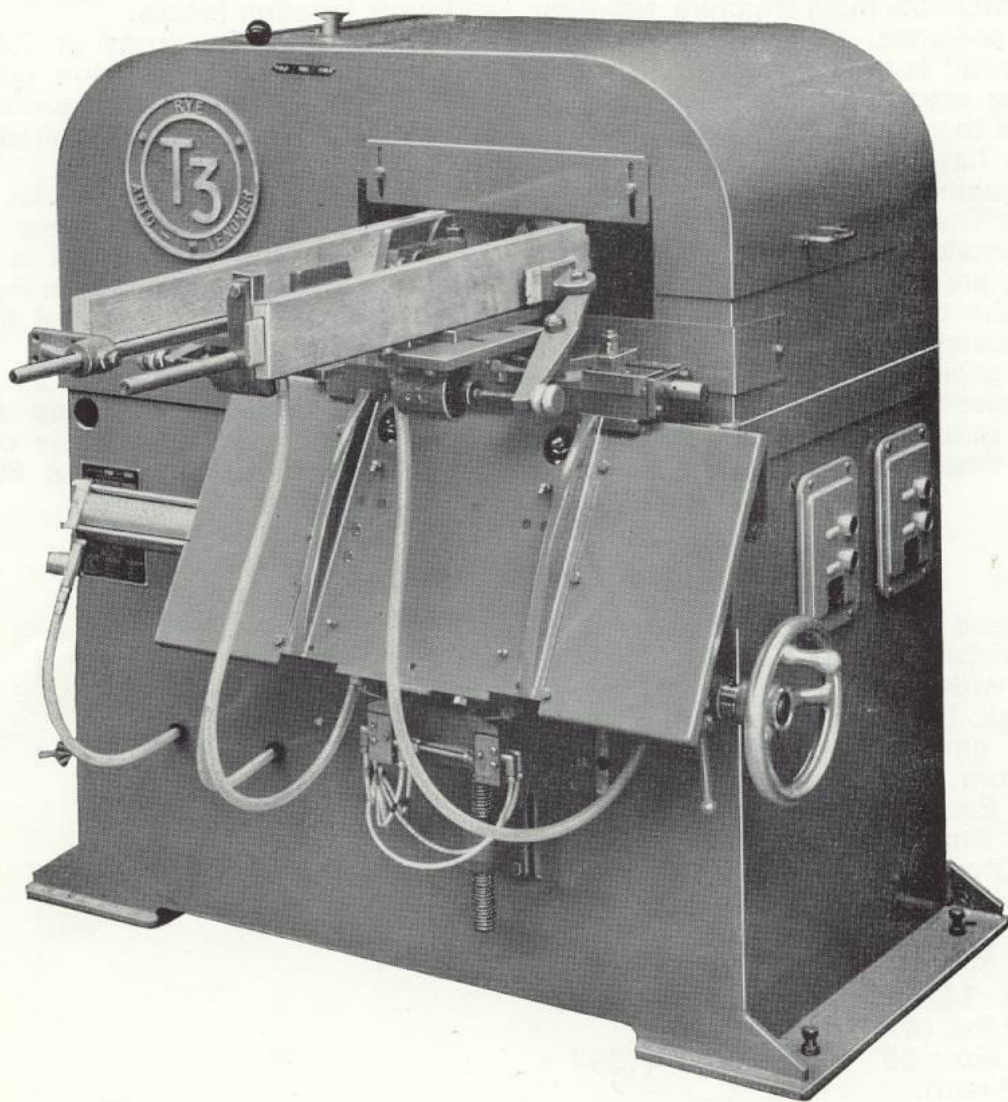


RYE

Woodworking Machinery



Model T/3 Fully Automatic Single End Tenoner

- One cutter head
- High production. Continuous feed
- Cuts round ended tenons or dowels, straight, simple or compound angles

RYE

RYE MACHINERY LTD

Lincoln Road, High Wycombe, Bucks. HP12 3TR England
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T/3 10/80 500

Technical Details

This machine is a further development of our types DT/1 and T/2. It has a continuous cycle of operations timed at approximately 10-12 strokes per minute. This output would apply to medium size tenons, but can be varied to suit working conditions.

Construction: The machine is of modern design and practically all moving parts are contained within the main structure, resulting in a neat appearance.

The cutter head is well guarded and wood chips can be extracted through an opening in the end of the machine.

Every effort has been made to produce a machine requiring little maintenance.

Operation: The sliding work table is fitted with two work stations into which the components are alternately loaded and unloaded, as the table comes to rest at each end of its movement.

At the rest position the component in one station is presented to the cutter head, the tenon is cut in one up and down movement, during this time the other station is being reloaded.

The table moves automatically in sequence to the cutter head. Air clamps are provided at each work station.

A single hand lever starts and stops the continuous working cycle, and also returns the table to either of the rest positions.

Compound and simple angle tenons of $30^\circ \times 20^\circ$ are obtainable by adjustment to table and work location fences.

Cutter Block: This runs at 7,000 r.p.m. and is fitted with two main cutters, two scribing cutters and two spur cutters for trimming the tenon to the required length. A cutter setting jig is provided.

Electrics: The traversing device is driven through a worm reduction gear box by a $\frac{3}{4}$ h.p. Motor. The cutter block is driven by a flat belt from a $1\frac{1}{2}$ h.p. Motor. Push button starters are provided to control the motors and give protection.

Air Equipment: Compressed air is used to operate the clutch, air clamp and table motion. Air is used at the rate of 2 cubic feet of free air per minute at 80-100 lbs per square inch (6-7 atmos).

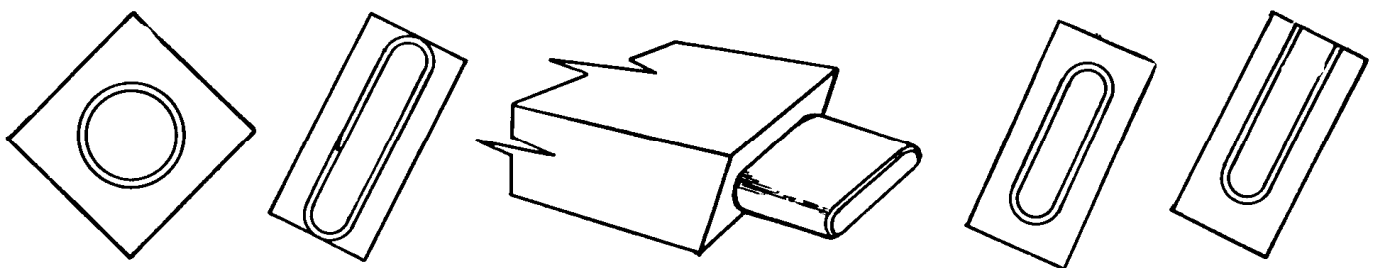
CAPACITY:

The width and thickness of the tenon is infinitely variable from $\frac{1}{4}$ " (0.6 cm) to $4\frac{1}{2}$ " (11.4 cm) wide, and $\frac{1}{4}$ " (0.6 cm) to $\frac{5}{8}$ " (1.5 cm) thick. The maximum length of tenon is $2\frac{1}{4}$ " (5.6 cm). The machine will cut a round pin from $\frac{1}{4}$ " (0.6 cm) to $\frac{5}{8}$ " (1.5 cm) in diameter. Each work station is adjustable for cutting simple or compound angles, maximum $30^\circ \times 20^\circ$.

SHIPPING DATA:

Nett weight 1426 lbs. (640 kgs). Gross weight 1792 lbs. (811 kgs).

Export case size: 55" x 44" x 54" (1397 x 1118 x 1372 mm).



We reserve the right to alter our design and equipment without notice
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