

Fusion Lathes



STANDARD FEATURES

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

OPTIONS

- 3 & 4 Jaw chucks
- Fixed & travelling steadies
- Live centres
- Face plates
- 4 way auto indexing toolpost



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Ajax Machine Tools

Machine Tool Exporters to the World



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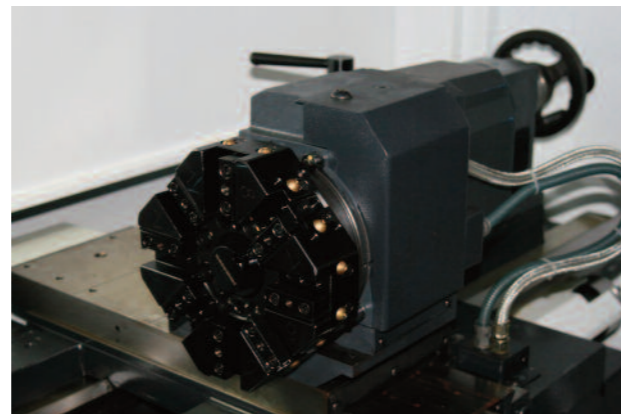
The AJAX Fusion machines can be used as a manual lathe by using the electronic handwheels, the control is used as a simple DRO measuring system. For one-offs and small batch production the Fusion can be programmed, using the flexible electronic turning cycles, its quick, its convenient and you do not 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 Fagor 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 Fagor 8055 TC control is possible.



AJF200

The AJAX Fusion machines include fully enclosed guarding, meeting CE regulations, automatic 4 way indexing toolpost, or 8 station turret, Fagor control and monitor on sliding pendant. Machine programmes can be up and downloaded through the RS232 port, USB or RJ45 network interface.



8 station turret

Model	AJF180	AJF225	AJF260	AJF 310
Centre height (mm)	180	225	260	310
Swing over bed (mm)	360	450	530	620
Swing over cross slide (mm)	198	260	315	415
Distance between centres (M)	0.75 / 1	1 / 1.5	1 / 1.5 / 2 / 3	1 / 1.5 / 2 / 3
Bed width (mm)	250	300	350	350
Main spindle bore (mm)	42	65	80	80
Spindle nose	A2-5	A2-6	A2-8	A2-8
Spindle taper	4	5	5	5
Number of ranges	1	1	1	1
Variable speed RPM with CSS	10 - 4,000	0 - 3,000	0 - 2,500	0 - 2,500
Working feed rates (mm/min)	0-7,000	0-7,000	0-7,000	0-7,000
Rapid feeds M/min	10	10	10	10
Tailstock diameter	58	68	82	82
Tailstock quill travel	180	200	220	220
Tailstock quill taper	4	5	5	5
Main motor power in kW	7.5 Kw	9 Kw	15 Kw	15Kw
Pump motor power in kW	0.57	0.57	0.57	0.57
Width of machine	1270	1370	1470	1560
Length of Lathe + Between centres	1330	1547	1756	1800
Weight of Machine kg	1300/1580	1824/2174	2500/3200	2750/3600

Turning has Fused

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

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

The AJAX Fusion machines can be used as a manual lathe by using the electronic handwheels and axis joy stick, the control is used as a simple DRO measuring system. For the 1 offs and small batch production the FUSION 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 Fagor 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 Fagor 8055 TC control is possible.

The AJAX Fusion machines include fully enclosed guarding, meeting CE regulations, automatic 4 way indexing toolpost, automatic speed range change and new Fagor 8055TC control and monitor on sliding pendant. Machine programmes can be up and downloaded through the RS232 port or saved directly to the hard disc drive.

The range starts at 180mm centre height to 260mm centre height, with bed lengths varying from 750mm to 2000mm, spindle speeds vary for sizes of machines but all have CSS fitted as standard. Axis and spindle drives are all Fagor to give reliability and longevity of service.