDARD

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

#### OPTION

- PART CONVEYOR
- CHIP CONVEYOR
- CUT-OFF TOOL BREAKAGE DETECTOR(H/W)
- CUT-OFF TOOL BREAKAGE DETECTOR(S/W)
- TAP BREAKAGE DETECTOR
- M CODE AIR BLOW
- PIPE TYPE EJECTION UNIT
- ADDITIONAL 1 PIPE SET FOR EJECTION UNIT
- SPARE M CODE KIT
- TRANSFORMER
- NC WARRANTY FOR 2 YEARS
- BARFEEDER

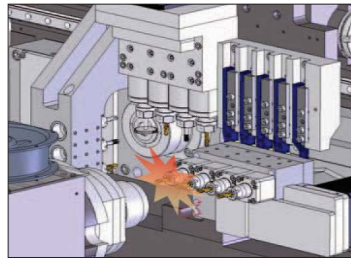
### 5-AXIS CNC AUTOMATIC LATHE

#### Modular type cross tool



- Special tools are available
  - Thread whirling
  - Side cutter
  - Polygon tool
  - 3-axis live tool

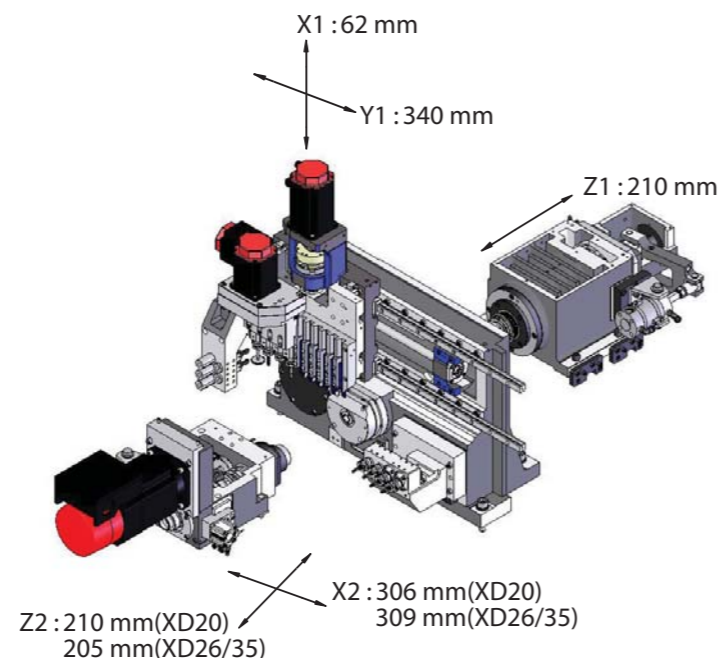
#### Crash prevent system



- Tool durability control system
- Automatic cut off program system
- Motor load check system



### TOOLING SYSTEM



#### TOOL SPECIFICATION

TOOL POSITION	TOOL NO.			REMARK		
	XD20	XD26	XD35	XD20	XD26	XD35
OD	6	5	5	□12	□16	□16
CROSS	4			ER16		
FRONT	5	5	4			
BACK	4			H type / J type		
OFF CENTER	2	2	1	Driven		

Please contact to Hanwha for more tool options

### SPECIFICATION

MODEL	XD20H	XD20J	XD26H	XD26J	XD35J	
NC	HANWHA FANUC i/Siemens 840D/Mitsubishi M720(XD20H Only)					
Max Turning Ø in Main	Ø20 mm		Ø26 mm		Ø35 mm	
Max Chucking Ø in Sub	Ø20 mm		Ø26 mm		Ø35 mm	
Tool ( ) Option	OD TOOL	6 EA [□12]		5 EA [□16]		5 EA [□16]
	CROSS TOOL	4 EA [ER16]		4 EA [ER16]		4 EA [ER16]
	FRONT TOOL	5 EA		5 EA		4 EA
	BACK TOOL	4 EA [ER16/2 FIXED/2 DRIVEN]	4 EA [ER16/4 FIXED]	4 EA [ER16/2 FIXED/2 DRIVEN]	4 EA [ER16/4 FIXED]	4 EA [J type]
	OFF CENTER TOOL	2 EA [ER16]		2 EA [ER16]		1EA[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 [ER16]		Ø10 mm [ER16]		Ø10mm[ER16]
	Max Tapping M	M6 [ER16]		M6 [ER16]		M6 [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 Depth 4.0 mm
Back Tool	Max Drilling (Fix)	Ø10 mm [ER16]		Ø10 mm [ER16]		Ø10mm[ER16]
	Max Drilling(Driven)	Ø8 mm [ER16]		Ø8 mm [ER16]		-
	Max Tapping (Fix)	M8 [ER16]		M8 [ER16]		M8 [ER16]
	Max Tapping(Driven)	M6 [ER16]		M6 [ER16]		-
Main Spindle Motor	rpm	10,000rpm		8,000rpm		8,000rpm
	power	2.2/3.7 Kw		2.2/5.5 Kw		2.2/5.5 Kw
Sub Spindle Motor	rpm	8,000rpm		8,000rpm		8,000rpm
	power	1.5/2.2 Kw		1.5/2.2 Kw		1.5/2.2 Kw
Cross Tool Motor	rpm	6,000rpm		6,000rpm		6,000rpm
	power	1 Kw		1 Kw		1 Kw
Back Tool Motor	rpm	6,000 rpm	-	6,000 rpm	-	-
	power	1 Kw(1.1Kw)	-	1 Kw(1.1Kw)	-	-
Coolant Tank (Liter)	170 Liter		170 Liter		170 Liter	
Machine Weight	2,700 Kg		2,700 Kg		2,750kg	
Power Consumption (Cable Size)	15 KVA (Min 4 SQ)		15 KVA (Min 4 SQ)		15 KVA (Min 4 SQ)	
Air Flow Rate	120~150 Liter / Min		120~150 Liter / Min		120~150 Liter / Min	

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#### STANDARD

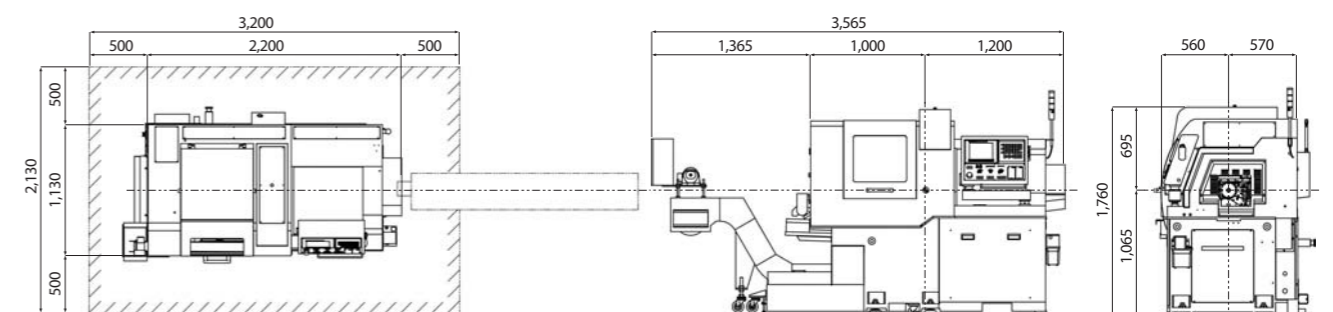
- FULL C - AXIS CONTROL ON MAIN
- FULL C - AXIS CONTROL ON SUB
- DOOR INTERLOCK
- SIGNAL LAMP(3 COLOR)
- MPG

#### OPTION

- PART CONVEYOR
- CHIP CONVEYOR
- CUT-OFF TOOL BREAKAGE DETECTOR(H/W)
- CUT-OFF TOOL BREAKAGE DETECTOR(S/W)
- TAP BREAKAGE DETECTOR
- M CODE AIR BLOW
- PIPE TYPE EJECTION UNIT
- ADDITIONAL 1 PIPE SET FOR EJECTION UNIT
- SPARE M CODE KIT
- TRANSFORMER
- NC WARRANTY FOR 2 YEARS
- BARFEEDER
- 4 DRIVEN BACK TOOL
- POWER GUIDE BUSH

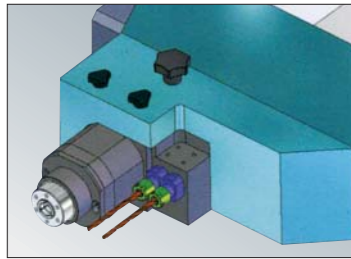
### DIMENSIONS

(Unit : mm)



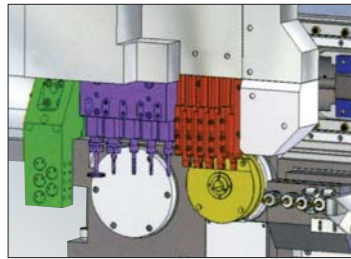
### 5-AXIS CNC AUTOMATIC LATHE

#### Specialized medical part



- Fixed long gun drill (Max.110mm)
- Optimized Cross tool for Special tool

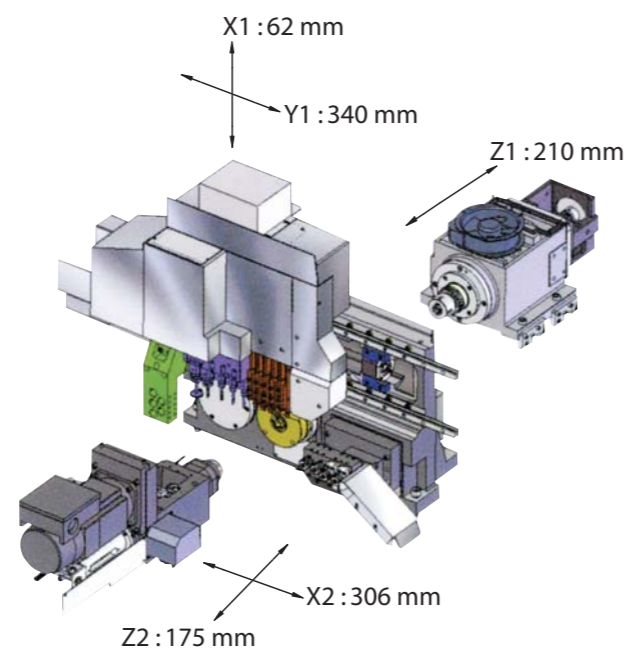
#### Optimized Cross tool



- Optimized Cross tool for Special tool



### TOOLING SYSTEM



#### TOOL SPECIFICATION

TOOL POSITION	TOOL NO.	REMARK
OD	5	□12
CROSS	5	ER16:2 / ER11:3
FRONT	5	
BACK	4	H type
LONG GUNDRILL	2	Fixed type

Please contact to Hanwha for more tool options

### SPECIFICATION

MODEL	XD20M	
NC	HANWHA FANUC i / SIEMENS	
Max Turning Ø in Main	20Ø	
Max Chucking Ø in Sub	20Ø	
Tool	OD TOOL	5 EA
	CROSS TOOL	5 EA [ER16: 2EA, ER11: 3EA]
	FRONT TOOL	5 EA
	BACK TOOL	4 EA [ER16 / 2 FIXED, 2 DRIVEN]
	LONG GUNDRILL	2 EA [ER16 / FIXED]
Front Tool	Max Drilling Ø	Ø10 mm
	Max Tapping M	M8
Cross Tool	Max Drilling Ø	Ø10 mm [ER16]
	Max Tapping M	M6 [ER16]
	Max Slotting	Width 1.5 mm X Depth 4.0 mm
Back Tool	Max Drilling (Fix)	Ø10 mm [ER16]
	Max Drilling (Driven)	Ø8 mm [ER16]
	Max Tapping (Fix)	M8 [ER16]
	Max Tapping (Driven)	M6 [ER16]
Main Spindle Motor	rpm	10,000rpm
	power	2.2/3.7 Kw
Sub Spindle Motor	rpm	8,000rpm
	power	1.5/2.2 Kw
Cross Tool Motor	rpm	6,000rpm
	power	1 Kw
Back Tool Motor	rpm	6,000 rpm
	power	1 Kw
Coolant Tank (Liter)	170 Liter	
Machine Weight	2,700 Kg	
Power Consumption (Cable Size)	15 KVA (Min 4 SQ)	
Air Flow Rate	120~150 Liter / Min	

All specifications are subject to change without notice

#### STANDARD

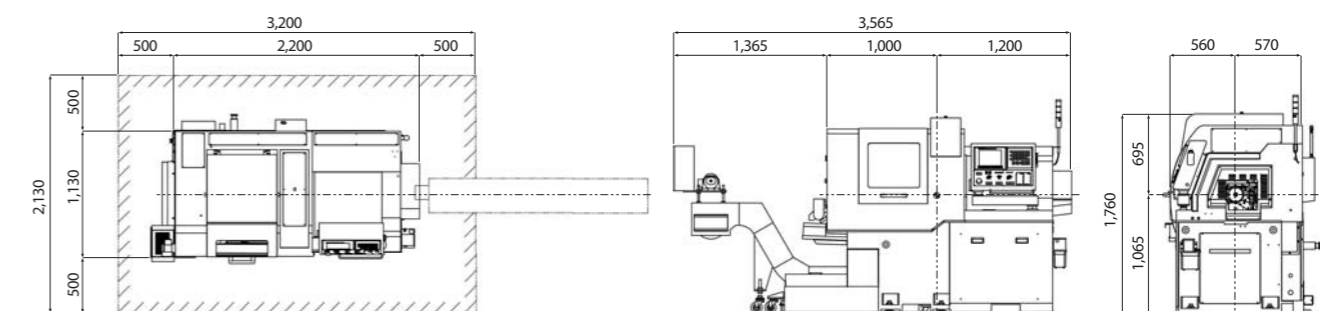
- FULL C - AXIS CONTROL ON MAIN
- FULL C - AXIS CONTROL ON SUB
- DOOR INTERLOCK
- SIGNAL LAMP(3 COLOR)
- MPG

#### OPTION

- PART CONVEYOR
- CHIP CONVEYOR
- CUT-OFF TOOL BREAKAGE DETECTOR(H/W)
- CUT-OFF TOOL BREAKAGE DETECTOR(S/W)
- TAP BREAKAGE DETECTOR
- M CODE AIR BLOW
- PIPE TYPE EJECTION UNIT
- ADDITIONAL 1 PIPE SET FOR EJECTION UNIT
- SPARE M CODE KIT
- TRANSFORMER
- NC WARRANTY FOR 2 YEARS
- BARFEEDER
- 4 DRIVEN BACK TOOL
- POWER GUIDE BUSH

### DIMENSIONS

(Unit : mm)



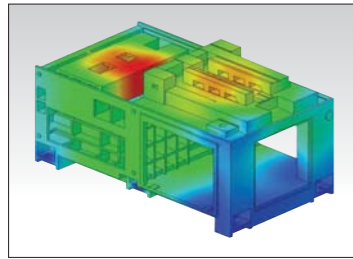
### 5-AXIS CNC AUTOMATIC LATHE

#### Powerful motor



- Improved tooling precision by built-in motor on main & sub spindle
- Excellent tooling efficiency by separate motor working on sub spindle & off-center drills

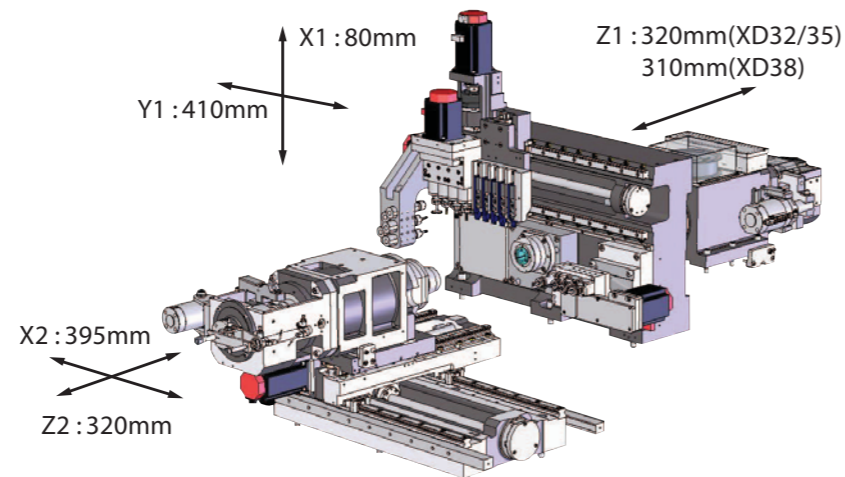
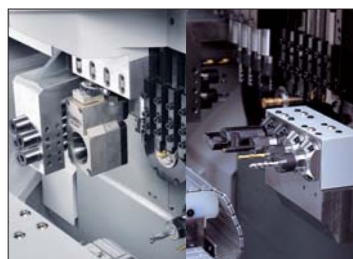
#### High rigidity mechanism



- Improved rigidity by direct connection style motor on all transfer axes
- Optimized bed for vibration absorption and minimized heat displacement



### TOOLING SYSTEM



#### TOOL SPECIFICATION

TOOL POSITION	TOOL NO.	REMARK
OD	5	□ 16
CROSS	4	ER16
FRONT	5	
BACK	4	H type
OFF CENTER	2	Driven

Please contact to Hanwha for more tool options

### SPECIFICATION

MODEL	XD32H	XD35H	XD38H
NC	HANWHA FANUC I/Siemens 840D(XD38H Only)		
Max Turning Ø in Main	Ø32 mm	Ø35 mm	Ø38 mm
Max Chucking Ø in Sub	Ø32 mm	Ø35 mm	Ø38 mm
(Z1) Stroke	None GB	-	
	Rotary GB	320 mm	320 mm
Tool	OD TOOL	5 EA [□ 16]	
	CROSS TOOL	4 EA [ER16]	
	FRONT TOOL	5 EA	
	BACK TOOL	4 EA [ER16 / 2 FIXED, 2 DRIVEN]	
	OFF CENTER TOOL	2 EA [ER16]	
Front Tool	Max Drilling Ø	Ø13 mm	
	Max Tapping M	M12 x P1.75	
Cross Tool	Max Drilling Ø	Ø10 mm	
	Max Tapping M	M8	
	Max Slotting	Width 1.5 mm X Depth 4.0 mm	
Back Tool	Max Drilling (Fix)	Ø10 mm [ER16]	
	Max Drilling (Driven)	Ø8 mm [ER16]	
	Max Tapping (Fix)	M8 [ER16]	
	Max Tapping (Driven)	M6 [ER16]	
Main Spindle Motor	rpm	8,000 rpm	
	power	5.5/7.5 Kw(8.27Kw)	
Sub Spindle Motor	rpm	7,000 rpm	
	power	2.2/5.5 Kw(8.27Kw)	
Cross Tool Motor	rpm	6,000rpm	
	power	1.4 Kw	
Back Tool Motor	rpm	5,000rpm	
	power	1 Kw(1.9Kw)	
Off Center Tool Motor	rpm	6,000 rpm	
	power	1 Kw(1.9Kw)	
Coolant Tank (Liter)	190 Liter		
Machine Weight	4,050 Kg		
Power Consumption (Cable Size)	20 KVA (Min 6 SQ)		
Air Flow Rate	60~75 Liter / Min		

All specifications are subject to change without notice

#### STANDARD

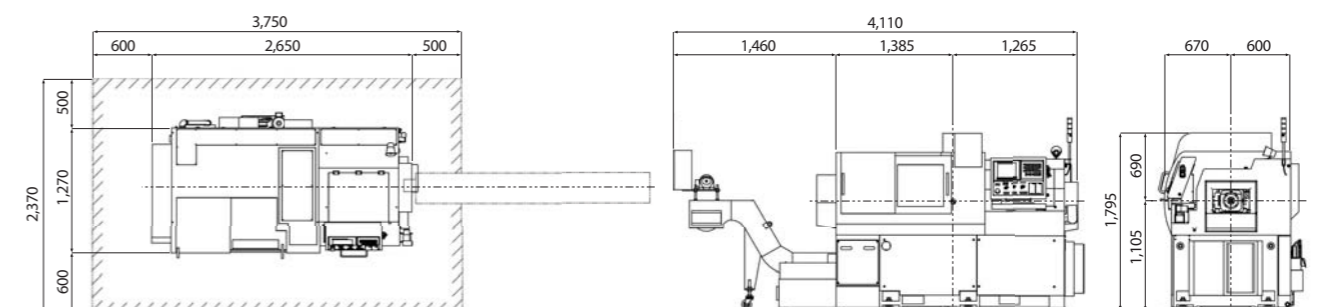
- FULL C - AXIS CONTROL ON MAIN
- FULL C - AXIS CONTROL ON SUB
- DOOR INTERLOCK
- SIGNAL LAMP(3 COLOR)
- MPG
- PART CONVEYOR

#### OPTION

- PART CONVEYOR
- CHIP CONVEYOR
- CUT-OFF TOOL BREAKAGE DETECTOR(H/W)
- CUT-OFF TOOL BREAKAGE DETECTOR(S/W)
- TAP BREAKAGE DETECTOR
- M CODE AIR BLOW
- PIPE TYPE EJECTION UNIT
- ADDITIONAL 1 PIPE SET FOR EJECTION UNIT
- SPARE M CODE KIT
- TRANSFORMER
- NC WARRANTY FOR 2 YEARS
- BARFEEDER
- 4 DRIVEN BACK TOOL

### DIMENSIONS

(Unit : mm)



# XD None Guide Bush Type

Excellent Dynamics & Diversity & Design

www.hanwhatechm.co.kr

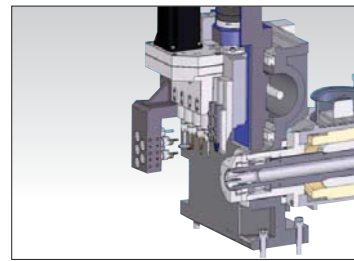
20N/20Ne/35Ne/32N/35N/38N

## Minimizing remnant



Minimizing remnant below 80mm

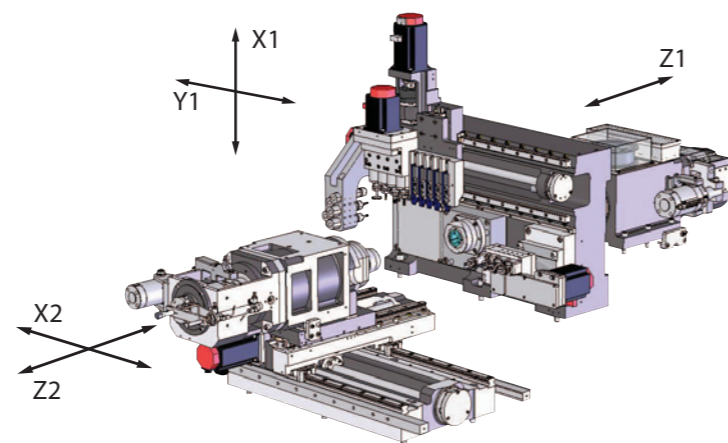
## Efficiency for short part



Direct machining from main spindle for high precision maximized tooling ability with LM roller guide on z slide



## TOOLING SYSTEM



## TOOL SPECIFICATION

TOOL POSITION	TOOL NO.	REMARK
OD	5	□ 16
CROSS	4	ER16
FRONT	5	
BACK	4	H type
OFF CENTER	2	Driven

Please contact to Hanwha for more tool options

Stroke	X1	Y1	Z1	Z2	X2
20N/20Ne/35Ne	62 mm	340 mm	60 mm	210 mm	306 mm
32N/35N/38N	80 mm	410 mm	70 mm	320 mm	395 mm

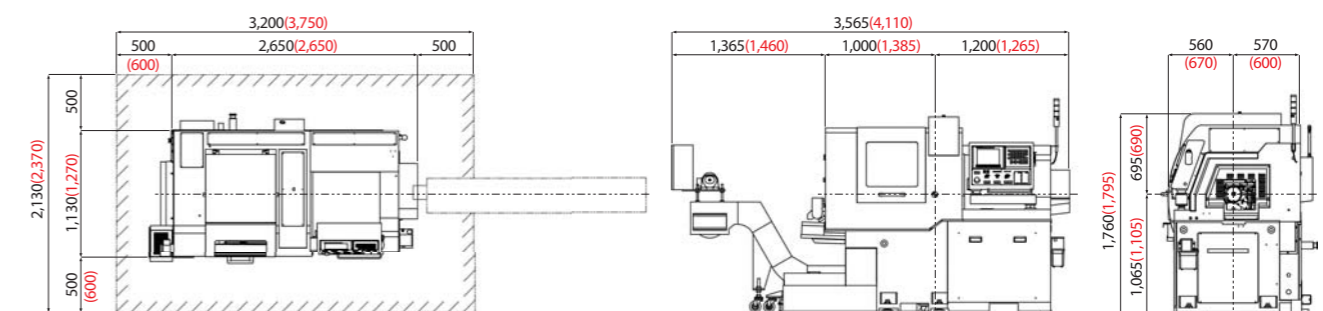
## SPECIFICATION

MODEL	XD20N	XD20Ne	XD35Ne	XD32N	XD35N	XD38N
NC	HANWHA FANUC i					
Max Turning Ø in Main	Ø20 mm	Ø35 mm	Ø32 mm	Ø35 mm	Ø38 mm	
Max Chucking Ø in Sub	Ø20 mm	Ø35 mm	Ø32 mm	Ø35 mm	Ø35 mm	
(Z1) Stroke	None GB	60 mm		70 mm		
	Rotary GB	-	-	-	-	-
Tool	OD TOOL	6 EA [□ 12]	5 EA [□ 16]	5 EA [□ 16]		
	CROSS TOOL	4 EA [ER16]	4 EA [ER16]	4 EA [ER16]		
	FRONT TOOL	5 EA [ER16]	4 EA [ER16]	5 EA [ER20M]		
	BACK TOOL	4 EA [H type]	4 EA [J type]	4 EA [H type]		
	OFF CENTER TOOL	2 EA [ER16]	1 EA [ER16]	2 EA [ER16]		
Front Tool	Max Drilling Ø	Ø10 mm	Ø10 mm	Ø13 mm		
	Max Tapping M	M8	M8	M12 x P1.75		
Cross Tool	Max Drilling Ø	Ø10 mm [ER16]	Ø10 mm [ER16]	Ø10 mm		
	Max Tapping M	M6 [ER16]	M6 [ER16]	M8		
	Max Slotting	Width 1.5 mm X Depth 4.0 mm				
Back Tool	Max Drilling (Fix)	Ø10 mm [ER16]	Ø10 mm [ER16]	Ø10 mm [ER16]		
	Max Drilling (Driven)	Ø8 mm [ER16]	-	Ø8 mm [ER16]		
	Max Tapping (Fix)	M8 [ER16]	M8 [ER16]	M8 [ER16]		
	Max Tapping (Driven)	M6 [ER16]	-	M6 [ER16]		
Main Spindle Motor	rpm	10,000rpm	8,000rpm	8,000rpm		
	power	2.2/3.7 Kw	2.2/5.5 Kw	5.5/7.5 Kw		
Sub Spindle Motor	rpm	8,000rpm	8,000rpm	7,000rpm		
	power	1.5/2.2 Kw	1.5/2.2 Kw	2.2/5.5 Kw		
Cross Tool Motor	rpm	6,000rpm	5,000rpm	6,000rpm		
	power	1 Kw	1 Kw	1 Kw		
Back Tool Motor	rpm	6,000 rpm	-	6,000 rpm		
	power	1 Kw	-	1 Kw		
Off Center Tool Motor	rpm	-	-	6,000 rpm		
	power	-	-	1 Kw		
Coolant Tank (Liter)	170 Liter	170 Liter	190 Liter			
Machine Weight	2,650kg	2,750kg	4,000kg			
Power Consumption (Cable Size)	15 KVA (Min 4 SQ)	15 KVA (Min 4 SQ)	20 KVA (Min 6 SQ)			
Air Flow Rate	120~150 Liter / Min	120~150 Liter / Min	60~75 Liter / Min			

All specifications are subject to change without notice

## DIMENSIONS

(Unit : mm)



The measurements above are applicable for XD20N/20Ne/35Ne, 32N/35N/38N are identical with XD32H  
( ):XD32N / 35N / 38N

## STANDARD

- FULL C - AXIS CONTROL ON MAIN
- FULL C - AXIS CONTROL ON SUB
- DOOR INTERLOCK
- SIGNAL LAMP(3 COLOR)
- MPG
- PART CONVEYOR (XD32N/35N/38N)

## OPTION

- PART CONVEYOR (XD20N/20Ne/XD35Ne)
- CHIP CONVEYOR
- CUT-OFF TOOL BREAKAGE DETECTOR(H/W)
- CUT-OFF TOOL BREAKAGE DETECTOR(S/W)
- TAP BREAKAGE DETECTOR
- M CODE AIR BLOW
- PIPE TYPE EJECTION UNIT
- ADDITIONAL 1 PIPE SET FOR EJECTION UNIT
- SPARE M CODE KIT
- TRANSFORMER
- NC WARRANTY FOR 2 YEARS
- BARFEEDER
- 4 DRIVEN BACKTOOL