



SUPER TURN FLAT BED CNC LATHES

AJST400 - 600



Machine Tool Exporters to the World since 1940

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The New AJAX Super Turn Range now heavier and stronger with the new Fanuc Oi TF control. These machines can be used as a manual lathe by using the electronic handwheels, the control is used as a simple DRO measuring system. For one-offs and small batch production the Super Turn can be programmed, using the flexible electronic turning cycles, its quick, its convenient and you do not have to be CNC trained to use the electronic cycles. You can produce tapers, radii, grooving, multi point profiles and screwcutting by answering simple questions direct from the Fanuc screen. These electronic cycles can then be linked together to give a complete electronic programme.

For complicated shapes and batch production, full ISO programming on the Fanuc Oi Turn Mate control is possible.



AJST400

FEATURES INCLUDE:

- Fanuc Touch screen control
- Solid cast construction
- High power
- 4 or 8 station automatic turrets
- Twin handwheels saddle mounted
- Hardened & ground solid ways

OPTIONS:

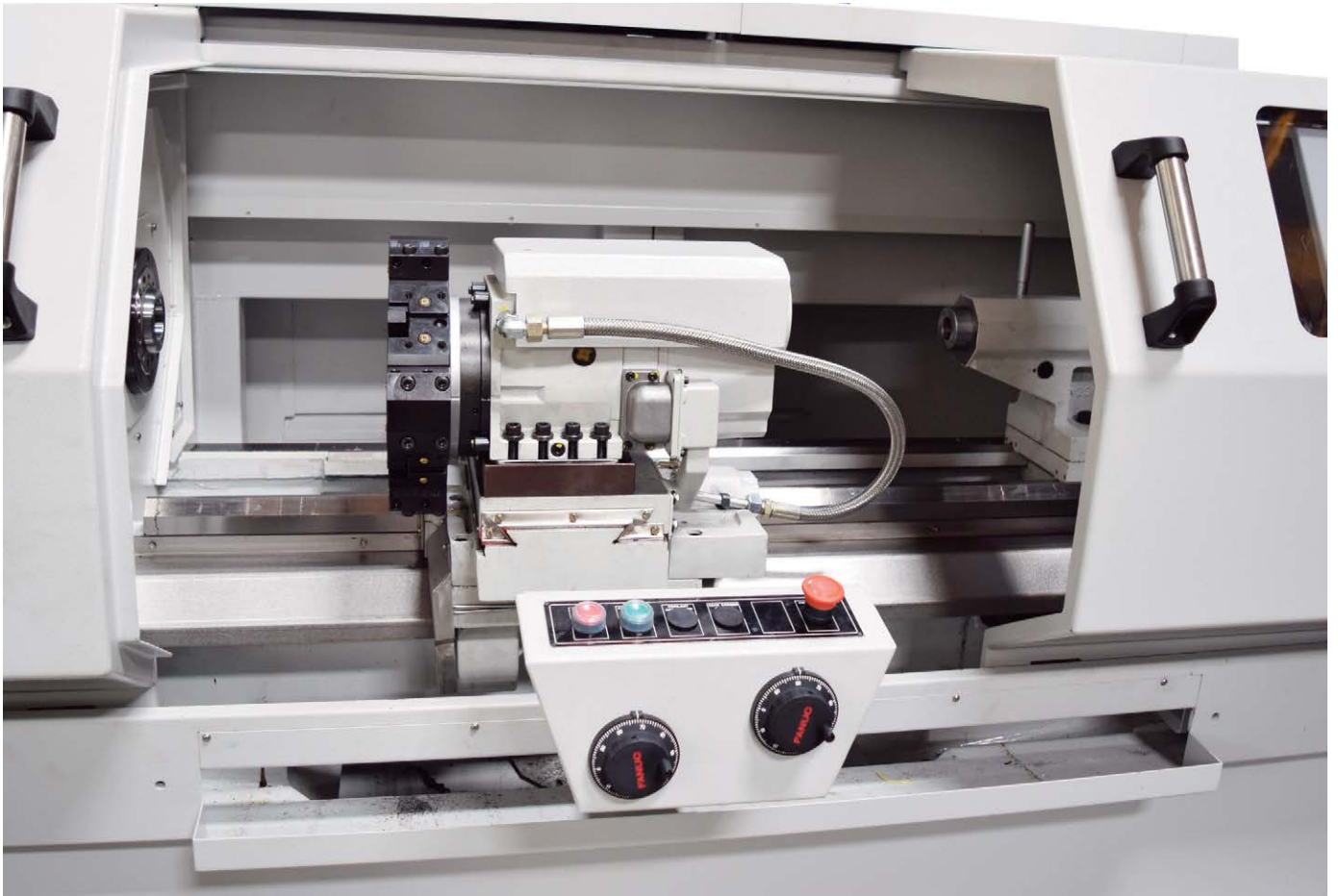
- Manual guide i
- CAD CAM systems
- Siemens 828D Control with Shopmill
- Fagor 8055 Conversational control

STANDARD ACCESSORIES

- Touch screen Fanuc Turn Mate control
- Interlocked guarding & chip collection system
- Coolant equipment
- Automatic lubrication of bed ways
- Electronic hand-wheels or X & Z Axes
- Feed override control
- Digital Fanuc AC spindle Motor
- Digital Fanuc AC Feed drives & motors
- High power lighting
- Fixed centres & reducing bush
- 4 or 8 station turrets
- Instruction Manual
- Hardened bed to 400-450 HB

Model	AJST400	AJST500	AJST600
Centre height (mm)	200	250	300
Swing over bed (mm)	400	500	600
Swing over cross slide (mm)	200	280	380
Distance between centres in mm	1,000	750 / 1,250 / 2,000	750 / 1,250 / 2,000
Bed width in mm	300	400	400
Main spindle bore (mm)	52	63	86 or 110
Spindle nose	A2-5	A2-6	A2-8
Spindle taper	4	4	4
Number of ranges	1	1	1
Variable speed (rpm) with CSS	100 - 2,500	150 - 2,000	150 - 2,000
Working feed rates mm/min	0 - 8,000	0 - 8,000	0 - 8,000
Rapid feeds M/min	Z=10 -X=8	Z=10 -X=8	Z=10 -X=8
Tailstock diameter	63	80	80
Tailstock quill travel	140	180	180
Tailstock quill taper	4	5	5
Main motor power in kW	5.5	8	12
Pump motor power in kW	0.57	0.57	0.57
Coolant Flow rate Lt/min	25	25	25
Length of machine (mm)	2,500	2,300 / 3,300 / 3,500	2,300 / 3,300 / 4,100
Width of machine (mm)	1,660	1,700	1,700
Height of machine (mm)	1,630	1,850	1,850
Weight of Machine (kg)	1,800	2,500 / 3,000 / 3,300	2,700 / 3,000 / 3,500

TECHNICAL SPECIFICATIONS



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