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Experience Your **SMART FACTORY**

Hanwha Machine Tool

CNC Swiss Turning Lathe



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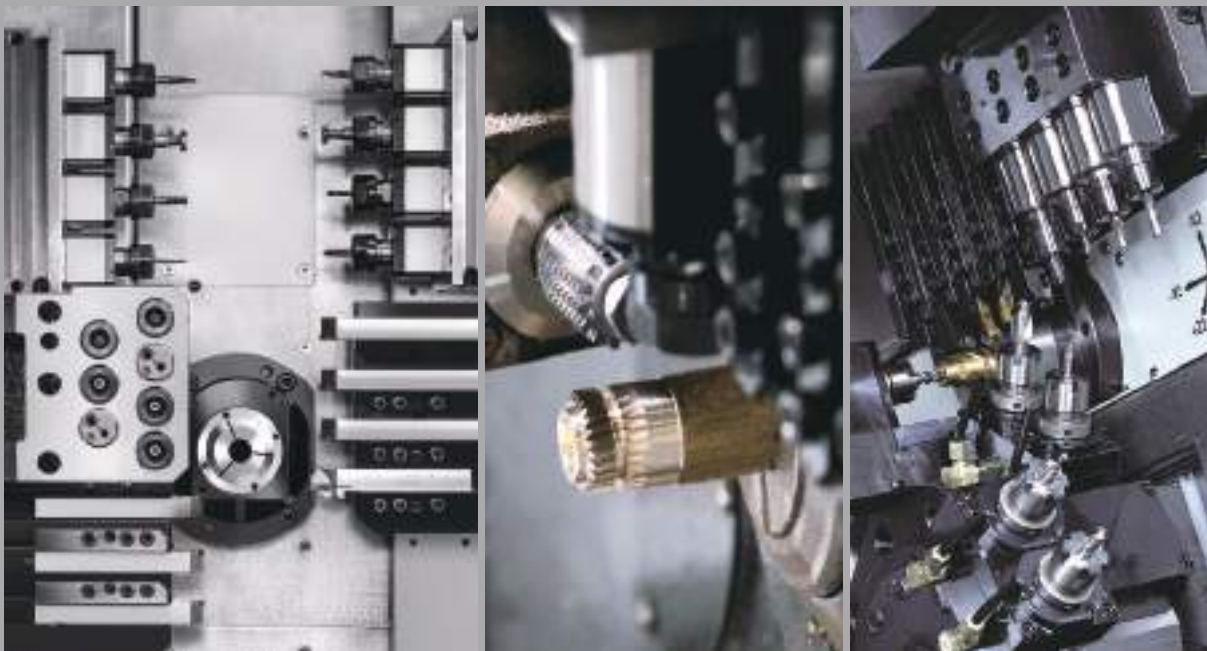
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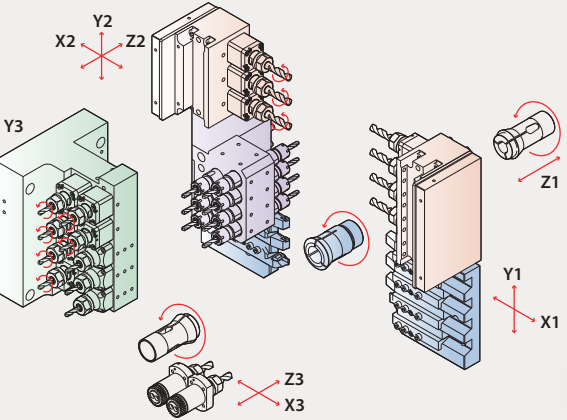
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XDI 26/32

3-path 9 axis independent opposite gang tool machine
for high productivity & flexible machining



Model		XDI 26	XDI 32
NC		Fanuc – 31iB	
Max. machining diameter (mm)		Ø26	Ø32
Z1 Stroke / NH (mm)		350 (H), 100 (N)	
Main spindle	Speed (rpm)	8,000	6,500
	Motor (kW)	2.2 / 5.5	
Turning tool	No. of tools	□ 16mm x 7 (4 + 3)	
	No. of tools	ER16M x 4 (Front 4 / Rear 7)	
Cross drill	No. of tools	ER16 x 7 (4 + 3)	
	Speed (rpm)	6,000	
	Motor (kW)	1.0	2.2
B-axis cross (op.)	No. of tools	ER16 x 4 (Front 4 / Rear 4)	
	Speed (rpm)	6,000	
	Motor (kW)	1.0	
Sub spindle	Speed (rpm)	8,000	6,500
	Motor (kW)	2.2 / 5.5	
Back tool	No. of tools	ER16 x 9 (Fixed 3 + Driven 6) (Option : Driven 6 + Cross 3 + Turning 2)	
	Speed (rpm)	6,000	
	Motor (kW)	1.0	
Machine size (L x W x H) (mm)		2,910 x 1,710 x 2,010	
Weight (kg)		6,300	
Power consumption (Cable size)		34.7 KVA, 28.8 KW (VCTF16SQ x 4C)	37.4 KVA, 31.2 KW (VCTF16SQ x 4C)
Air flow rate (Liter/Min)		120 ~ 150	

VARIOUS SIMULTANEOUS MACHINING

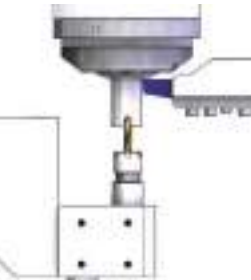
Reduced cutting time by simultaneous machining capacity with
balance turning, drilling and milling



Balance turning



Balance drilling & Milling

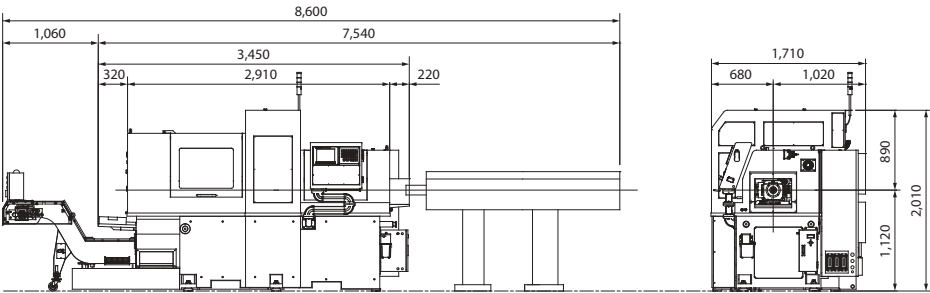


Simultaneous machining
(Turning & Front drilling)



Pre-position of the next tool

DIMENSION



Option Tooling

Providing variable option tools for the flexible machining

Cross Drilling / Milling Unit

- Cross drill / Double-hinged B-axis tool

Option Specification

- 4 cross drill (ER16, 1kW or 2.2 kW)
- The same cross modular with XD38II



1 kW



2.2 kW

- Double-hinged B-axis tool (ER16x8, Front 4/Back 4)
- Motor power : 1.0 kW
- Swivel angle : -40°~+100°



Back Tool Unit

- Y3-axis 9 back tool / Y3-axis back tool cross

Option Specification

- Standard 9 back tool
- 6 Driven/3 Fixed Modular (ER16)
- Motor power : 1.0 kW
- The same back tool modular with XD38II
- Whole gear driven system



- Option Y3-axis back tool cross
- 6 Back(Driven) /3 Cross Modular (ER16)
- Motor power : 1.0 kW
- The same back tool modular with XD38II
- Whole gear driven system



Sub Off-center & Gun Drill Unit

- 2 off-center drills / 2 gun drills

Option Specification

- 2 off-center dill modular (ER16)
- Motor power : 2.2/5.5 kW
- The same off-center drill modular with XD26II-V



- 2 gun drill (ER16)
- Max. drill length 190 mm



Standard

- Main · Sub Cs control (0.001°)
- Rotary Guide bush holder
- Cross drilling · milling unit
- 2 MPG
- Door interlock
- Coolant flow sensor
- Work light
- Signal lamp (3color)
- LAN port
- Tool monitoring function
- Cut off detector (S/W)
- Super imposed control
- Auto power off
- Bar feeder interface
- Part conveyor

Option

- Bar feeder
- Chip conveyor
- Extended coolant tank
- Transformer
- Tap breakage detector
- Pipe type ejection unit
- B-axis cross drill unit(4)
- Off-center drill unit(2)
- Gun drill unit(2)
- Cross turning back tool post
- Middle / High pressure pump
- Oil mist collector
- Oil chiller
- Memory card
- Tooling & Programming
- Additional M-code
- Helical interpolation
- 3 dimension conversion
- NC warranty for 2 years

XD42

Specialized 5/6-axis for larger dia. machining (42mm)



- OPTION**
- Off-center drill 1 (Driven)
 - Back tool 4 ~ 6, Y2 back tool post 6 ~ 8

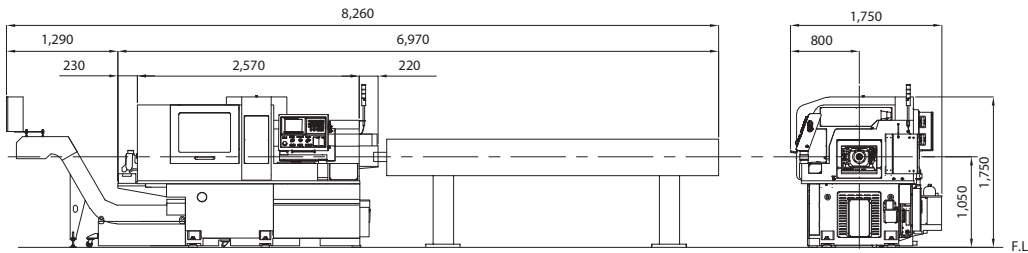
Model		XD42		
		H	NH	N
NC		Hanwha Fanuc-i		
Max. machining diameter (mm)		Ø42		
Z1 Stroke (mm)		320	207 (H), 100 (N)	100
Main spindle	Speed (rpm)	6,000		
	Motor (kW)	5.5/7.5		
OD tool	No. of tools	5 (□20mm)		
Front tool	No. of tools	5 (ER20M, Ø32)		
Cross drill	No. of tools	4 (ER20M)		
	Speed (rpm)	6,000		
	Motor (kW)	2.2		
Off-center drill (Option)	No. of tools	1 (ER20M)		
	type	Gear drive (Modular type drill)		
Sub spindle	Speed (rpm)	6,000		
	Motor (kW)	2.2/5.5		
Back tool	No. of tools	5 (ER20M) (3 Fixed + 2 Driven)		
	Speed (rpm)	6,000		
	Motor (kW)	1.0		
Machine size (L x W x H) (mm)		2,570 x 1,750 x 1,750		
Weight (kg)		4,100		
Power consumption (Cable size)		25kVA, 16.7kW (VCTF 16SQ x 4C)		
Air flow rate (Liter/Min)		120 ~ 150		



- Strong machining performance & high-productivity for large bore material
- Strong chucking force with hydraulic cylinder
- Improved bearing system for accuracy
- High rigidity of feed unit (Adopted linear roller guide)

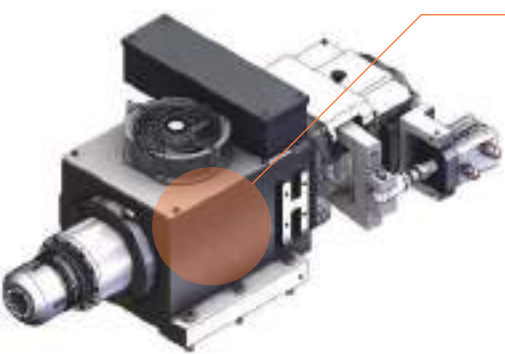
* H : G/B, N : Non-G/B, NH : Convertible G/B

Dimension



Option Tooling

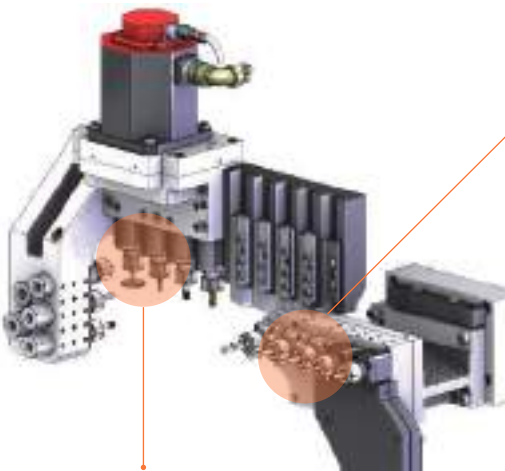
Offers various and flexible toolings for enhancing productivity and covering a variety of customer's needs



Spindle Unit

- Adopted built-in motor, hydraulic chucking cylinder & 3 toggle system for strong chucking power for Ø42mm material

Specification
6,000rpm
5.5/7.5kW (20 ~ 49Nm)

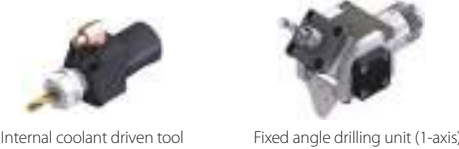


Back Tool Unit

- A total of 8 tools with Y2-axis and modular type for easy tool change / maintenance

Specification
6,000rpm, 1.0kW (3 ~ 7.5Nm)
5 tools (ER20M)

Option tool



Cross Drilling / Milling Unit

- Powerful cross machining with upper size of tools and the best-in-class motor
- Cross unit with gear modular type as standard for various tooling and easy tool change / maintenance

Specification
6,000rpm, 2.2kW (8 ~ 22Nm)
4 tools (ER20M)

Selectable modules of back tool

Driven max.4



Standard

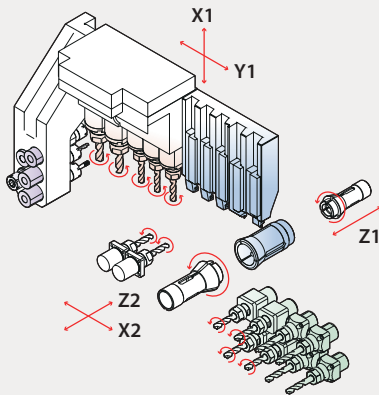
- Main · Sub Cs control (0.001°)
- Rotary Guide bush holder
- Cross drilling · milling unit (4, Gear modular type)
- MPG
- Part conveyor
- Door interlock
- Coolant flow sensor
- Work light
- Signal lamp (3color)
- LAN port
- Tool monitoring function
- Cut off tool breakage detector (S/W)
- Auto power off
- Bar feeder interface

Option

- Bar feeder
- Chip conveyor
- Transformer
- Tap breakage detector
- Pipe type ejection unit
- Off center drill unit (2)
- Middle / High pressure pump
- Oil mist collector
- Oil chiller
- Memory card
- Tooling & Programming
- Internal coolant driven tool (cross, back, off-center)
- 3 Face/counterface driven tool (cross)
- 3 Face/counterface angle driven tool (cross)
- Extended coolant tank
- NC warranty for 2 years

XD38II-R

The latest 5/6-axis, specialized in heavy duty cutting/ milling of max. dia. 38mm



- OPTION**
- Off-center drill 2 (Driven, Fixed)
 - Cross 6
 - Y2 back tool cross unit (Max. Cross 2)



Model		XD38II-R
		NH
NC		Fanuc 32i-B / Siemens 828D
Max. machining diameter (mm)		Ø38 (Option : Ø40)
Z1 Stroke (mm)		320 (H), 120 (N)
Main spindle	Speed (rpm)	6,500
	Motor (kW)	5.5/7.5 (Fanuc), 23 (Siemens)
OD tool	No. of tools	5 (□20mm x 2, □16mm x 3)
Front tool	No. of tools	5 (ER20M, Ø32)
Cross drill	No. of tools	5 (ER20 x 2, ER16 x 3)
	Speed (rpm)	6,000
Off-center drill (Option)	Motor (kW)	2.2 (Fanuc), 2.13 (Siemens)
	No. of tools	2 (ER16) Modular
Sub spindle	Speed (rpm)	6,500
	Motor (kW)	2.2/5.5 (Fanuc), 23 (Siemens)
Back tool	No. of tools	8 (ER16) (4 Fixed + 4 Driven)
	Speed (rpm)	6,000
	Motor (kW)	1.0 (Fanuc), 1.02 (Siemens)
	Machine size (L x W x H) (mm)	2,650 x 1,600 x 1,790
Weight (kg)		4,600
Power consumption (Cable size)		25kVA (Siemens : 40kVA), 16.7kW (VCTF 16SQ x 4C)
Air flow rate (Liter/Min)		120 ~ 150

* NH : Convertible G/B

Specification of G/B & Chuck

Model	XD38II-R	XD38II		
NC	Fanuc / Siemens	Fanuc	Siemens (※ Production stop)	
Type	NH	H/N/NH/He	H	N/NH
Guide bush	BRA-42	TD38	BRA-42	
Main chuck	TF48	TF44	TF48	TF44
Sub chuck	TF48	TF44	TF48	

- Enhanced machining performance with optimized structure/ layout & widened distance between tools
- Easy switching between G/B & Non G/B and enhanced stroke, rigidity and chip disposal
- Flexible material feeding solution (bar feeder, automation unit and robot)

Optimized Structure & Spec for Ø38mm

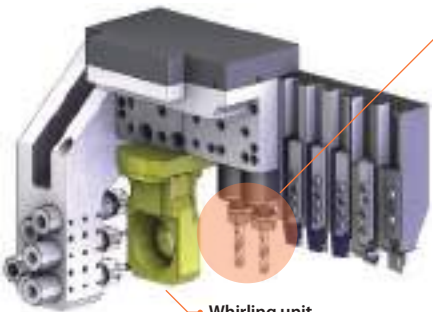
Possible to machine max. Ø40mm (Option)

Stroke

- Extended stroke to cover various & flexible processing
 - Widened distance between tools
 - Upper size of tools
 - Extended stroke of Z1 for convertible type of G/B (G/B : 205mm → 320mm, Non-G/B : 80mm → 120mm)

Z1	X1	Y1	Z2	X2	Y2
320 (G/B) 120 (Non-G/B)	80	467 (+55*)	350 (+70*)	450 (+55*)	67.7

* : increased stroke compared to XD38II



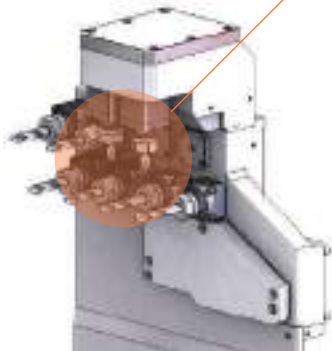
Whirling unit
※ Other various option units are available

Cross Drilling / Milling Unit

- Powerful cross machining
 - Adopted the best-in-class motor (Capacity : Fanuc 2.2kW, Siemens 2.13kW)
- Gear driven modular
 - Gear modular type as standard for various tooling and easy tool change / maintenance

Specification

6,000rpm, 2.2kW(Fanuc), 2.13kW(Siemens)
5 tools (ER20 x 2, ER16 x 3)



Back Tool Unit

- Optimized structure for machining large bore material
- Extended tooling layout (Distance between tools : 52mm)
- Various option toolings are available
- Less chip trouble structure

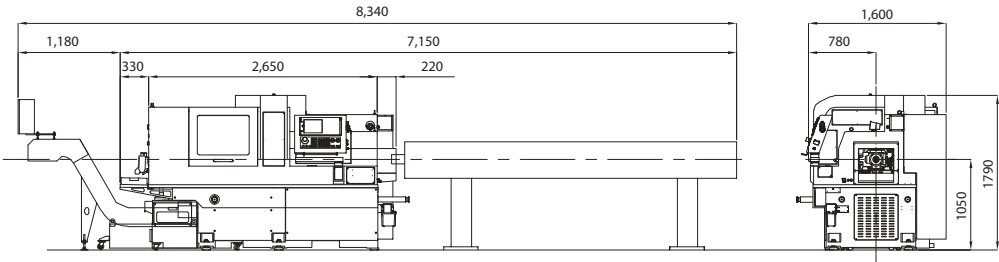
Specification

6,000rpm, 1.0kW(Fanuc), 1.02kW(Siemens)
8 tools (4 Driven + 4 Fixed)

Option tool



Dimension



Standard

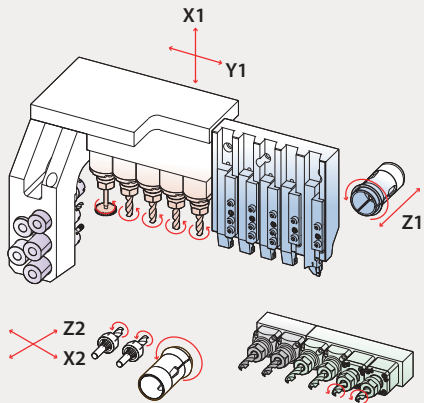
- Main · Sub Cs control (0.001°)
- Rotary Guide bush holder
- Cross drilling · milling unit (5, Gear modular type)
- MPG
- Part conveyor
- Door interlock
- Coolant flow sensor
- Work light
- Signal lamp (3color)
- LAN port
- Tool monitoring function
- Cut off tool breakage detector (S/W)
- Auto power off
- Bar feeder interface

Option

- Bar feeder
- Chip conveyor
- Right-way part conveyor
- Transformer
- Tap breakage detector
- Pipe type ejection unit
- Off center drill unit (2)
- Middle / High pressure pump
- Oil mist collector
- Oil chiller
- Memory card
- Tooling & Programming
- Internal coolant driven tool (cross, back, off-center)
- 3 Face/counterface driven tool (cross)
- 3 Face/counterface angle driven tool (cross)
- Extended coolant tank
- NC warranty for 2 years

XD38II

Specialized 5/6/7-axis model for heavy duty cutting / milling



- OPTION**
- Off-center drill 2 (Driven, Fixed)
 - Cross 6
 - B-axis tool post 6 (Front 3 + Back 3)
 - Back tool 4 ~ 6
 - Y2 back tool cross unit (Max. Cross 2)

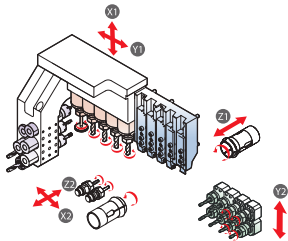


Model		XD32/38II			
		H	N	NH	He
NC		Fanuc 32i-B			Hanwha Fanuc-i
Max. machining diameter (mm)		Ø32/38			
Z1 Stroke (mm)		320	80	142 (H), 80 (N)	320
Main spindle	Speed (rpm)	6,500			
	Motor (kW)	5.5/7.5			
OD tool	No. of tools	5 (□16mm)			
Front tool	No. of tools	5 (ER20M, Ø32)			
Cross drill	No. of tools	5 (ER16)			
	Speed (rpm)	6,000			
	Motor (kW)	2.2			
Off-center drill (Option)	No. of tools	2 (ER16) Modular			2 (ER16) Non-modular
	type	Motor drive (6,000rpm, 1.0kW)			Gear drive
Sub spindle	Speed (rpm)	6,500 (Built-in motor)			6,500 (Spindle motor)
	Motor (kW)	2.2/5.5			1.1/3.7
Back tool	No. of tools	6 (ER16) (4 Fixed + 2 Driven)			4 (ER16) (2 Fixed + 2 Driven)
	Speed (rpm)	6,000			
	Motor (kW)	1.0			
Machine size (L x W x H) (mm)		2,570 x 1,440 x 1,740			
Weight (kg)		3,600			
Power consumption (Cable size)		25kVA, 16.7kW (VCTF 16SQ x 4C)			
Air flow rate (Liter/Min)		120 ~ 150			

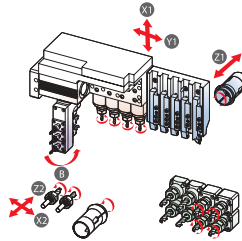
* **H** : G/B, **N** : Non-G/B, **NH** : Convertible G/B, **He** : Hanwha Fanuc-i NC (with G/B)

TOOLING VARIATION

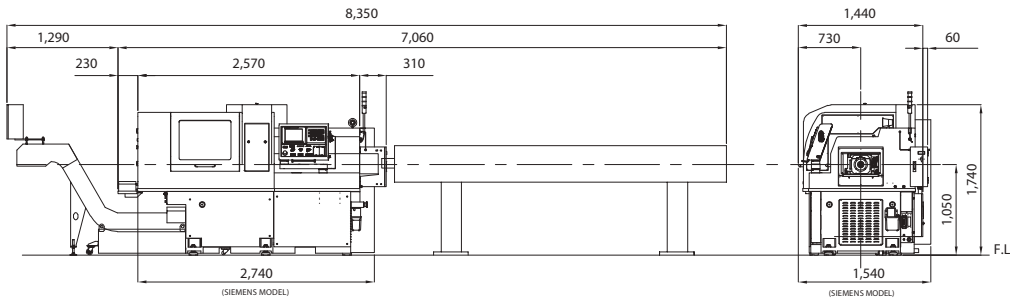
- Y2 Back tool 8 (Driven max. 8)
- Off-center drill (Driven) 2



- B-axis tool post 6 (Front 3 + Back 3)

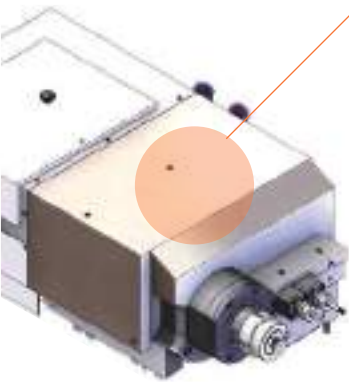


Dimension



Option Tooling

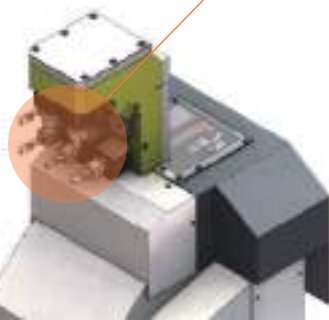
Various tooling options & sub-spindle type are offered for high-quality performance depending on product & machining condition



Sub Spindle Unit

- Built-in motor for powerful cutting and spindle motor for high productivity are both available
- ※ Choose a right type of motor to generate the best performance depending on processing material and condition

Sub spindle			Spec
Max. machining diameter			Ø38 mm
Rotating speed			6,500 rpm
Motor spec	Built-in motor	Fanuc 32i-B	2.2/5.5kW, 20/49Nm
	Spindle motor	Hanwha Fanuc-i	1.1/3.7kW, 7/28Nm



Back Tool Unit

- A total of 8 tools with Y2-axis and modular type for easy tool change / maintenance

Option unit

Attachable fixed drill unit
Off-center can be available with 1 drill unit



Option tool



Selectable modules of back tool
Driven max. 4



Standard

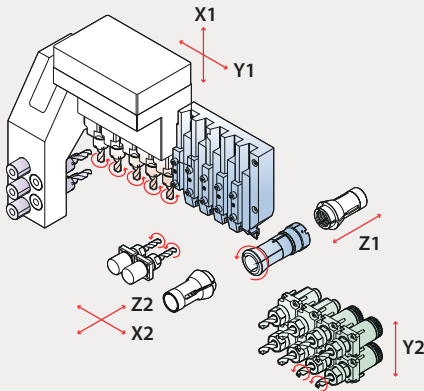
- Main-Sub Cs control (0.001°)
- Rotary Guide bush holder
- Cross drilling · milling unit (5, Gear modular type)
- MPG
- Part conveyor
- Door interlock
- Coolant flow sensor
- Work light
- Signal lamp (3color)
- LAN port
- Tool monitoring function
- Cut off tool breakage detector (S/W)
- Auto power off
- Bar feeder interface

Option

- Bar feeder
- Chip conveyor
- Transformer
- Tap breakage detector
- Pipe type ejection unit
- Off center drill unit (2)
- Middle / High pressure pump
- Oil mist collector
- Oil chiller
- Memory card
- Tooling & Programming
- Internal coolant driven tool (cross, back, off-center)
- 3 Face/counterface driven tool (cross)
- 3 Face/counterface angle driven tool (cross)
- Extended coolant tank
- NC warranty for 2 years

XD20/26II-V

Multi-functional with B and Y2-axis



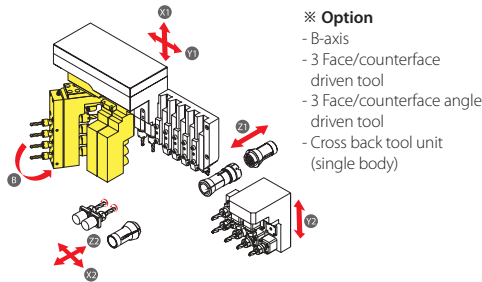
- OPTION**
- Off-center drill 2 (Driven, Fixed)
 - B-axis tool post 8 (Front 4 + Back 4)
 - Y2 back tool cross unit (Max. Cross 2)



Model		XD20/26II-V		
		H	N	NH
NC		Fanuc 32i-B / Siemens 828D (B-axis 840D)		
Max. machining diameter (mm)		Ø20/26		
Z1 Stroke (mm)		210	50	210 (H), 50 (N)
Main spindle	Speed (rpm)	10,000 (Ø20), 8,000 (Ø26)		
	Motor (kW)	Fanuc : 2.2/3.7 (Ø20), 2.2/5.5 (Ø26) Siemens : 14.4		
OD tool	No. of tools	6 (□12mm) (Ø20), 5 (□16mm) (Ø26)		
Front tool	No. of tools	5 (ER16M, Ø25)		
	No. of tools	5 (ER16 (Ø20), ER16M (Ø26))		
Cross drill	Speed (rpm)	6,000		
	Motor (kW)	1.0 (Fanuc), 1.02 (Siemens)		
Off-center drill (Option)	No. of tools	2 (ER16) Modular		
Sub spindle	Speed (rpm)	8,000		
	Motor (kW)	2.2/3.7 (Fanuc), 14.4 (Siemens)		
Back tool	No. of tools	8 (ER16) (4 Fixed + 4 Drvien)		
	Speed (rpm)	6,000		
	Motor (kW)	1.0 (Fanuc), 1.02 (Siemens)		
Machine size (L x W x H) (mm)		2,460 x 1,380 x 1,730		
Weight (kg)		2,900		
Power consumption (Cable size)		15kVA, 10kW (VCTF 10SQ x 4C)		
Air flow rate (Liter/Min)		120 ~ 150		

* H : G/B, N : Non-G/B, NH : Convertible G/B

OPTION TOOLING



- Ultimate tooling capability adopting B-axis and Y2-axis
- Minimized thermal deformation with cooling system for Cross drilling/milling unit
- Adopted powerful built-in motor for main/sub spindle (2.2/3.7kW(Fanuc), 14.4kW(Siemens))

Option Tooling

Complex & productive machining for multi shape parts with B-axis cross and Y2-axis back tooling

Cross Drilling / Milling Unit

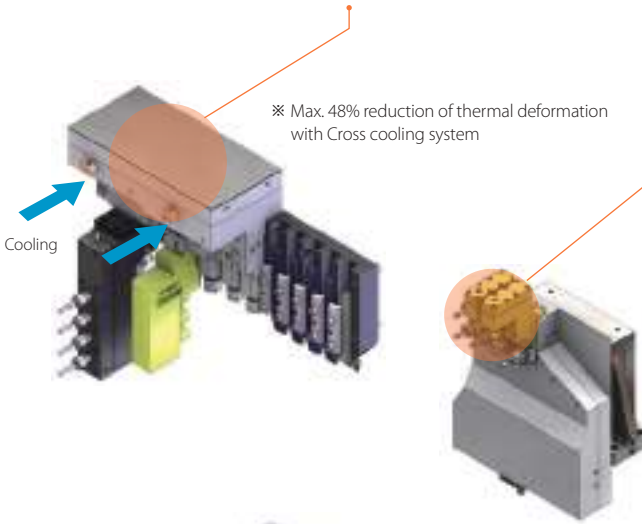
- Cross unit with gear modular type for various tooling and easy tool change / maintenance
- ※ Various option tool unit : Triple speed rotating drill, Internal coolant driven tool, 3 Face / counterface driven tool, 3 Face / counterface angle driven tool



Cross unit 5
- OD 6 (□12),
Cross 5 (ER16),
Front 5 (ER16M)
※ for XD20II-V



B-axis Cross unit
- OD 6 (□12),
Cross 4 (ER16),
B-axis 4 (ER16x4, ER11x4)
※ for XD20II-V



Back Tool Unit

- Y2-axis tool post offering flexible & various tooling on Back
- Stable machining with enhanced structure & powerful motor

Option tool



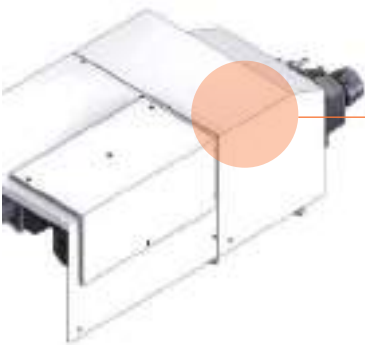
Internal coolant driven tool



Back tool cross unit (Single body)



Back tool cross unit (Modular)

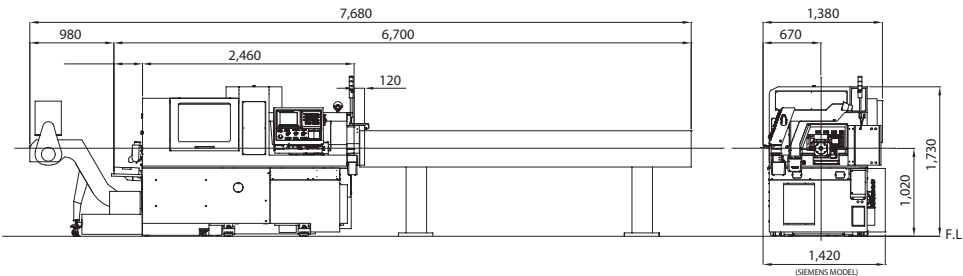


Sub Spindle & Off-Center Unit

- Adopted built-in motor to sub spindle for precision machining
- ※ Off-center drill (Driven, Fixed) 2 is available

Feature		Value
Sub spindle unit	Max. machining diameter	Ø20/26 mm
	Rotation speed	8,000 rpm
	Motor	2.2/3.7 kW (Fanuc) 14/4 kW (Siemens)
Off-center drill unit (Option)	Drill	2 (ER16)
	Type	Gear modular

Dimension



Standard

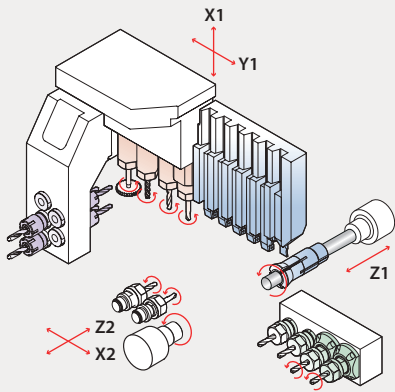
- Main · Sub Cs control (0.001°)
- Rotary Guide bush holder
- Cross drilling · milling unit (5, Gear modular type)
- MPG
- Part conveyor
- Door interlock
- Coolant flow sensor
- Work light
- Signal lamp (3color)
- LAN port
- Tool monitoring function
- Cut off tool breakage detector (S/W)
- Auto power off
- Bar feeder interface

Option

- Bar feeder
- Chip conveyor
- Transformer
- Tap breakage detector
- Pipe type ejection unit
- Off center drill unit (2)
- Middle / High pressure pump
- Oil mist collector
- Oil chiller
- Memory card
- Tooling & Programming
- Internal coolant driven tool (cross, back, off-center)
- 3 Face/counterface driven tool (cross)
- 3 Face/counterface angle driven tool (cross)
- Extended coolant tank
- NC warranty for 2 years

XD20/26II

The best selling 5-axis for max. dia. 20/26mm



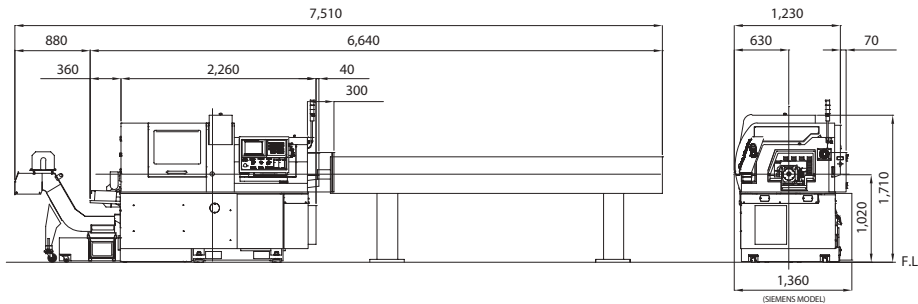
- OPTION**
- Off-center drill 2 (Driven, Fixed)
 - Cross drill 5 ~ 6
 - Back tool 5 ~ 6



Model		XD20/26II			
		H	N	NH	M
NC		Fanuc 32i-B / Siemens 828D			
Max. machining diameter (mm)		Ø20/Ø26			
Z1 Stroke (mm)		210 (Fanuc), 240 (Siemens)	60mm	160 (H), 50 (N)	210
Main spindle	Speed (rpm)	10,000 (Ø20), 8,000 (Ø26)			
	Motor (kW)	Fanuc : 2.2/3.7 (Ø20), 2.2/5.5 (Ø26) Siemens : 14.4			
OD tool	No. of tools	6 (□12mm) (Ø20), 5 (□16mm) (Ø26)			5 (□12mm)
Front tool	No. of tools	5 (ER16M, Ø25)			
Cross drill	No. of tools	4 (ER16 (Ø20), ER16M (Ø26))			5 (ER16M)
	Speed (rpm)	6,000			
	Motor (kW)	Fanuc : 1.0, Siemens : 1.02			
Off-center drill (Option)	No. of tools	2 (ER16) Driven			2 (ER16M) Fixed long drill
Sub spindle	Speed (rpm)	8,000			
	Motor (kW)	Fanuc : 1.5/2.2, Siemens : 2.59			
Back tool	No. of tools	4 (ER16) (2 Fixed + 2 Driven)			
	Speed (rpm)	6,000			
	Motor (kW)	Fanuc : 1.0, Siemens : 1.02			
Machine size (L x W x H) (mm)		2,260 x 1,230 x 1,710			
Weight (kg)		2,700			
Power consumption (Cable size)		15kVA, 10kW (VCTF 105Q x 4C)			
Air flow rate (Liter/Min)		120 ~ 150			

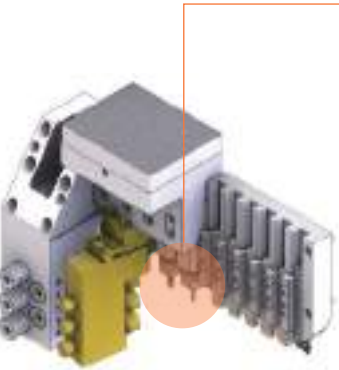
* **H** : G/B, **N** : Non-G/B, **NH** : Convertible G/B, **M** : Cross 5-axis+Long drills

Dimension



Option Tooling

Offers various and flexible toolings for enhancing productivity and covering a variety of customer's needs



Option Tool Layout

Cross unit 4 (standard)
- OD 6 (□12),
Cross 4 (ER16),
Front 5 (ER16M)

Cross unit 5
- OD 5 (□16),
Cross 5 (ER16M),
Front 3 (ER16M)

Cross unit 6
- OD 6 (□16 x 1, □11 x 5),
Cross 6 (ER11M x 2, ER16 x 4)



Off-Center Unit

- Sub spindle unit provides 2 driven drills or 2 fixed long drills for deep hole machining (option)

Option tool



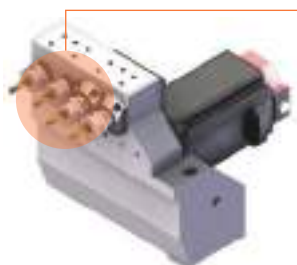
Long drill



Internal coolant driven tool



Tailstock



Back Tool Unit

- A total of 6 tools as an option and modular type for easy tool change / maintenance

Option unit



Attachable fixed drill unit

Option tool



Internal coolant driven tool



Back and cross tool



Burr removal

Selectable modules of back tool

Driven max. 4



4 tools



5 tools



6 tools

※ Unable to use Off-center for 5 ~ 6 tools

Standard

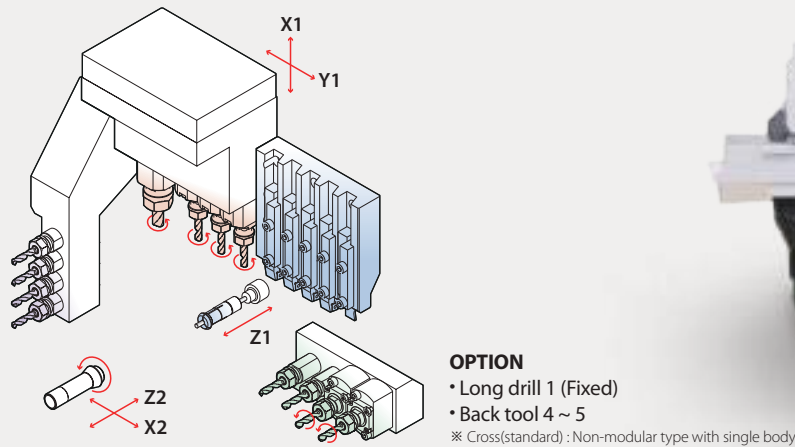
- Main-Sub Cs control (0.001°)
- Rotary Guide bush holder
- Cross drilling · milling unit (4, Gear modular type)
- MPG
- Part conveyor
- Door interlock
- Coolant flow sensor
- Work light
- Signal lamp (3color)
- LAN port
- Tool monitoring function
- Cut off tool breakage detector (S/W)
- Auto power off
- Bar feeder interface

Option

- Bar feeder
- Chip conveyor
- Transformer
- Tap breakage detector
- Pipe type ejection unit
- Off center drill unit (2)
- Middle / High pressure pump
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- Oil chiller
- Memory card
- Tooling & Programming
- Internal coolant driven tool (cross, back, off-center)
- 3 Face/counterface driven tool (cross)
- 3 Face/counterface angle driven tool (cross)
- Extended coolant tank
- NC warranty for 2 years

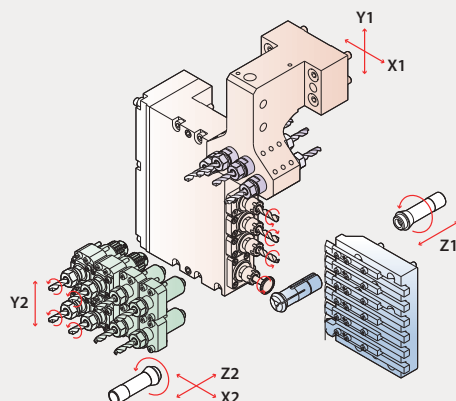
XD16III

High-speed 5-axis solution for max. dia. 16mm



XD10

High productivity & precision 5/6-axis solution for max. dia. 10mm

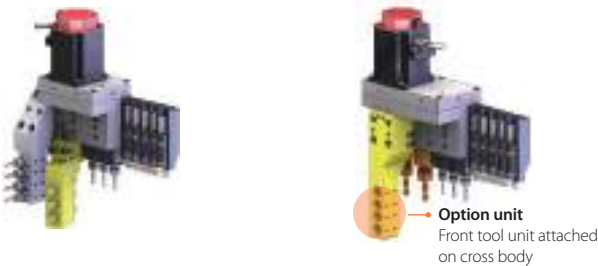


Model		XD16III	
		H	J
NC		Hanwha Fanuc-i	
Max. machining diameter (mm)		Ø16	
Z1 Stroke (mm)		155	
Main spindle	Speed (rpm)	15,000	
	Motor (kW)	2.2/3.7	
OD tool	No. of tools	5 (□12mm)	
Front tool	No. of tools	4 (ER11, Ø20)	
Cross drill	No. of tools	4 (ER11 x 3 + ER16 x 1)	
	Speed (rpm)	6,000(ER16), 9,000(ER11)	
	Motor (kW)	1.0	
Long drill (Option)	No. of tools	1 (ER11) drilling depth : 76.5mm	
	No. of tools		
Sub spindle	Speed (rpm)	10,000	
	Motor (kW)	0.55/1.1	
Back tool	No. of tools	4 (ER11) (2 Fixed + 2 Driven)	4 (ER11) (4 Fixed)
	Speed (rpm)	9,000	-
	Motor (kW)	1.0	-
Machine size (L x W x H) (mm)		1,700 x 1,190 x 1,670	
Weight (kg)		2,200	
Power consumption (Cable size)		15kVA, 10kW (VCTF 10SQ x 4C)	
Air flow rate (Liter/Min)		120 ~ 150	

* H : G/B & Driven back tool(2), J : G/B & Fixed back tool

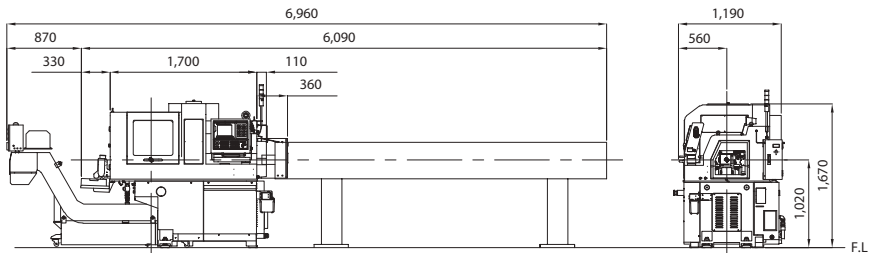
OPTION TOOLING

- Cross unit 4 (modular 1)**
- ER11 x 3, Modular ER16 x 1
※ Standard cross : Non-modular
- Cross unit 5 (modular 2)**
- ER11 x 3, Modular ER16 x 2



- Fast cycle time
- High speed of spindle (Main : 15,000 rpm, Sub : 10,000 rpm)
- Great machining performance with strong motor power for back tool (Capacity : 1.0 kW)

Dimension



Model	XD10	
	Hanwha Fanuc-i	
NC	Hanwha Fanuc-i	
Max. machining diameter (mm)	Ø10	
Z1 Stroke (mm)	155	
Main spindle	Speed (rpm)	15,000
	Motor (kW)	2.2/3.7
Turning tool	No. of tools	□8mm x 6
Front tool	No. of tools	ER11 x 4
	No. of tools	ER11M x 4 (Option: ER11M x 5)
Cross drill	Speed (rpm)	10,000
	Motor (kW)	0.55
Sub spindle	Speed (rpm)	10,000
	Motor (kW)	0.55 / 1.1
Back tool	No. of tools	ER11 x 8 (Y2: Fixed 4 + Driven 4) (Option: Fixed 2 + Driven 2)
	Speed (rpm)	9,000
	Motor (kW)	0.55
Machine size (L x W x H) (mm)	1,810 x 1,150 x 1,770	
Weight (kg)	2,200	
Power consumption (Cable size)	15kVA, 10kW (VCTF 10SQ x 4C)	
Air flow rate (Liter/Min)	120 ~ 150	

OPTION TOOLING

- Whirling Tool**
- ER11M x 2,
Modular Whirling x 1
- Cross unit 4 (modular 1)**
- ER11M x 3,
Modular ER11M x 1



- Back tool 8 (Driven max. 4)**
- ER11 x 8
- Back tool 4 (Driven max. 4)**
- ER11 x 4



Dimension

