



REVOLUTION FLAT BED CNC LATHES

AJREV320 - AJREV660



THE NEW AJAX REVOLUTION MANUAL CNC LATHE RANGE

Machine Tool Exporters to the World since 1940

REVOLUTION FLAT BED CNC LATHES

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The New Ajax Revolution Manual CNC Lathe Range. A Powerful Successor to the Trusted Evolution Series

The Ajax Revolution range of Manual CNC Lathes is the next step forward from the popular Evolution series—engineered with improved strength, durability, and performance.

These versatile machines support a wide variety of CNC control options, including:
Siemens | Fagor | Fanuc



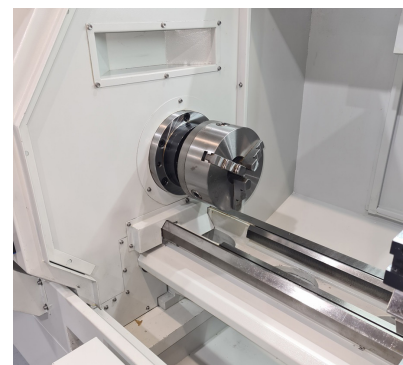
AJREV400

Designed for flexibility, the Revolution lathes can be operated in manual mode using electronic handwheels, or used as a basic DRO measuring system for quick setups and simple tasks. When the job demands it, the machines seamlessly transition into full CNC operation, offering precise control for more complex parts or batch production.

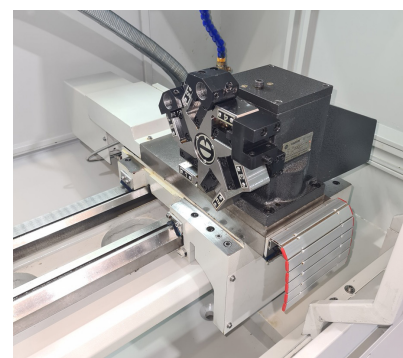
Offering high machining capacity and advanced control at a competitive price, the Ajax Revolution range delivers exceptional value and versatility for modern workshops.

EFFICIENT AND EASY PROGRAMMING FOR ONE-OFF AND SMALL BATCH WORK

For one-off jobs and small batch production, the Ajax Revolution lathes can be conversationally programmed using flexible electronic turning cycles. This intuitive method is quick, convenient, and requires no formal CNC training, making it ideal for operators of all skill levels.



AJREV320 3 JAW CHUCK



AJREV320 6 STATION TURRET

Model	AJREV320	AJREV400	AJREV500	AJREV660
Centre height (mm)	160	200	250	330
Swing over bed (mm)	320	400	500	660
Swing over cross slide (mm)	150	200	280	380
Distance between centres in mm	750 / 1,000	750 / 1,000 / 1,500	1,000 / 1,500	1,000 - 3,000
Bed width in mm	215	300	400	400
Main spindle bore (mm)	55	60	86 or 105	105
Spindle nose	A2-5	A2-6	A2-8 or A2-11	A2-11
Spindle taper	4	4	4	4
Number of ranges	1	1	1	1
Variable speed (rpm) with CSS	150 - 2,500	150 - 2,000	150 - 1,600	150 - 1,600
Working feed rates mm/min	0 - 8,000	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	Z=10 X=8
Tailstock diameter	32	55	80	80
Tailstock quill travel	100	120	180	180
Tailstock quill taper	3	4	5	5
Main motor power in kW	3.7	5.5	8	9.5
Pump motor power in kW	0.57	0.57	0.57	0.57
Coolant Flow rate Lt/min	25	25	25	25
Length of machine (mm)	1,920 / 2,170	2,300 / 2,550 / 3,050	2,500 / 3,050 / 3,500	3,050 / 4,100
Width of machine (mm)	1,120	1,400	1,500	1,600
Height of machine (mm)	1,750	1,780	1,850	1,850
Weight of Machine (kg)	800 / 900	1,600 / 1,800 / 2,200	2,500 / 3,000 / 3,300	3,000 / 3,500

TECHNICAL SPECIFICATIONS

AJAX IS STARTING A REVOLUTION IN CNC TURNING.

AJAX REVOLUTION CNC LATHES – BUILT ON DECADES OF INNOVATION

Centre lathe turning has evolved dramatically with the integration of electronics—enabling driven axes, motorised spindles, and intelligent, computer-controlled programming. The AJAX Superturn and Revolution ranges represent the pinnacle of this evolution, offering the perfect fusion of manual capability, electronic cycle turning, and full CNC machining in one flexible platform.

RANGE SPECIFICATIONS

Swing over bed: from 320 mm to 660 mm

Bed lengths: from 750 mm to 3,000 mm

Spindle speeds: vary by model, all featuring Constant Surface Speed (CSS) as standard

FLEXIBLE CONTROL OPTIONS

Choose from leading CNC control platforms to suit your workshop preferences:

Fanuc Oi TF Manual Guide i

Fagor 8058

Siemens 808D

Siemens 828D Shop Turn

A LEGACY OF PRECISION

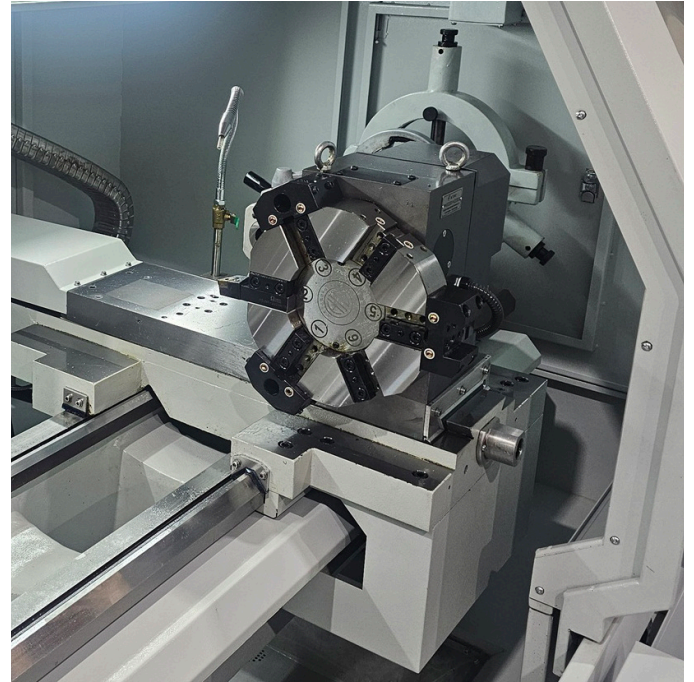
The AJAX Revolution range is the latest in a proven lineage of high-performance lathes:

Built upon the success of the Evolution series (15+ years of operation)

Preceded by the Quick Turn models

Originally pioneered with the Premier lathes, launched over 20 years ago, featuring the early Fagor 800T and 8055T controls

With decades of experience and continuous development, AJAX remains a trusted name in turning technology—offering machines that combine versatility, durability, and outstanding value.



AJREV400 6 STATION TURRET

STANDARD FEATURES

Siemens 808D CNC Control.

Siemens 828D Shop Turn Control.

Fagor 8058 TC CNC Control.

Fanuc Oi TF Plus Manual Guide i CNC control.

Interlocked guarding & front loading chip collection system.

AJREV400 has 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 AC Feed drives & motors.

High power lighting.

Fixed centres & reducing bush.

4, 6 or 8 station turrets.

Instruction Manual.



AJREV MANUAL CONTROL



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