

TAKISAWA[®]
T A I W A N

FX-600

Twin Turret Multiple Axis
Turning Center

www.takisawa.com.tw

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Taiwan **TAKISAWA** Technology Co., Ltd.
No. 505, Sec-3, Yeng-Ping Road, Ping-Chen City,
Taoyuan Hsien, Taiwan

TEL » +886-3-464-3166

FAX » +886-3-464-3674

E-mail » info@takisawa.com.tw
www.takisawa.com.tw

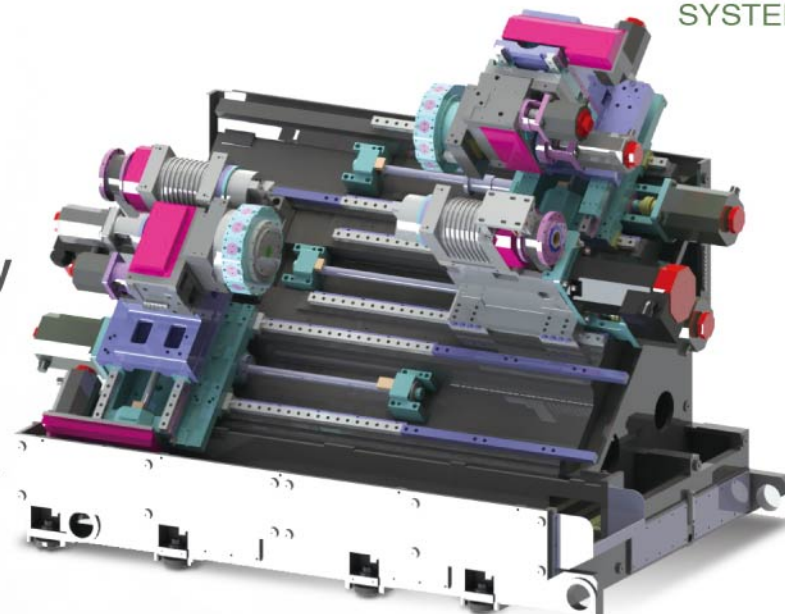


FX-600

Multi-purpose Machine for Process Integration and High Efficiency

High speed and precise indexing full-scale machining-oriented tool spindle can cover complicated workpiece geometries to ensure machining areas on the B and Y axes.

With twin turrets and spindles, it is especially useful for high volume applications with short cycle time processing.

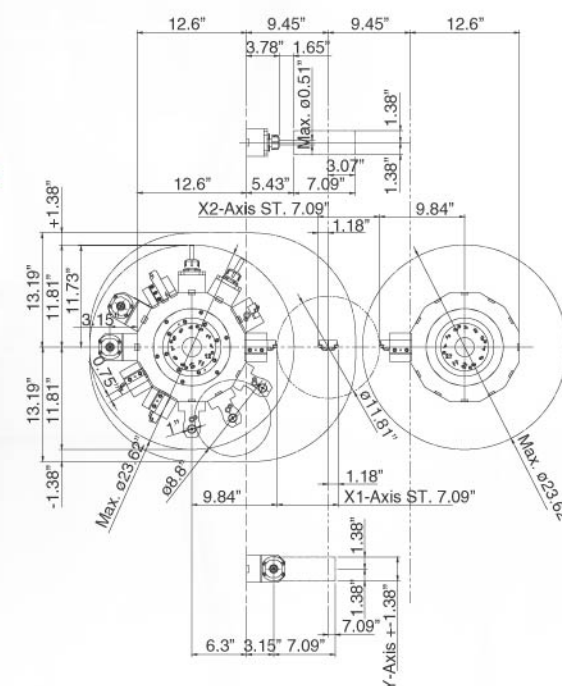


TOOLING SYSTEM

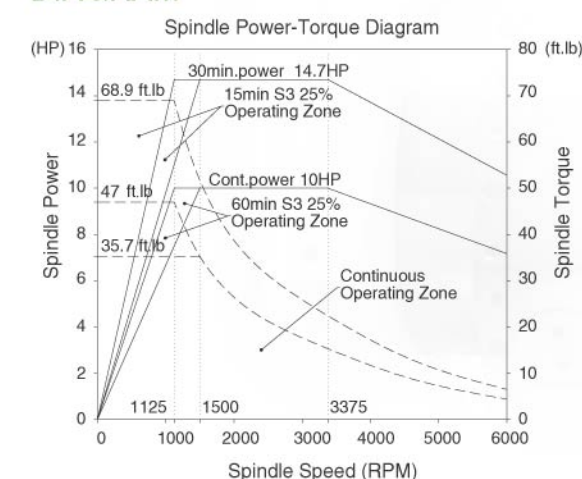
TOOL HOLDER 	TURNING HOLDER AF22003-001(mm) AF22024-001(inch)					
	FACING HOLDER AF22004-001(mm) AF22025-001(inch)					
BORING BAR 	 	ø6(mm) AF22005-001 ø1/4(inch) AF22026-001	BORING BAR, DRILL HOLDER 			
		ø8(mm) AF22006-001 ø5/16(inch) AF22027-001				
		ø10(mm) AF22007-001 ø3/8(inch) AF22028-001				
		ø12(mm) AF22008-001 ø1/2(inch) AF22029-001				
		ø16(mm) AF22009-001 ø5/8(inch) AF22030-001				
		ø16(mm) AF22010-001 ø3/4(inch) AF22031-001				
		DRILL 		 	MT.1(mm) AF22017-001 1(inch) AF22038-001	AF22001-001(m) AF22023-001(in)
					MT.2(mm) AF22018-001 2(inch) AF22039-001	
U DRILL 	 	ø16(mm) AF22020-001 ø16(inch) AF22041-001	U DRILL HOLDER 			
		ø20(mm) AF22021-001 ø20(inch) AF22042-001		AF22002-001(m) AF22023-001(in)		
DRILL 		ER20 GM81030T000	X axis 			
			GM81030T016			
TAP 		ER20TAP GM81029T000	Z axis 			
			GM81030T016			

12 STA. TURRET
AF21101-001

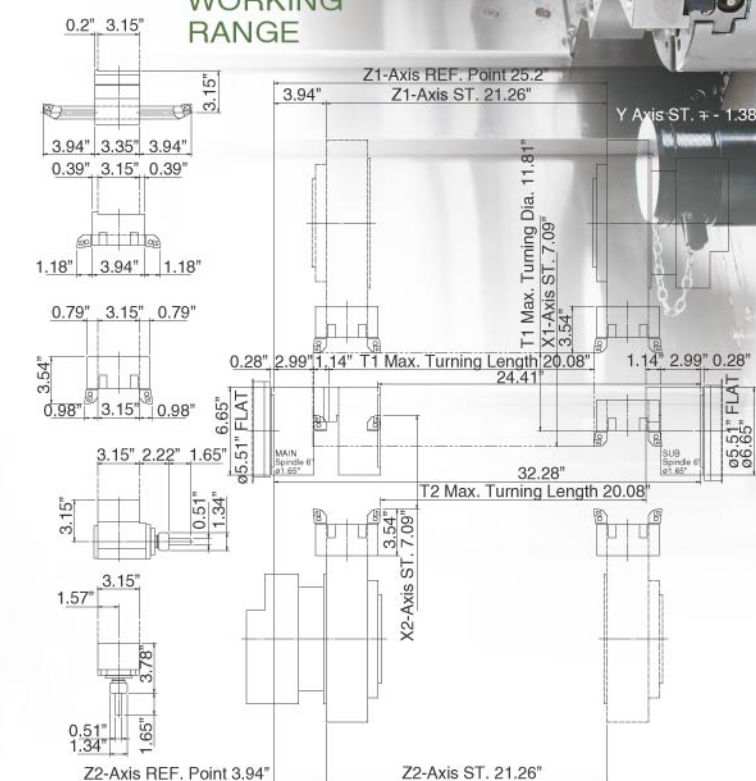
INTERFERENCE DIAGRAM



SPINDLE OUTPUT DIAGRAM



WORKING RANGE



SPECIFICATIONS

※ Specifications are subject to change without notice.

CAPACITY	UNIT	
Standard turning diameter	inch	8.7
Max. turning diameter	inch	11.8
Max. turning length	inch	20.1
Max. bar work capacity	inch	1.65 / 1.65
Distance between two spindle faces	inch	Max.33 / Min.8

SPINDLE	UNIT	
Spindle speed	rpm	6000
Chuck size		6"
Spindle nose		ø5.5 FLAT
Through hole diameter	inch	2.2
Bearing diameter	inch	3.15

SUB. SPINDLE	UNIT	
Spindle speed	rpm	6000
Chuck size		6"
Spindle nose		ø5.5 FLAT
Through hole diameter	inch	2.2

TURRET	UNIT	
Number of turrets		2
Number of tool stations		T12+T12
Turning tool shank	inch	0.78
Boring bar shank diameter	inch	1
Milling speed	rpm	6000
Milling shank diameter	inch	ø1-ø13

TRAVEL	UNIT	
X1 / X2 axes travel	inch	7.09 / 7.09
Z1 / Z2 axes travel	inch	21.26 / 21.26
Y axis travel	inch	±1.38

FEEDRATE	UNIT	
X1 / X2 axes rapid traverse rate	inch/min	945 / 945
Z1 / Z2 axes rapid traverse rate	inch/min	1575 / 1575
Y axis rapid traverse rate	inch/min	630
Z axis rapid traverse rate	inch/min	1575

MOTOR	UNIT	
Spindle drive motor	HP	10 / 14.7
Sub. spindle drive motor	HP	10 / 14.7
Milling motor	HP	3.6
Turret index motor	HP	1.6
X1 / X2 axes drive motor	HP	2.4 / 2.4
Z1 / Z2 axes drive motor	HP	3.3 / 3.3
Y axis drive motor	HP	1.6
B axis drive motor	HP	3.3

MACHINE SIZE	UNIT	
Height	inch	87
Width	inch	108
Depth	inch	80
Weight	lb	14992