



XDI20

3 Channels, 11 Axes Gang Type Machine



Innovative Tooling System
Y2 axis, various machining capability
(Balance Cutting)



Enhanced C/T and Productivity
Powerful built-in motors on main & sub spindle



Appropriate Mechanism for Precision Medical Parts

Innovative Tool Layout



- Opposed gang type tool post
- Synchronized control between main spindle and rotary guide bush unit by spindle motor
- Various special tools are available

Enhanced Durability



- Main and sub spindle built-in motor (2.2/3.7kw)
- Outer toggle clamping system for rigid toggle and ideal chucking
- Adopted air jacket and fan cooler to minimize heat deflection

Various Machining Capabilities



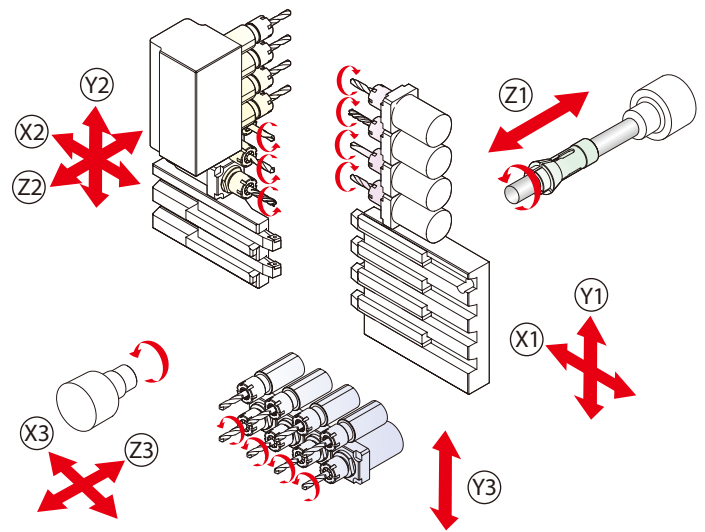
- Y2 axis(8EA, 4Driven/4Fixed)
- Ideal machine for manufacturing various parts utilizing simultaneous machining with 3 path controller

User Friendly System



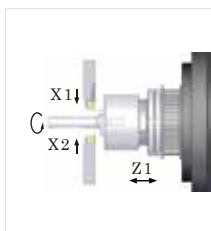
- Free-position OP Panel
- Crash prevent system
- Tool life control system
- Auto cut-off program
- Auto offset

TOOLING SYSTEM

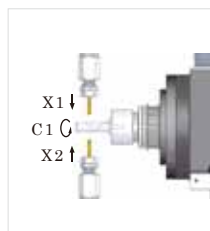


COMPLEX MACHINING

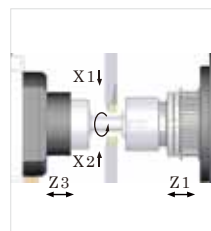
Balance Cutting&Milling



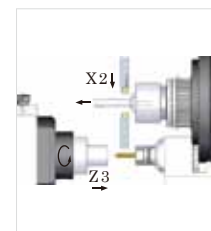
Cs Contouring Control



Synchronous Control



Simultaneous Machining



Composite Control



SPECIAL TOOL

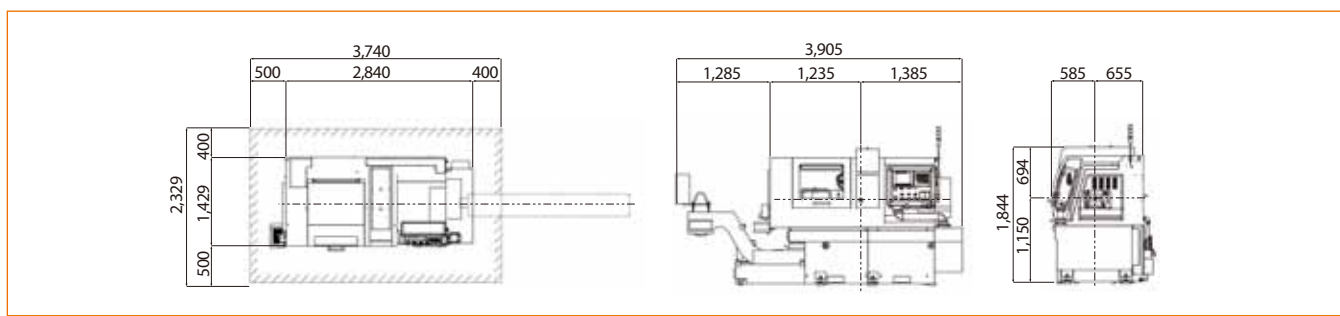
OFF-CENTER LIVE TOOL UNIT	SIDE CUTTER	WHIRLING HEAD	POLYGON TOOL	BACK TOOL CROSS DRILL
				
<ul style="list-style-type: none"> Max. Drilling ϕ : 10mm Max. rpm : 6,000 Angle : Left 15°/Right 84° Application(Cross Tool) : Off center drill 	<ul style="list-style-type: none"> Max. Cutter ϕ : 50mm Max. rpm : 6,000 Application(Back Tool) : Slotting 	<ul style="list-style-type: none"> Max. Whirling ϕ : 12mm Max. rpm : 6,000 Angle : Max. Left/Right 15° Application(Cross Tool) : Screw 	<ul style="list-style-type: none"> Max. Tool ϕ : 50mm Max. rpm : 6,000 Application(Cross Tool) : Polygon 	<ul style="list-style-type: none"> Max. Drilling ϕ : 10mm Max. rpm : 6,000 Angle : Max. Left/Right 15° Application(Back Tool) : Drilling/Milling/Tapping

SPECIFICATION

MODEL		XD120		
NC		FANUC 31i-A		
Max. Turning ϕ (Main)		ϕ 20		
No. of Tools	OD Tool	6EA		
	Front Tool	4EA		
	Cross Tool	7EA		
	Off Center Drill	-		
Motor	Main Spindle	rpm	8,000rpm	
		Power	2.2/3.7kW	
	Cross Drill	rpm	6,000rpm	
		Power	1.0kW	
Pump	Lubricant	Capacity	1.8L	
		Pump Motor	5w	
	Coolant	Capacity	180L	
		Pump Motor	0.4kW	
Weight		4,000kg		
Size(LxWxH)		2,840x1,429x1,844		
Power Consumption(Cable Size)		20kVA(Min 6 SQ)		
Air Flow Rate		120~150 Liter/Min		
SUB	No. of Tools	Back Tool	8EA(4Driven/4Fixed)	
	Motor	Sub Spindle	rpm	8,000rpm
			Power	2.2/3.7kW
	Back Tool	rpm	6,000rpm	
		Power	1.0kW	

All specifications are subject to change without notice.

DIMENSION



This product is a dual-use items of strategic goods and strictly prohibited from manufacturing illegal weapons. We are not responsible for any effects resulting from the illegal use.

201408

STANDARD

- FULL C AXIS CONTROL ON MAIN SPINDLE
- FULL C AXIS CONTROL ON SUB SPINDLE
- ROTARY GUIDE BUSH HOLDER UNIT
- CROSS DRILL/MILLING UNIT(7EA, Modular type)
- BACK TOOL(8EA, 4DRIVEN/4FIXED, Y2 AXIS)
- MPG
- DOOR INTERLOCK
- COOLANT FLOW SENSOR
- MIDDLE PRESSURE PUMP
- COOLANT UNIT
- LUBRICATION UNIT
- WORK LIGHT
- SIGNAL LAMP(3COLOR)
- LAN PORT
- TOOL MONITORING FUNCTION
- TOOL BOX
- DRILL HOLDERS
- BAR FEEDER INTERFACE

OPTION

- TRANSFORMER
- PART CONVEYOR
- CHIP CONVEYOR
- CUT OFF TOOL BREAKAGE DETECTOR(S/W)
- TAP BREAKAGE DETECTOR
- PIPE TYPE EJECTION UNIT
- ADDITIONAL 1 PIPE SET
- HIGH PRESSURE PUMP
- SPARE M CODE KIT
- OIL MIST COLLECTOR
- OIL CHILLER
- NC WARRANTY FOR 2 YEARS
- BAR FEEDER