

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
Spindle	Optimum turning diameter	mm	$\phi 60 \times 50$
	Max. bar diameter	mm	Solid($\phi 26, \phi 35, \phi 42$ Opt.)
	Chuck size	inch	6 (8 Opt.)
	Spindle nose		A2-5
	Spindle bearing I.D.	mm	$\phi 75$ ($\phi 85$ Opt.)
	Spindle speed	min ⁻¹	Max.4,500 (6,000 Opt.)
Tool post	Type		8-station
	Tool shank	mm	$\square 20$
	Boring holder I.D.	mm	$\phi 25$
	Max. stroke	X axis mm	120 (90 : with tailstock)
Motors	Z axis	mm	230
	Rapid traverse rate	X axis m/min	12
	Z axis	m/min	18
Size	Spindle motor	kW	AC5.5/3.7 (7.5/5.5 Opt.)
	Feed motor	X axis kW	AC1.0
	Z axis	kW	AC1.6
Standard Accessories	Hydraulic motor	kW	AC0.75
	Spindle center height	mm	960
	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 $\phi 75$ -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 "ΣGH".

The photo shows the X-100 model in our TAKEMATE product line. Efficiency fully intended provider leading in high-quality.

New "ΣGHLoader" Mounted

The gantry-type high-speed, 2-axis servo loader "ΣGH Loader" has just been developed. Each axis employs a high-speed motor to achieve lighter and smaller components, with reductions measured in units of grams, as well as shorter strokes. All these features improve the rapid feed rate of the travel axis to 150 mm/min, which is about 40% higher than the conventional "ΣG loader". The feed rate axis to 125 mm/min, which is about 40% higher. This makes it the fastest among the many Takemoto 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

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

A compact integrated loader with footprint of only 1.8m². The compact servo loader "ΣLoader" 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	ΣGH	Σ
Workpiece dimension (ø)	mm	$\phi 60$	$\phi 150$
Workpiece weight (kg)	kg	1.5	6.0
Drive system		Servomotor	Servomotor
Shoulder (traverse axis)	Stroke	mm	340
	Feed travel rate	mm/min	155
Arm (vertical axis)	Stroke	mm	240
	Feed travel rate	mm/min	125
Hand rotation	Drive system	Air cylinder	Air cylinder
Angle		90	90

