



# REVOLUTION FLAT BED CNC LATHES

**AJREV200 - AJREV330**



**AJAX IS STARTING A REVOLUTION  
IN CNC TURNING**

Machine Tool Exporters to the World since 1940

# REVOLUTION FLAT BED CNC LATHES

**AJREV200 - AJREV330**

The New Ajax Revolution Manual CNC Lathes Range supersedes the old Evolution range now heavier and stronger. With various CNC control options from Siemens, Fagor & Fanuc. These machines can be used as a manual lathes by using the electronic hand wheels. Then control is used as a simple DRO measuring system. Or full CNC for complicated or production work. Big capacity at a value for money price.

For one-offs and small batch production the Revolution can be conversationally 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.

NSK Spindle & thrust bearings, Turcite-B on hardened & ground slides, the AJREV400 has twin Vee slides for better long lasting precision, automatic lubrication, portable handwheel (MPG), Hiwin Ballscrews, high power LED lighting.



**AJREV250**

## **AJAX IS STARTING A REVOLUTION IN CNC TURNING**

Centre lathe turning has progressed at an impressive rate since the conception of electronics, driving axis and spindles, and computer driven programming.

The AJAX Superturn range of machines, combines all the virtues of conventional turning, electronic cycle turning and full CNC turning all in ONE machine.

The AJAX Revolution CNC machines can be used as a manual lathe by using the electronic hand-wheels, the control is used as a simple DRO measuring system. For the 1 offs and small batch production then 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 screw-cutting by answering simple questions direct from the Fanuc screen. These electronic cycles can then be linked together to give a complete electronic program.

Model	AJREV200	AJREV250	AJREV330
Centre height (mm)	200	250	330
Swing over bed (mm)	400	500	660
Swing over cross slide (mm)	200	280	380
Distance between centres in mm	750 / 1,000 / 1,500	1,000 / 1,500	1,000 - 3,000
Bed width in mm	300	400	400
Main spindle bore (mm)	60	86 or 105	105
Spindle nose	A2-6	A2-8 or A2-11	A2-11
Spindle taper	4	4	4
Number of ranges	1	1	1
Variable speed (rpm) with CSS FANUC	150 - 2,000	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	55	80	80
Tailstock quill travel	120	180	180
Tailstock quill taper	4	5	5
Main motor power in kW	5.5	8	9.5
Pump motor power in kW	0.57	0.57	0.57
Coolant Flow rate Lt/min	25	25	25
Length of machine (mm)	2,300 / 2,550 / 3,050	2,500 / 3,050 / 3,500	3,050 / 4,100
Width of machine (mm)	1,400	1,500	1,600
Height of machine (mm)	1,680	1,850	1,850
Weight of Machine (kg)	1,600 / 1,800 / 2,200	2,500 / 3,000 / 3,300	3,000 / 3,500

## TECHNICAL SPECIFICATIONS

The AJAX Revolution machines include fully enclosed guarding, meeting CE regulations, automatic 4 way indexing toolpost, automatic speed change and new Fanuc touch screen control.

Machine programs can be up and downloaded through the RS232 port or saved directly to the PMCIA card.

### RANGE

The range starts at 400 mm swing to 2,100 mm swing, with bed lengths varying from 1,000 mm to 6,000 mm, spindle speeds vary for sizes of machines but all have CSS fitted as standard.

### CONTROL OPTIONS

We can offer these machines with the Fanuc Oi TF Turn Mate i , Fagor 8058 or Siemens 808D CNC Controls.

This range of machines follows on from the Evolution lathes which ran for 15 years and before that the Quick Turn that ran only for a few years and going back 20 years and more the Premier lathes which were the first of this type with the old Fagor 800T and then the Fagor 8055T. So we have a lot of experience in this type of machine.



**AJREV200**

### **STANDARD FEATURES**

- Siemens 808D CNC Control.
- Fagor 8058 TC CNC Control.
- Fanuc Turn Mate i CNC control. (Touch Screen)
- Interlocked guarding & chip collection system.
- Double Vee slide configuration, to give more stable accuracy and better wear performance over time.
- Turcite B coated Hardened & ground slides to 400-450 HB.
- Coolant equipment.
- Automatic lubrication of bed ways.
- Electronic hand-wheels or X & Z Axes.
- Feed override control.
- Digital Fanuc AC Feed drives & motors.
- High power lighting.
- Fixed centres & reducing bush.
- 4 or 8 station turrets.
- Instruction Manual.



**AJREV400 SADDLE**

### **OPTIONS**

- 3 & 4 Jaw chucks.
- Fixed & travelling steadies.
- Live centres.
- Face plates.
- Siemens 808D. control.
- Fagor 8058 elite control.
- Fanuc Turn Mate i control.



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