



Code	MME020
Brand	IMA
Model	BIMA 410V 140/600

CNC WORKING CENTRE FOR BORING ROUTING EDGE BANDING

GENERAL SPECIFICATIONS

- ▶ **Industrial machine with heavy-duty structure**
- ▶ Working area axes "X", "Y" axes: 6000 mm - 1600 mm
- ▶ Travel speed axes "X", "Y": 0-100 m/min - 80 m/min
- ▶ Linear speed axis "Z": 25 m/min

SUPPORTING AREA OF THE PANEL

- ▶ Working areas
- ▶ Nr. 10 movable work tables to support the panels
- ▶ Suction cups for each work table with vacuum system for the locking of the working piece
- ▶ **Facilitated loading device through pneumatic bars assembled on the work tables that lift the pieces**
- ▶ Nr. 1 vacuum pump 140 m³/h
- ▶ **Pusher placed on the movable beam, that allows to push out automatically the panel from the working field.**

The panel arrive on a side table placed on the right side of the machine, cleaning and preparing the working field for the next operation.

BORING UNITS

- ▶ Nr. 1 boring units
- ▶ Nr. 11 independent spindles for vertical boring in "X" direction
- ▶ No. 9 independent spindles for vertical boring in "Y" direction
- ▶ No. 2 spindles for horizontal boring in "X" direction
- ▶ Nr. 1 horizontal boring head with nr. 3 spindles in a cross position

ROUTING UNITS

- ▶ Nr. 1 electro-spindle in vertical position - **automatic change of the tool - "C" VECTOR AXIS that allows to turn and 360° angle drive heads with rotation regulation in automatic by numerical control - liquid cooling system -** motor power 14.5/18 Kw (1500 - 24000 RPM)
- ▶ Nr. 1 electro-spindle in vertical position

EDGE BANDING UNITS

- ▶ **Automatic device to apply the edge into straight profiles of shaped panels VT 50**
- ▶ Max. working panel height with straight edge 60 mm
- ▶ Applicable banding material in coils: thin edge and PVC up to 3 mm
- ▶ Independent unit to edge band shaped panels. It's installed on the main frame of the machine - hot-melt glue pot **and premelter** - spreading roller to regulate the quantity of applied glue - edge pression roller
- ▶ Lamp zone to pre-heat the side of the panel
- ▶ **Multiple magazine for edge coils** with nr. 2 positions, to automatically change the edge type

OTHER WORKING UNITS

TOOL CHANGER MAGAZINE

- ▶ Rear tool changer magazine with nr. 18 positions
- ▶ Angle drive head with 1 output for saw blade to cut the edge and to make cuts and groovings
- ▶ Top and bottom edge trimming head-unit
- ▶ Edge scraping head-unit

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CONTROL OF THE MACHINE AND ACCESSORIES

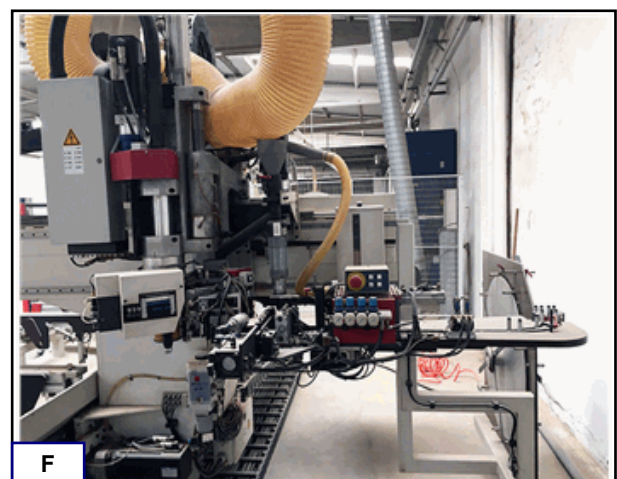
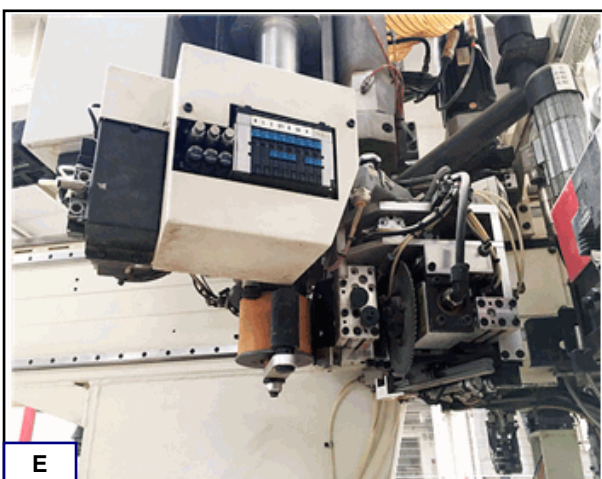
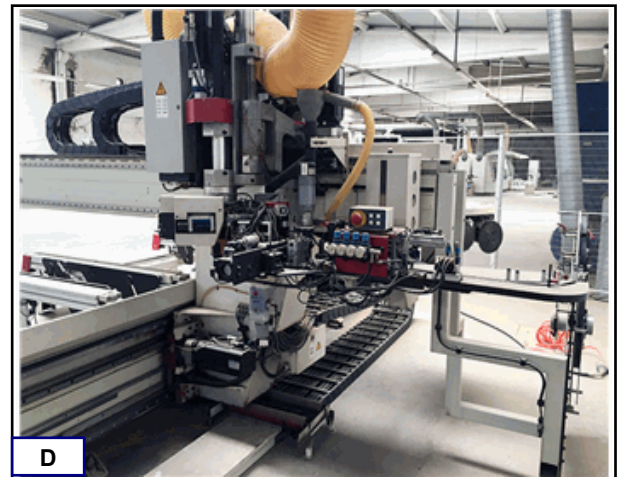
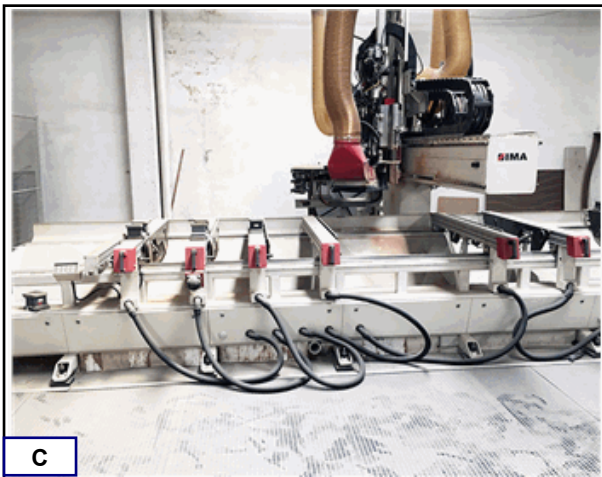
- ▶ **Control and program system** ICOS OPEN 231 + IMAWOP + IMAWINCAD with the following features: - pc - screen colour - CD-ROM reader - keyboard
- ▶ **Control of axes "X" - "Y" - "Z" - "C" VECTOR**
- ▶ Command board installed on a separated electrical cabinet to control the machine
- ▶ Separated electrical cabinet

NORM AND OPTIONAL FOR THE SECURITY

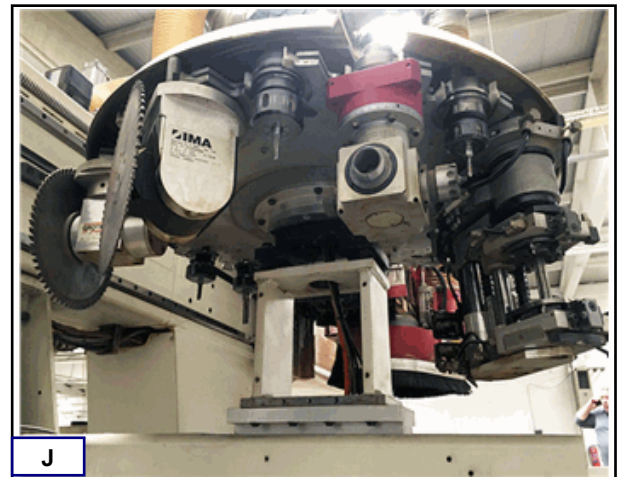
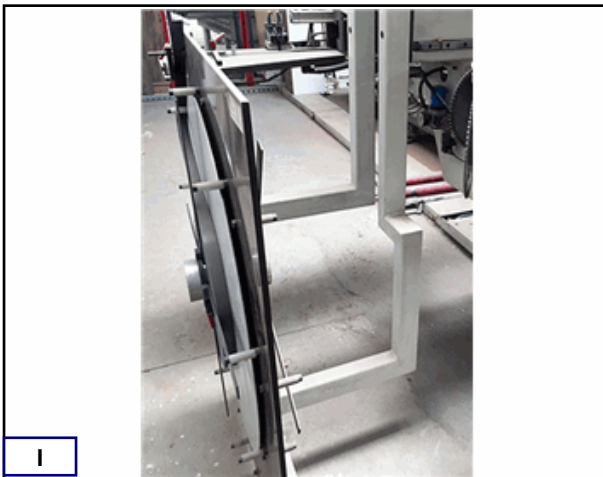
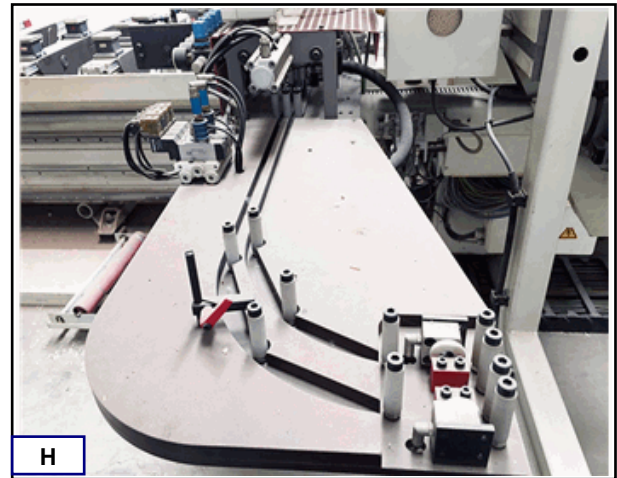
- ▶ **Security norme CE mark**
- ▶ Protection and sound-proof enclosure of the working units
- ▶ Protection grids installed on the machine
- ▶ **Automatic system to out-put the wood wastes**

Technical data will be checked when the machine will be in our warehouses

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