

# Shaping Machines



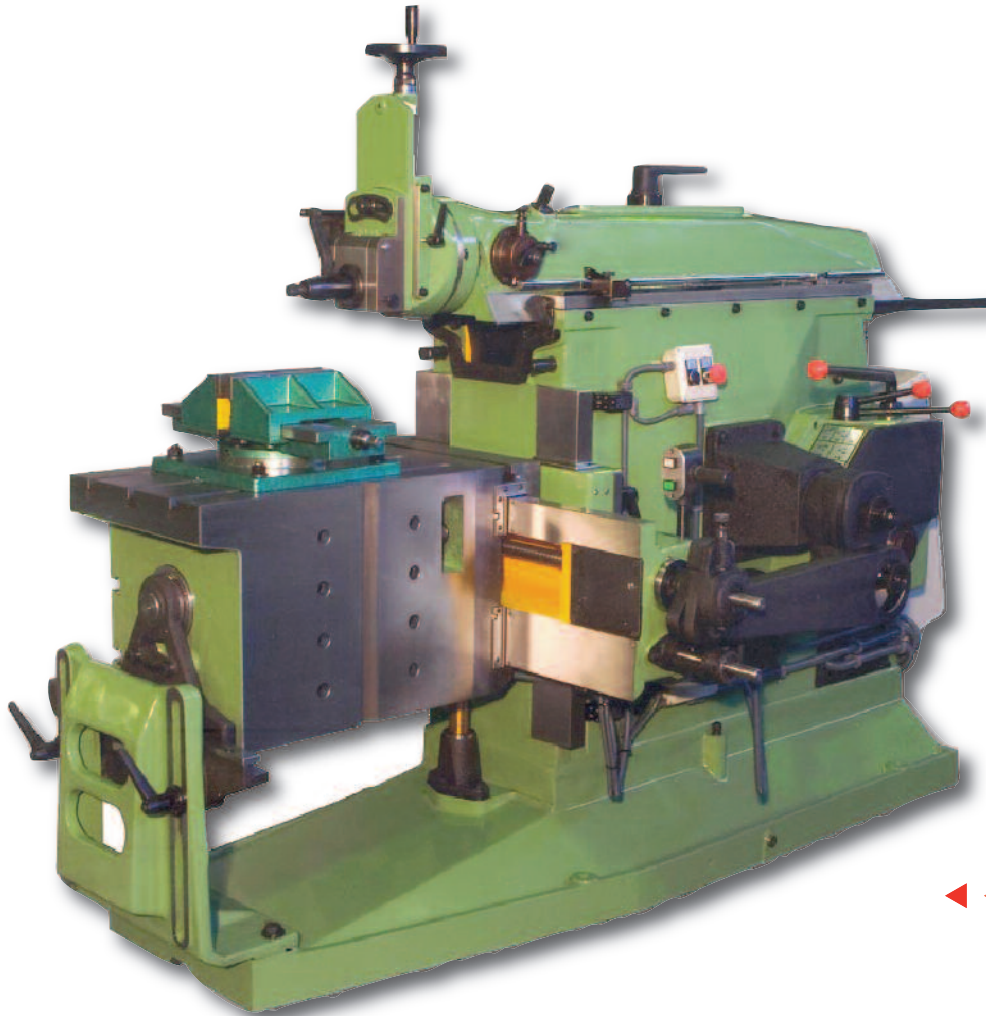
**Ajax Machine Tools**

Machine Tool Exporters to the World

# ▶ ▶ ▶ ▶ ▶ Shaping Machines

## THE AJAX AJS RANGE OF SHAPING MACHINES

Whilst the milling machine has superseded the shaping machine, for many machining operations, especially on production, the shaping machine still has an important role to play on numerous applications.



◀ ◀ ◀ ◀ ◀ AJS-600

### **AJS-350**

All models have been generously designed, the castings adequately strengthened to avoid any possible deformation and careful attention has been paid to all sliding surfaces which are hardened. Supplied as standard on all models is a tool lift on return stroke of ram and a lubrication pump to ensure that all moving parts of the ram slideway are adequately lubricated. All models incorporate a multi-plate clutch as standard.

### **AJS-450**

This machine is the ideal size for the average workshop and has been generously designed with this in mind. Castings are heavily ribbed internally giving perfect rigidity under maximum cutting conditions. All shafts and gears are made from nickel chrome steel, the gears being hardened and ground. Multi-disc clutch and brake ensures smooth starting and quick stopping. The well proportioned slideways and table provide maximum rigidity.

### **AJS-750**

This heavy duty shaping machine is sturdily constructed, the body being mounted on a large base giving maximum rigidity during heavy cutting conditions. The table may be swivelled in any position and the generous slideways give good support. The wide selection of speeds and feeds make this machine and other size machines, the most versatile range on the market at the present time.

<b>RAM</b>	<b>AJS-350</b>	<b>AJS-450</b>	<b>AJS-550</b>	<b>AJS-600</b>	<b>AJS-650</b>	<b>AJS-750</b>
Stroke (mm)	350	450	550	600	650	750
Number of speeds	3	6	6	6	6	6
Speeds (strokes/min)	35 / 70 / 140	20 / 30 / 42 / 62 / 94 / 130	17 / 26 / 30 / 53 / 80 / 112	17 / 26 / 30 / 53 / 80 / 112	20 / 28 / 40 / 56 / 80 / 112	17 / 25 / 35 / 49 / 70 / 98

#### TABLE

Dimensions (mm)	350 x 250 x 260	450 x 300 x 300	550 x 310 x 310	550 x 310 x 310	650 x 390 x 390	750 x 400 x 410
Table rotation (degrees)	45	90	90	90	45	90
Maximum distance table to ramm (mm)	430	375	370	370	405	460
Cross traverse (mm)	450	500	600	600	650	750
Cross feed range per stroke (mm)	0.2-1	0.2-1	0.2-1	0.2-1	0.2-1	0.25-1.5
Vertical traverse (mm)	350	305	315	315	330	350

#### TOOL HEAD

Down feed (mm)(manual)	130	150	150	150	180	180
Maximum tool section (mm)	18 x 30	36 x 22	26 x 42	26 x 42	42 x 26	26 x 42
Auto down feed per stroke (mm)	-	0.2-1	0.2-1	0.2-1	0.2-1	0.2-1

#### VICE

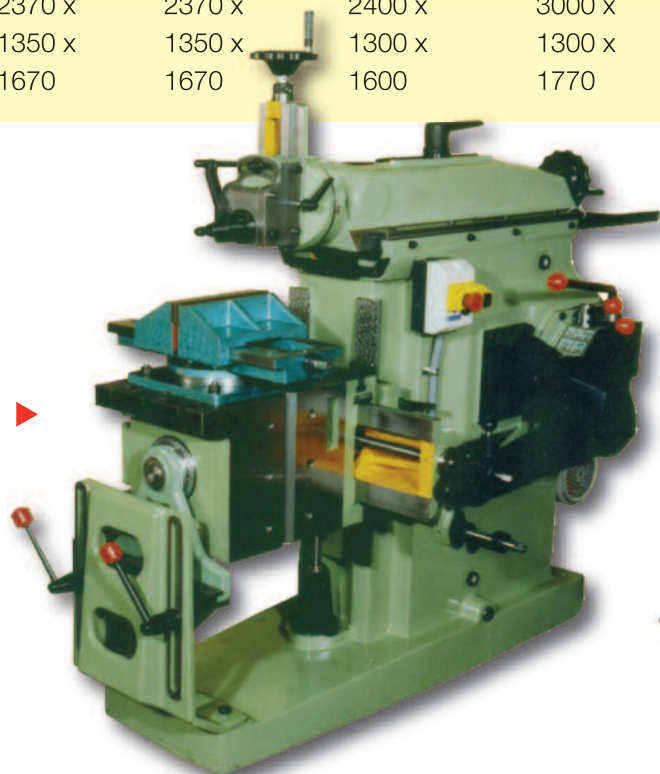
Maximum jaws opening (mm)	230	270	270	270	270	270
Width of jaws (mm)	180	220	220	220	220	220

#### WEIGHT AND DIMENSIONS

Motor power	2Hp (1.5kW)	4Hp (3kW)	4Hp (3kW)	4Hp (3kW)	5.5Hp (4kW)	7.5Hp (5.6kW)
Net weight (kg)	580	930	1580	1750	2180	2315
Gross weight (kg)	650	1100	1800	1950	2400	2800
Dimensions (mm)	1500 x 1140 x 1520	1800 x 1190 x 1520	2370 x 1350 x 1670	2370 x 1350 x 1670	2400 x 1300 x 1600	3000 x 1300 x 1770



**AJS-450** ▶▶▶▶▶





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