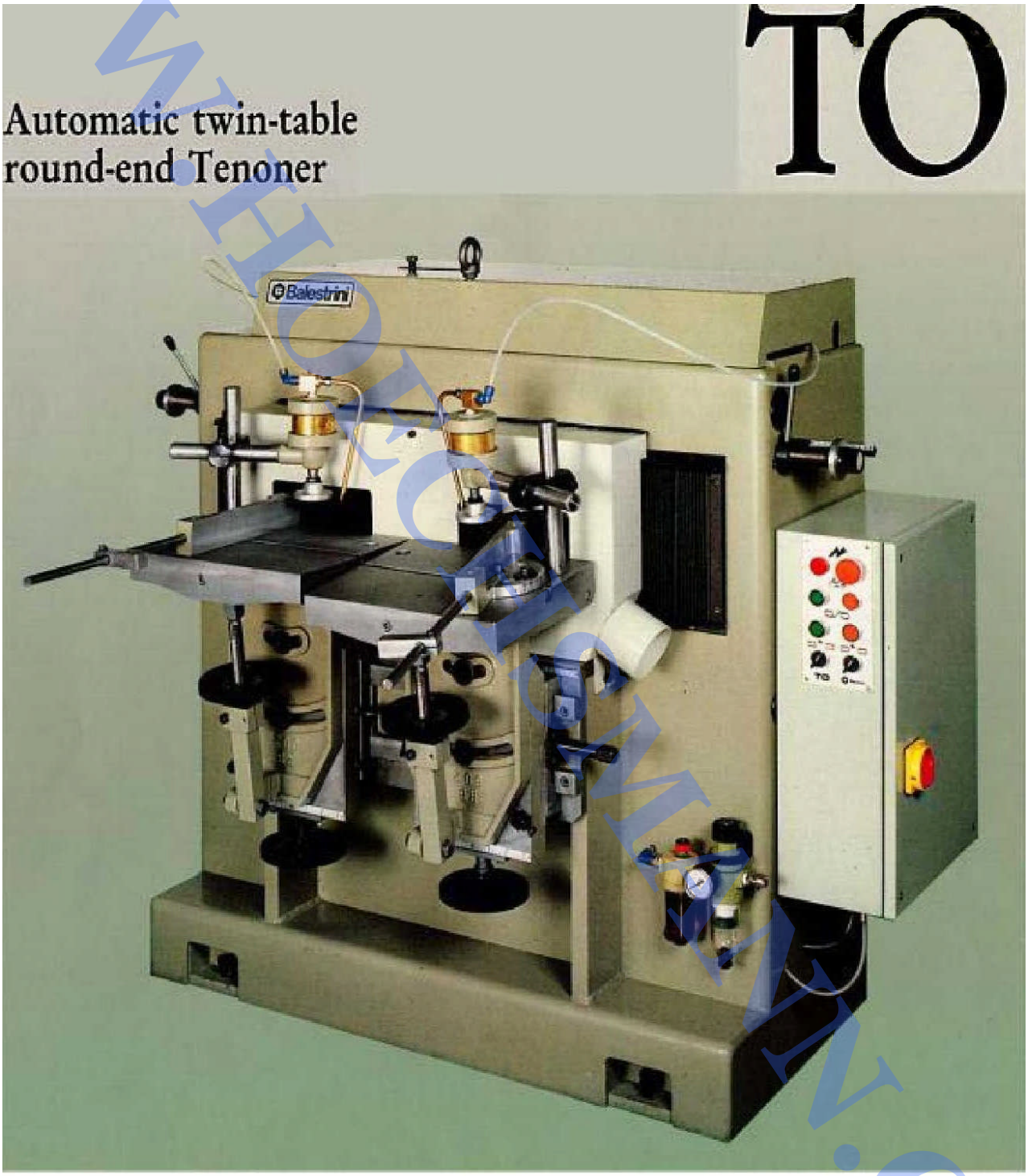
TO

Automatic twin-table round-end Tenoner



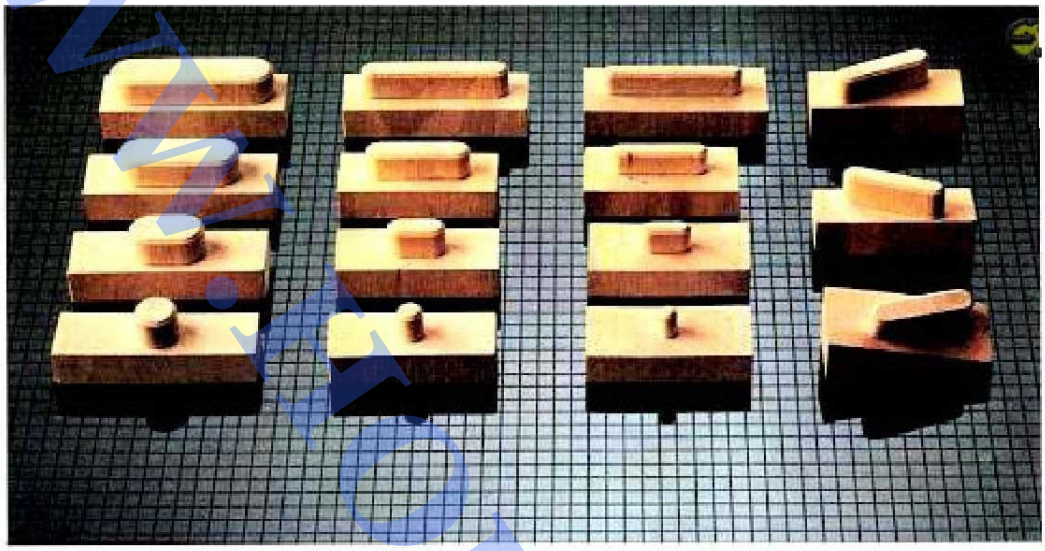
T0

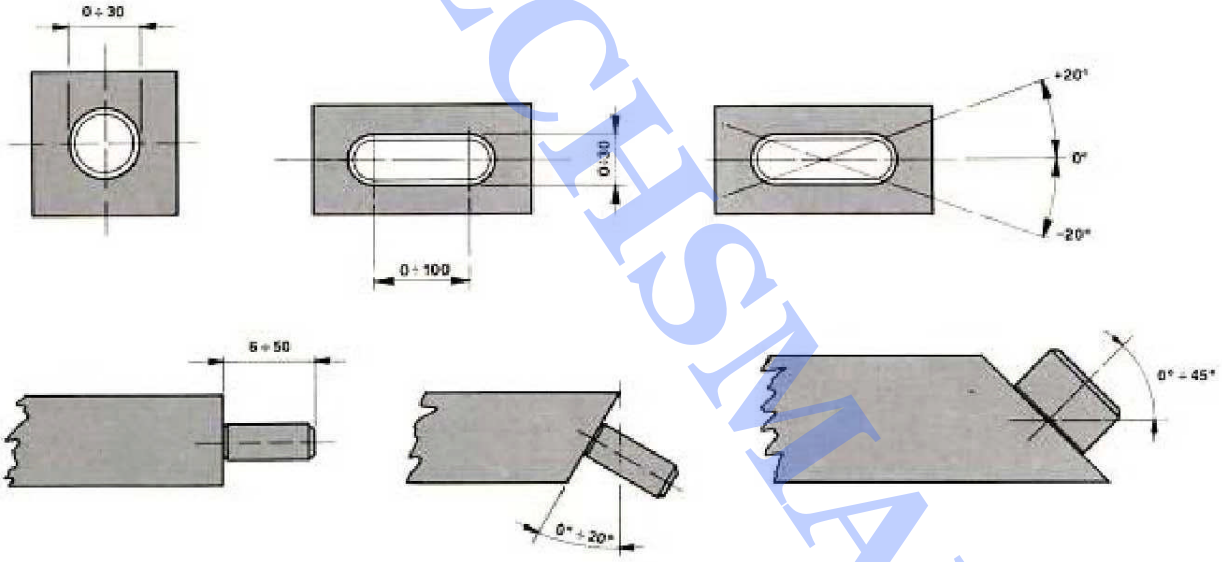
The "T0" is a very modern machine. It cuts round-end tenons with chamfered edges, which provide strong, precision joints with mortises cut on oscillating bit mortisers.
The machine is equipped with two tables which can be independently adjusted for both height and tilt. On every other two-table tenoning machine the tables are always mounted on a slide. But on the "T0" the tables are stationary and the tool moves back and forth from one table to the other.
This cycle completely eliminates idle times: the operator can load the workpiece on one table while a tenon is being cut on the other.
Since the workpiece does not move thanks to the stationary tables the "T0" is particularly suitable for cutting tenons on long parts, one end of which can rest on a special support.

The automatic cycle is microprocessor controlled and prevents splintering. Contrary to similar machines, the cutter always works with a feeding sense concordant to its rotation ensuring clean cuts even with difficult woods.
The "T0" can be set up in a flash.
Moreover, it can cut tenons having different widths and inclinations on each table: all during the same cycle.
On the control panel, selector switches can be set so dowels are made on one table and tenons on the other.
Standard equipment includes cutters with throw-away carbide tips and hogging cutter.
The mechanics of the "T0" are very simple so maintenance is kept to a minimum.

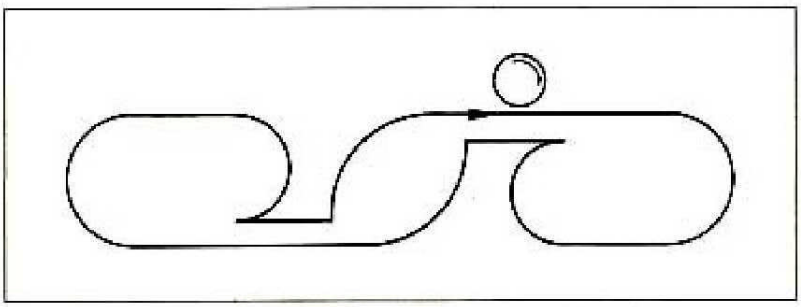
Technical details

Hourly production: 600/700 tenons
Tenon width: max 100 mm + thickness
Tenon thickness: max 30 mm
Tenon depth: max 50 mm
Tables tilting: max 20°
Workpiece leaning fence swivelling: 45°
Cutter rotation: 9000 rpm
Cutter motor: 4 HP (3 Kw)
Cycle motor: 1 HP (0,75 Kw)
Overall sizes: 1620×1000×1350 mm
Net weight: 830 Kg

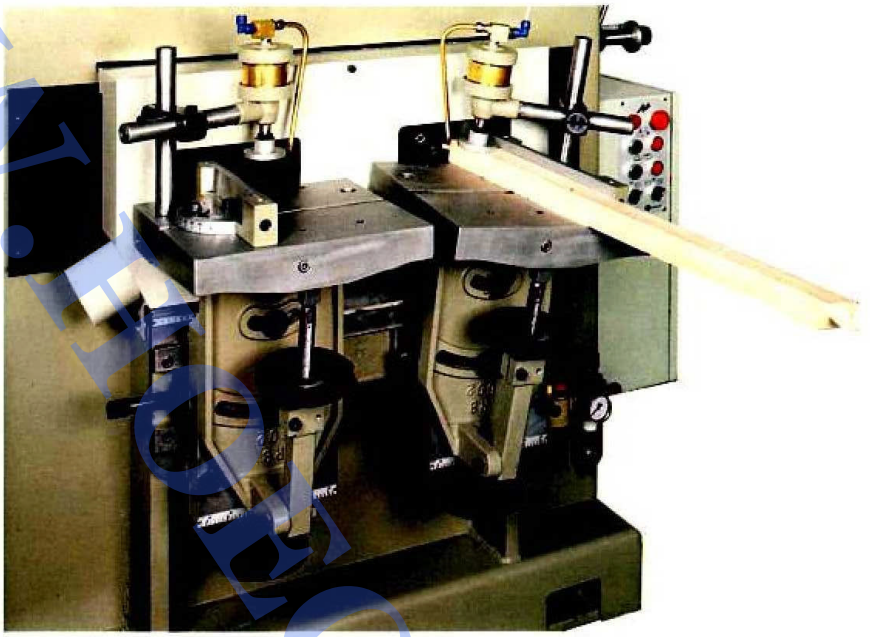




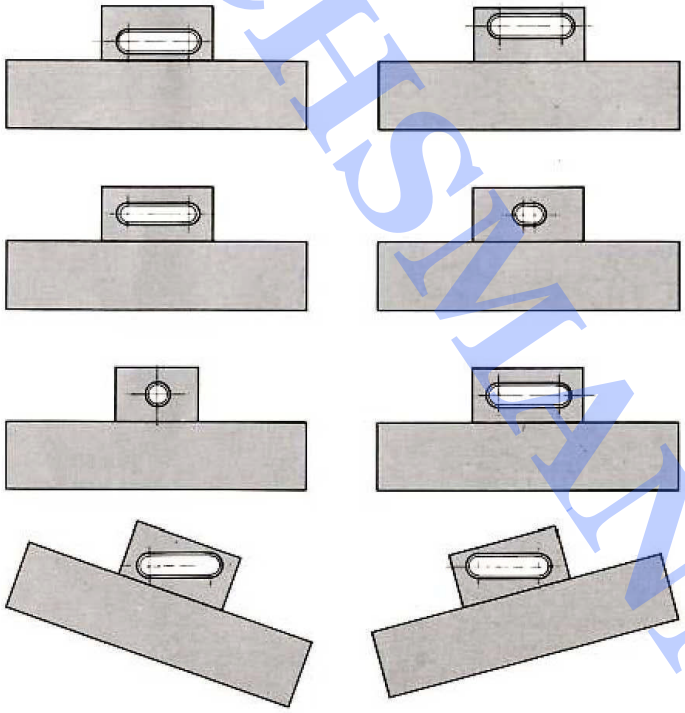
Tenon dimensions and inclinations



Representation of cutter feed with anti-splintering processing on both tables



View of a tilted table



Examples of different tenons executed on the two tables during the same cycle