

Hello,

We are very pleased to present the following machine for your review and approval:

2008 TAKAMAZ X-100

CNC Turning Center

Swing: 11"

Machining Length: 10"

Chuck Size: 6"

Bar Capacity: 2.9"

Power: 10 hp

Max RPM: 4,500 RPM

Turning Dia: 8"

Tailstock: No

Live Tooling: No

Sub Spindle: No

Dimensions: 53.9" x 53.5" x 67.7"

Weight: 4,840 Lbs.



-EQUIPPED WITH-

Fanuc OiTC CNC Control

8" Turning Cap.

Input-Output Loader System

PRICE.....\$52,500

Best Regards,

Mike Heim - Sales Manager



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CNC Precision Lathe **X-100**

Machine Specifications

	Item	Unit	X-100
Capacity	Optimum turning diameter	mm	φ 60 × 50
	Max. bar diameter	mm	Solid(φ 26, φ 35, φ 42 Opt.)
	Chuck size	inch	6 (8 Opt.)
Spindle	Spindle nose		A2 - 5
	Spindle bearing I.D.	mm	φ 75 (φ 85 Opt.)
	Spindle speed	min ⁻¹	Max.4,500 (6,000 Opt.*)
Tool post	Type		8-station
	Tool shank	mm	□ 20
	Boring holder I.D.	mm	φ 25
	Max. stroke	X axis Z axis	mm 120 (90 : with tallstock) 230
	Rapid traverse rate	X axis Z axis	m/min 12 18
	Spindle motor	kW	AC5.5/3.7 (7.5/5.5 Opt.)
	Feed motor	X axis Z axis	kW AC1.0 AC1.6
Motors	Hydraulic motor	kW	AC0.75
	Spindle center height	mm	960
Size	L × W × H	mm	1,370 × 1,360 × 1,720
	Machine weight	kg	2,200
	Total electric capacity	KVA	13 (AC7.5/5.5 kW : 16)

*6,000 min⁻¹ specification available only with φ75-mm spindle

Standard Accessories

<input type="checkbox"/> Boring holder.....2 sets	<input type="checkbox"/> Splash guard.....1 set
<input type="checkbox"/> Clamp block.....8 sets	<input type="checkbox"/> Service tool kit.....1 set
<input type="checkbox"/> Collet flange.....1 pce	<input type="checkbox"/> Instruction manual.....1 set
<input type="checkbox"/> Coolant unit (95 lit.).....1 set	

The "X-10", well-received as a sophisticated, reasonably-priced and flexible automated system. We have produced 5,500 units in total in the 10 years since the market debut. Now the machine has been reborn as the "X-100", with a variety of specifications to suit the times.

CNC Precision Lathe **X-100**

New Evolution Backed Up by Track Record of 5,500 Units

A Control System Equipped With Extensive Functions.
Spindle torque increased by 30%!
Travel speed increased by 70%! Ready for the new loader "IGH".

The photo shows the X-100 model in new TAKAMIZU standard color. Environmentally friendly powder coating is employed.

New "IGHLoader" Mounted

The gear-type high-speed, 3-axis servo loader "IGH loader" has just been developed. Each axis employs a small high-speed motor to achieve lighter and smaller components, with reductions measured in units of gram, as well as shorter strokes. All these features improve the rapid feed rate of the travel axis to 150 mm/min, which is about 70% higher than the conventional "IG loader", and the vertical axis to 125 mm/min, which is about 40% higher. This makes it the fastest among the many Takamizuru loader models. Rigidity also is enhanced. The allowable moment in the vertical axis push direction, for example, is about 50% more than that of a conventional loader. Both speed and strength are combined in the pursuit of stable loading and reduced cycle time.

Most suited for combination with a station stocker and other peripheral equipment.

Station stocker
Multi-layer stocker for feeder response to changing R-workpiece diameter.

Flat stocker
Flat stocker for feeder response to changing R-workpiece diameter.

Shaft work stocker
Shaft work stocker for feeder response to changing R-workpiece diameter.

Parts feeder
A cylindrical feeder with magnetic footprints for storing small workpieces.

Tray changer
Tray changer that can be stored together with the tray.

"IGHLoader", a Compact Servo Loader with Enhanced Operability and Productivity.

A compact integrated loader with footprint of only 1.9m². The compact servo loader "IGHLoader" utilizes space above the headstock. Operation efficiency is improved by using the preset counter function and displaying the loader operating procedure on the FANUC operation screen. "User-friendliness" has been reviewed in detail to ensure a flexible line formation.

Loader transfer capacity

Item	Unit	IGH	IG
Workpiece dimension			
Diameter (max)	mm	φ60, φ150	φ60
Reaction weight	kg	1.5	1.0
Drive system		Servomotor	Servomotor
Stroke	mm	340	340
Rapid traverse rate	m/min	155	80
Arm (vertical axis)			
Drive system		Servomotor	Servomotor
Stroke	mm	240	240
Rapid traverse rate	m/min	125	80
Hand rotation			
Drive system		Air cylinder	Air cylinder
Angle	°	90	90

