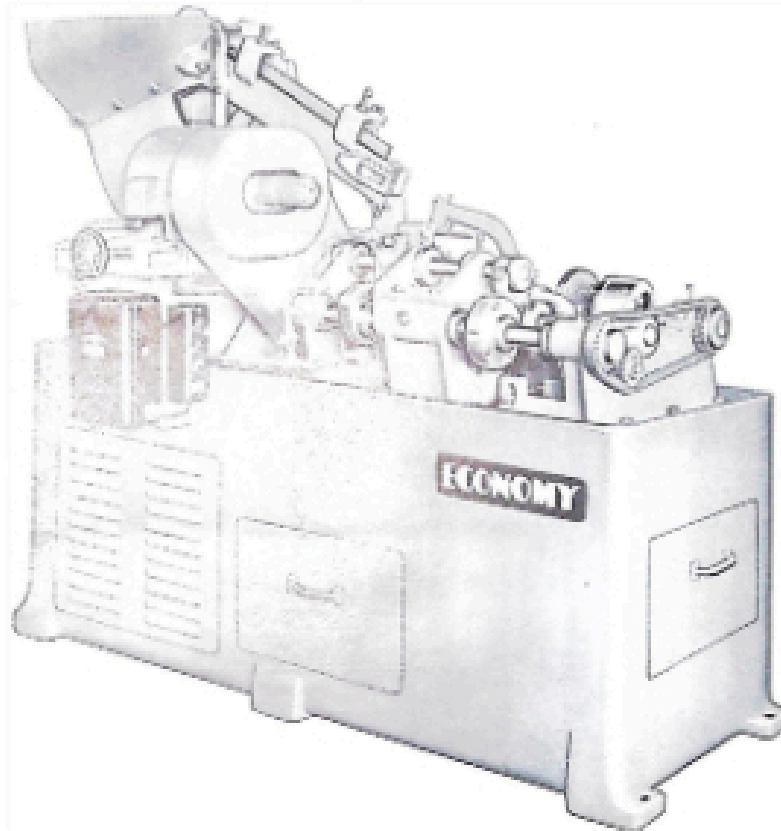


6591

The Economy Type "S-4300" 1" Automatic Shaving Machine



THIS is our latest design fully Automatic Shaving Machine. Variable Speed Drives, three shaving tool levers and extra heavy construction are but a few of the many improvements incorporated in this machine.

The operation is fully automatic. Work flows from the hopper to the work pan in a steady stream of accurately machined parts.

Machine is equipped with Variable Speed Drives to both spindle and camshaft.

Spindle is mounted in large Timken tapered roller bearings.

Camshaft speed is controlled by separate motor and Variable Speed Drive completely independent of the spindle drive. This provides an infinite range of feeds and speeds between the spindle and camshaft. A built-in pressure system circulates the cutting fluid to the tools. Safety factors include a special overload safety clutch and safety springs in all movements wherever possible.

Our Standard Type "S-4300" Machine is furnished with three shaving tool levers. Two levers are mounted on one side of spindle and an auxiliary lever is mounted on the opposite side.

Shaving tools are adjusted by moving cams along threaded cam sleeves. Cams are precision ground with a 5 degree taper, thereby providing extremely fine adjustments.

This machine is especially adapted for finishing many different types of automotive and aircraft parts which can be hopper fed. Among the many parts which can be machined are bolts, cap screws, automotive valves, tappets, bicycle pedal axles, brake pins, and other similar headed parts.

See Reverse Side of Sheet for Complete Specifications

THE ECONOMY ENGINEERING CO.
WILLOUGHBY, OHIO

**Fully
Automatic:**

*One Operator
Attends Several
Machines*

*Shaves Top,
Under Head or
Special Forms on
Headed Parts*

*Three
Tool Levers
Independent of
Each Other*

*Variable Speed
Spindle*

*Variable Speed
Camshaft*

Capacity

Diameters
3/8" to 1"

Lengths
1" to 6"

Production:

**420 to 1320
Pieces
per
Hour**

**A 1/2"
Machine
Is
Also
Available**

See Next Page