

**CD-2**

## Double-sided tenoning machine CD-2

This double-sided tenoning machine has been introduced in 2007 as a modern milling machine intended for use with wood and wood-derived materials. It has been designed for making tongues and grooves, birdsmouths and tenons on both ends of workpieces. It uses a shared bed with two bodies with drive units and fixed headstocks. One of the bodies is fixed to the bed, while the other can be repositioned depending on the length of the workpiece. The spindles are installed using ball bearings which allow for operation at high RPM. Each spindle has its own cylindrical casing, allowing it to be moved in the vertical axis using a lead screw and a worm gear. The working part of the spindle is covered with a shield which also acts as a chip extractor and additional support for the spindle. Due to the large size of workpieces, the tenoning machine is equipped with a mechanical feeder and a workpiece magazine. The machine is controlled using push-buttons installed in the control panels and in additional cabinets. The feed rate can be set with precision using a potentiometer and an electronic display located in the middle of the control panel.

## Specifications

MINIMUM DISTANCE BETWEEN SPINDLE AXES	600 MM
MAXIMUM DISTANCE BETWEEN SPINDLE AXES	2400 MM
MINIMUM HEIGHT OF WORKPIECE PACKAGE FOR MACHINING	120 MM
MAXIMUM HEIGHT OF WORKPIECE PACKAGE FOR MACHINING	170 MM
MAXIMUM WORKPIECE MAGAZINE WIDTH – THICKNESS OF WORKPIECE PACKAGE	300 MM
MINIMUM THICKNESS OF WORKPIECE PACKAGE	170 MM
POWER SUPPLY VOLTAGE	400V/50 HZ
MAIN MOTORS (MILLING MACHINE)	2 X 11 KW, 2880 RPM., 230/400 V, 50 HZ
SPINDLE ROTATION SPEED	6000 RPM
SPINDLE DIAMETER	40 MM
MAXIMUM VERTICAL FEED OF SPINDLES	50 MM
SPINDLE HEIGHT	190 MM
MIN. TOOL DIAMETER	120 MM
MAX. TOOL DIAMETER	300 MM
FEED MOTOR	1.5 KW
FEED RATE – STEPLESS CONTROL	1-12 M/MIN
RIGHT-HAND FIXED HEADSTOCK FEED MOTOR	0,55 KW
FEED RATE	1,2 M/MIN
WEIGHT	220 KG