

TAKISAWA[®]
TAIWAN

FX-800



**TWIN TURRET
TWIN SPINDLE
TURNING CENTER**

More



www.takisawa.com.tw

Taiwan TAKISAWA Technology Co., Ltd.

No.505, Sec. 3, Yenping Rd., Pingchen Dist.,
Taoyuan City 324, Taiwan.
TEL : +886-3-4643166 FAX : +886-3-4642614

No.89, Sec. 1, Meishi Rd., Yangmei Dist.,
Taoyuan City 326, Taiwan.
TEL : +886-3-4813119 FAX : +886-3-4813185
E-mail : callcenter@takisawa.com.tw

Shanghai TAKISAWA Mechatronics Ltd.

No.1568, Yuanguo Road, Anting Town, Jiading
District, Shanghai
TEL : +86-21-59562955 FAX : +86-21-59562956

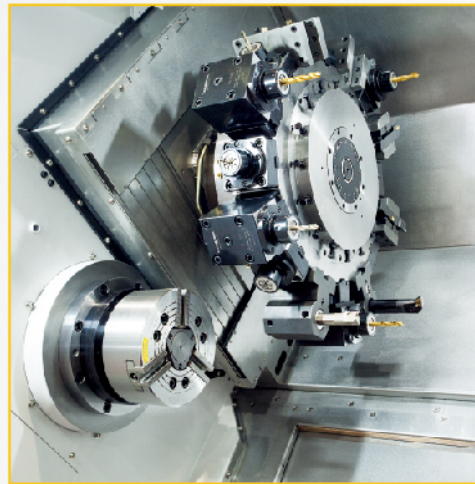
TAKISAWA[®]
TAIWAN

Distributor



FX-800

MULTI-PURPOSE MACHINE FOR PROCESS INTEGRATION AND HIGH PRODUCTIVITY



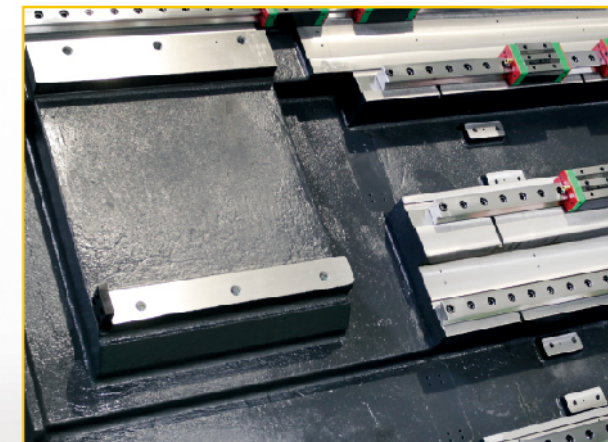
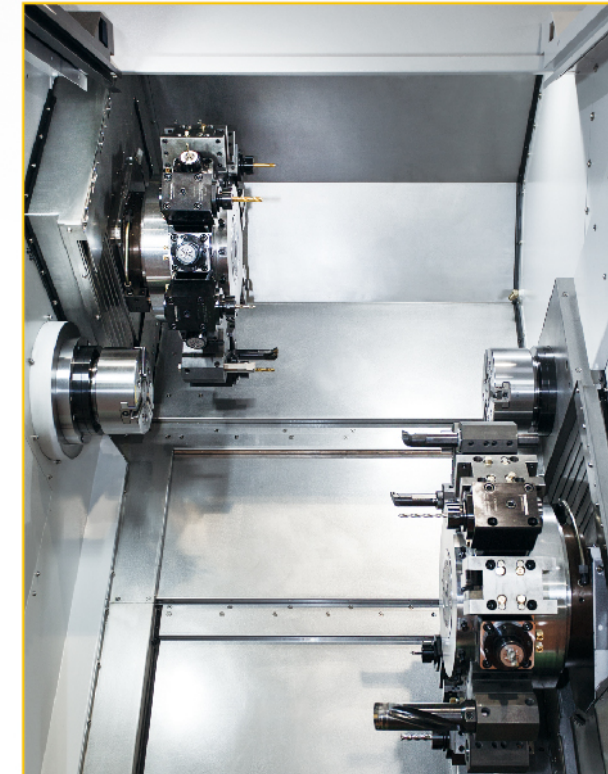
The FX-800 is designed for both easy operation and easy access for routine maintenance.

An upper T16 turret with Y axis coupled with a lower T16 turret allows great flexibility and speed for a wide variety of complex turning and milling applications making the FX-800 the perfect machine for short cycle times and high volumes.

Heavy duty twin turrets and highly rigid twin spindles with precise indexing greatly enhance machining accuracy.

Upper turret

15" Color LCD



The bed with superior rigidity



FX-800 Specifications

Max. turning length	657 mm
Max. turning diameter	260 mm
-Spindle/Sub spindle	
Max. bar work capacity	65/52 mm
-Spindle/Sub spindle	
Distance between two spindle faces	Max.1030/Min.300 mm
Spindle speed	4500/5000 rpm
-Spindle/Sub spindle	
Chuck size	8"/8"
-Spindle/Sub spindle	

※ Specifications are subject to change without notice.

**TWIN SPINDLE +
TWIN TURRET**

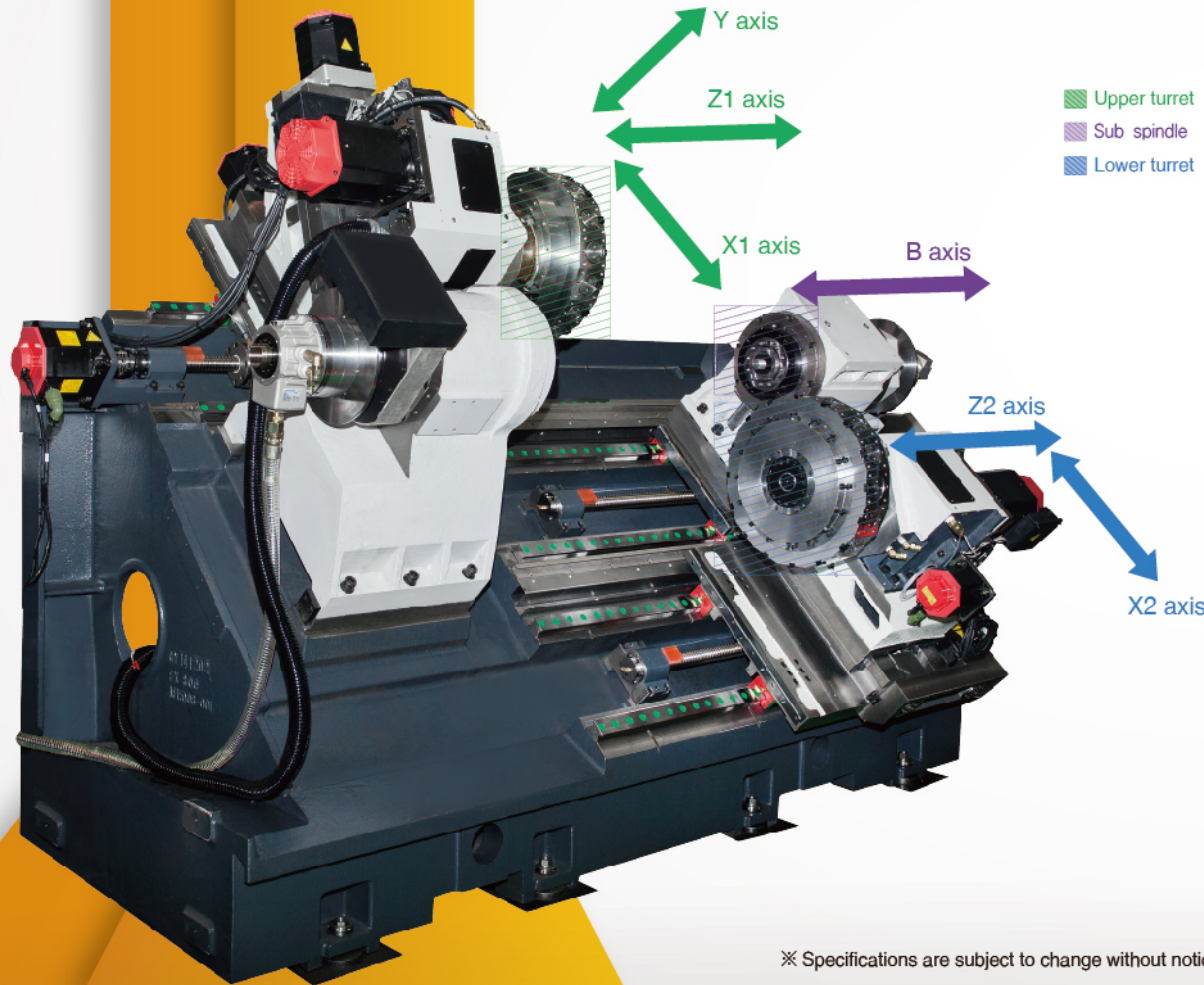


FX-800



Travel & Feedrate

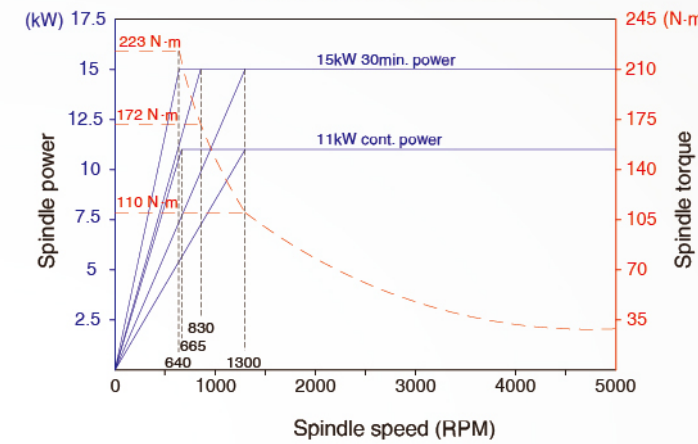
X1/X2 axis travel	215/215 mm
X1/X2 axis rapid traverse rate	20/20 m/min
Z1/Z2 axis travel	750/745 mm
Z1/Z2 axis rapid traverse rate	20/20 m/min
Y axis travel	±50 mm
Y axis rapid traverse rate	10 m/min
B axis travel	800 mm
B axis rapid traverse rate	20 m/min



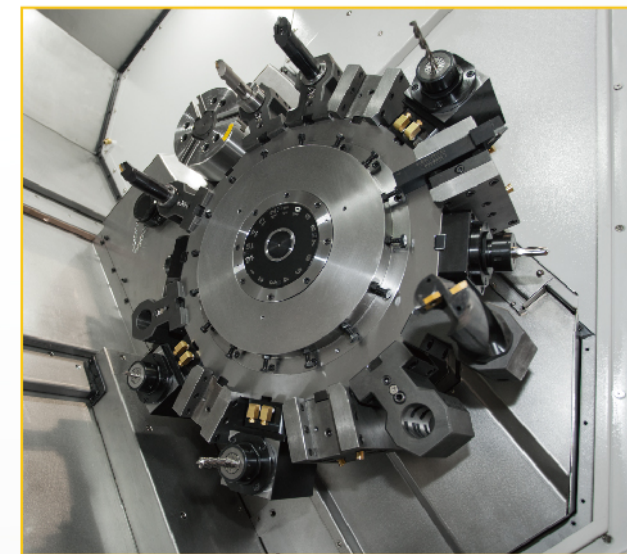
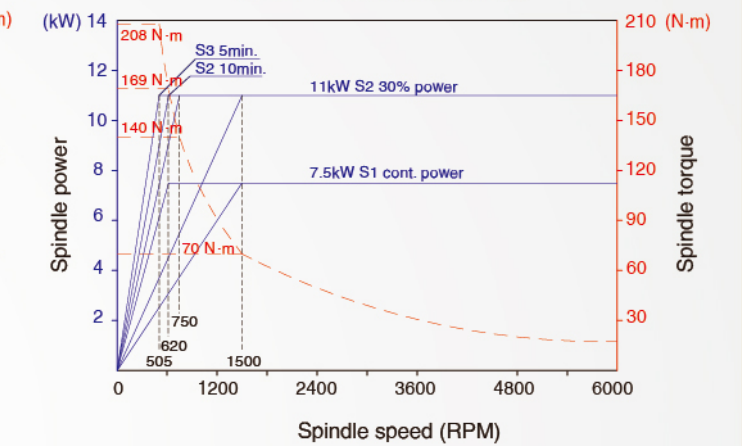
Spindle output diagram

Powered by FANUC MOTOR for high stability & high accuracy.

FX-800 | Main spindle 11/15kW



FX-800 | Sub spindle 7.5/11kW

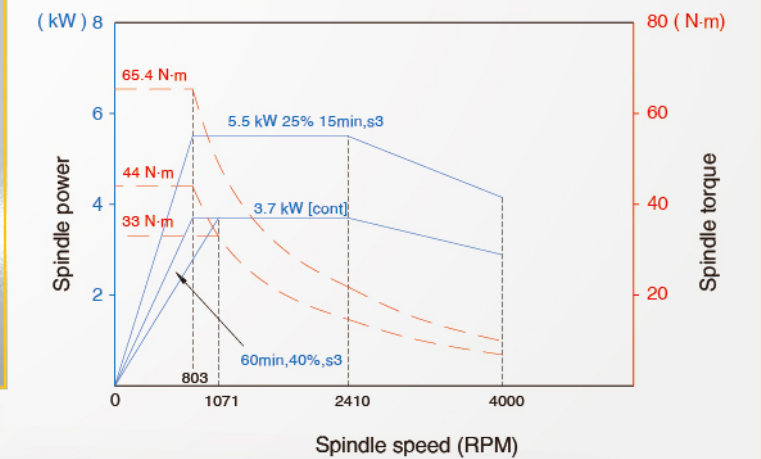


T16 Turret



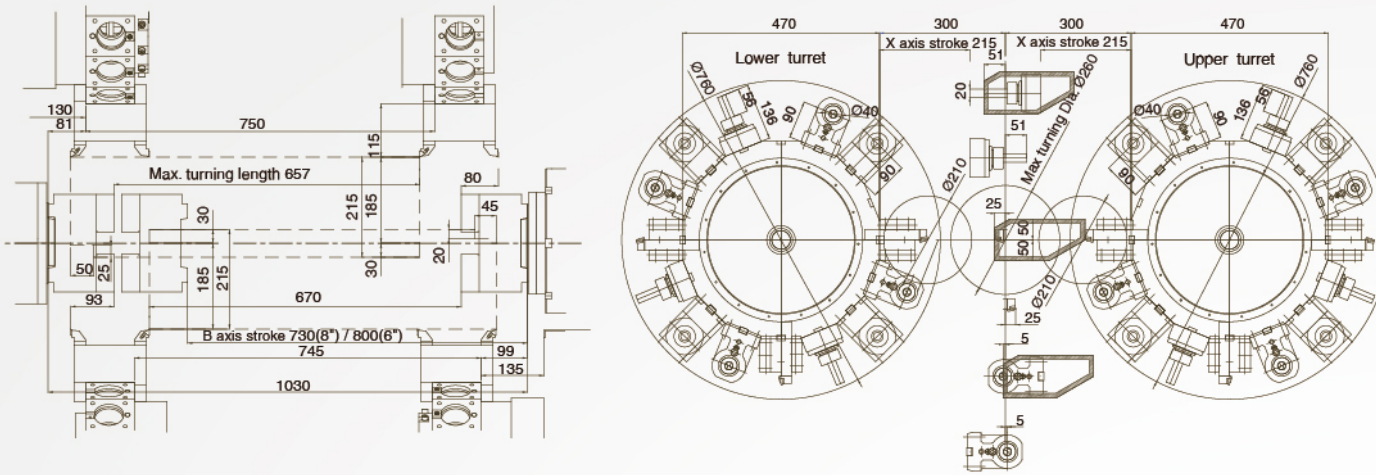
Power chart for milling tool

FX-800 | β il3/10000



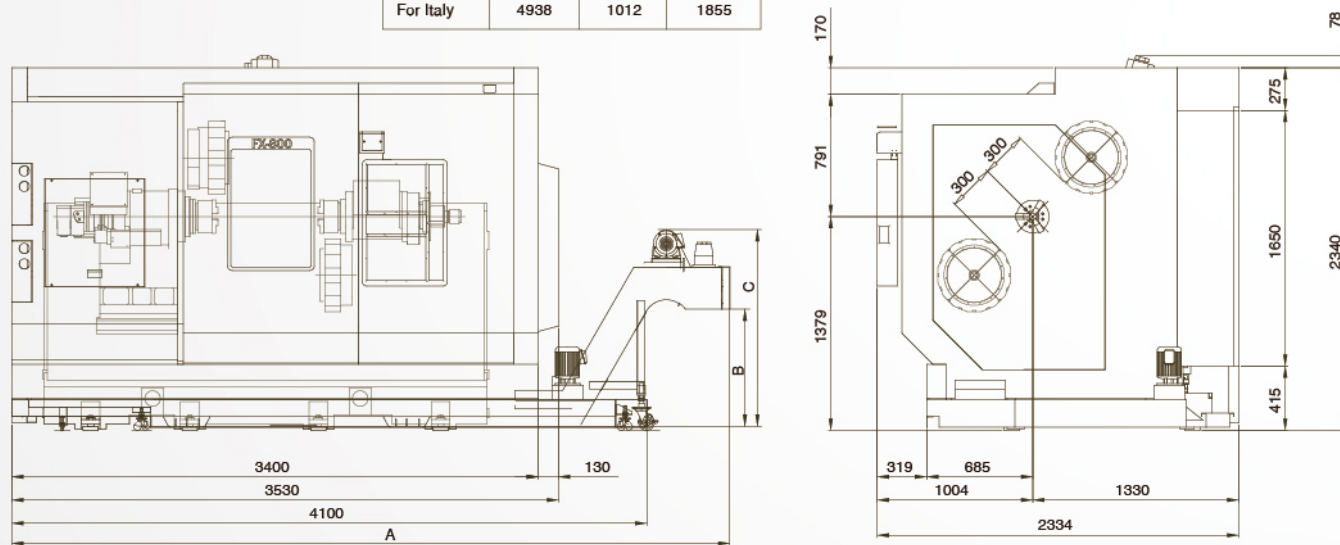


Working range | Interference diagram



Machine Dimensions

Country	A	B	C
Not for CE	4636	782	1294
For CE	4740	815	1469
For Italy	4938	1012	1855



Standard and optional accessories

Standard accessories

1. Built in spindle motor
2. Hydraulic servo turret
3. Leveling pad
4. Wedges
5. Working lamp
6. Tool box
7. Operation manual
8. Hydraulic chuck
9. Foot switch

Optional accessories

1. Chip conveyor & chip cart
2. Tool setter
3. Parts catcher
4. Parts conveyor
5. Barfeeder & Interface
6. Hanger (2PCS)
7. Air blow
8. Automatic Power-off
9. Parts counter
10. Collet chuck
11. Oil mist collector



Specifications

Item	Unit	FX-800
Capacity		
Standard turning diameter	mm	210
Max. turning diameter	mm	260
Max. turning length	mm	657
Max. bar work capacity	mm	65(Spindle) / 52(Sub spindle)
Distance between two spindle faces	mm	Max.1030 / Min.300
Spindle		
Spindle speed	rpm	4500
Chuck size		8"
Spindle nose		A2-6
Through hole diameter	mm	76
Bearing diameter	mm	110
Sub. Spindle		
Spindle speed	rpm	5000
Chuck size		8"
Spindle nose		A2-6
Through hole diameter	mm	63
Bearing diameter	mm	100
Turret		
Number of turrets		2
Number of tool stations		T16+T16
Turning tool shank	mm	25
Boring bar shank diameter	mm	40
Milling speed	rpm	4000
Milling shank diameter	mm	Ø1-Ø20

Item	Unit	FX-800
Travel		
X1 / X2 axes travel	mm	215 / 215
Z1 / Z2 axes travel	mm	750 / 745
Y axis travel	mm	±50
B axis travel	mm	800
Feedrate		
X1 / X2 axes rapid traverse rate	m/min	20 / 20
Z1 / Z2 axes rapid traverse rate	m/min	20 / 20
Y axis rapid traverse rate	m/min	10
B axis rapid traverse rate	m/min	20
Motor		
Spindle drive motor	kW	11 / 15
Sub. spindle drive motor	kW	7.5 / 11
Milling motor	kW	3.7 / 5.5
Turret index motor	kW	1.2
X1 / X2 axes drive motor	kW	2.5 / 2.5
Z1 / Z2 axes drive motor	kW	2.5 / 2.5
Y axis drive motor	kW	2.5
B axis drive motor	kW	2.5
Machine size		
Height	mm	2340
Width	mm	3530
Depth	mm	2334
Weight	kg	12300

※ Specifications are subject to change without notice.



Tooling system

