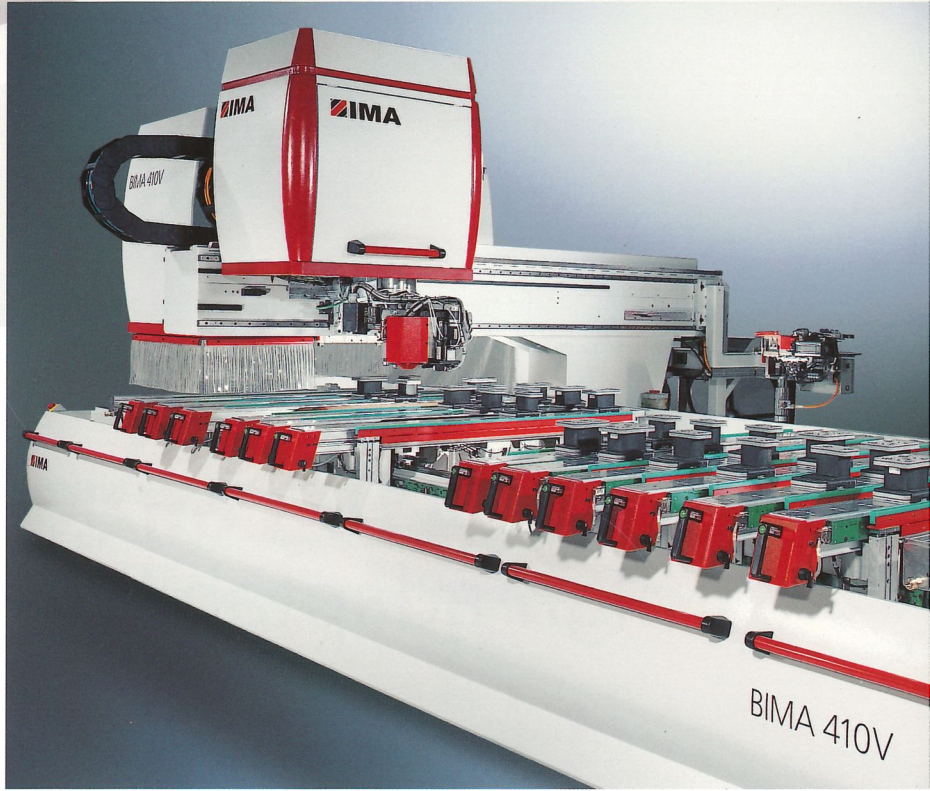
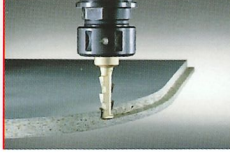


**CONCEPT *plus***



**BIMA 410 *Concept plus***

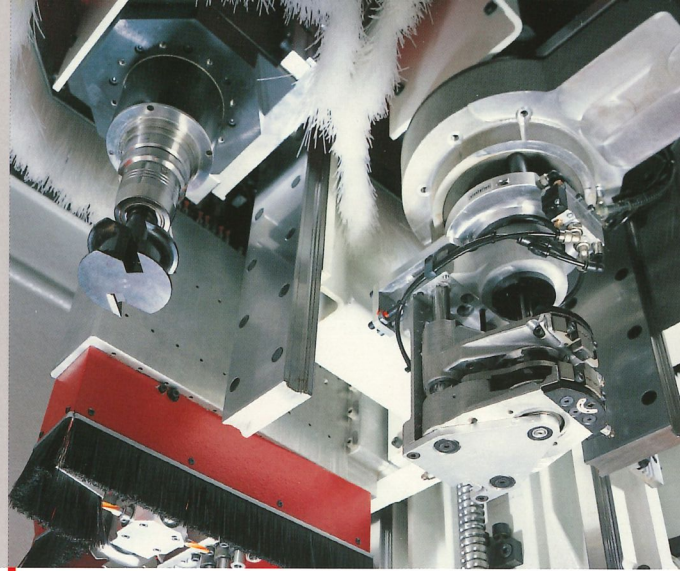
The complete allround solution



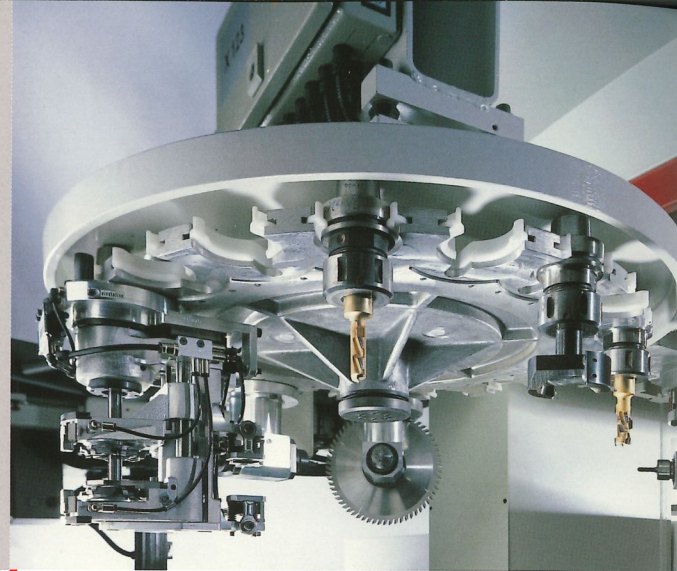
POWERFUL

COMPREHENSIVE

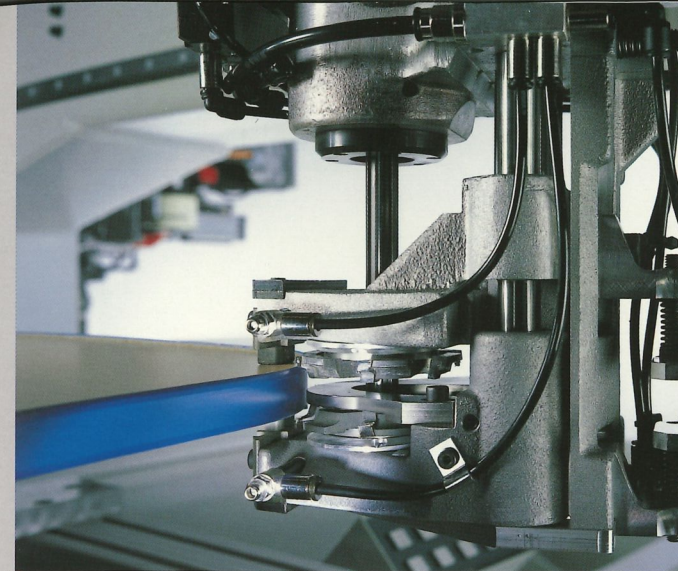
BIMA 410 *Concept plus*



Main and secondary spindle with boring unit



18-place tool changer



Combi adapter unit: flush-milling and flat scraper



Adapter unit (tiltable saw)

## BIMA 410 **Concept plus** high adaptability

### BIMA 410 **Concept plus**

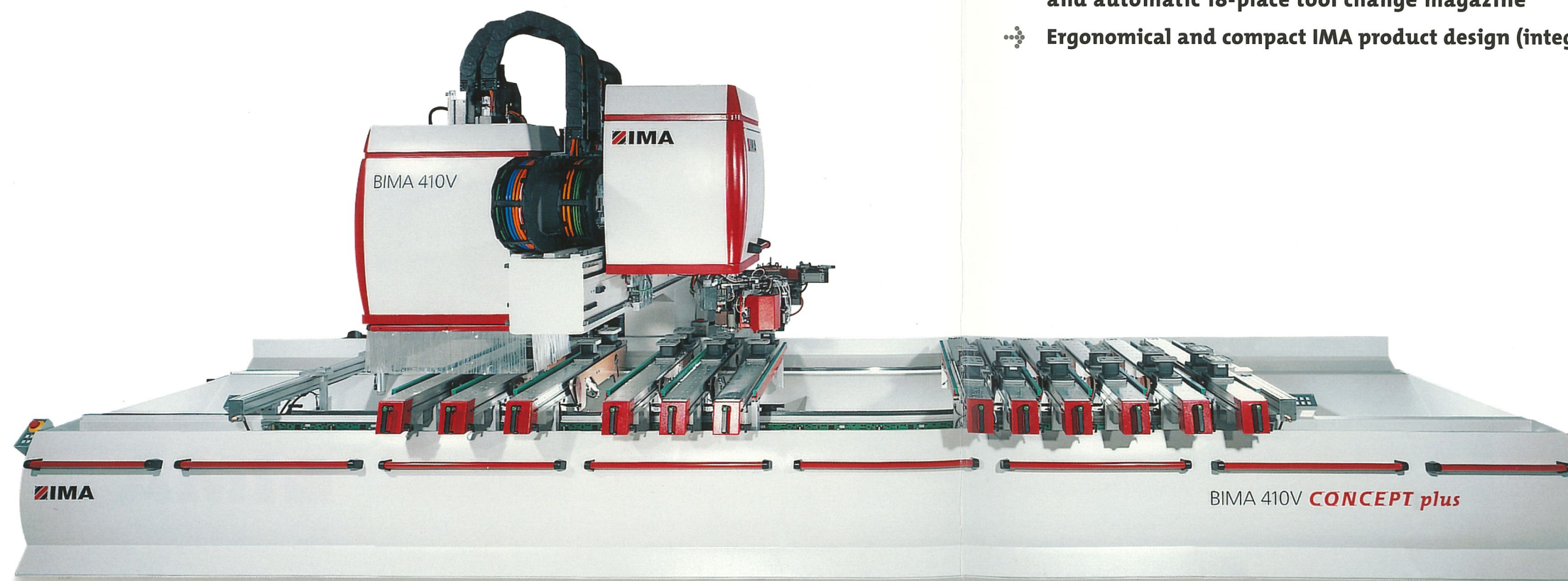
- CNC machining center for routing and drilling

### BIMA 410 V **Concept plus**

- CNC machining center for edge banding, routing and drilling

IMA presents with the BIMA 410 *Concept plus* a machining center for the high volume and batch size one production. With the build-in edge banding unit and a 18-place tool changer for various adapter units, the machine gives you the highest flexibility in your production.

- ❖ Table sizes from 3,000 to 6,000 mm according to the panel sizes
- ❖ Alternating field processing through a second series of stops in the basic model
- ❖ IMA VT 100 edge banding unit for 4-sided and 360° butt joint edge banding
- ❖ Vector-controlled main spindle, can be set from 0 – 24,000 rpm with max. torque from zero rpm and up [option], equipped with a built-in boring head, C-axis 360° and automatic 18-place tool change magazine
- ❖ Ergonomical and compact IMA product design (integration of supply cables, etc.)


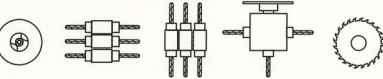


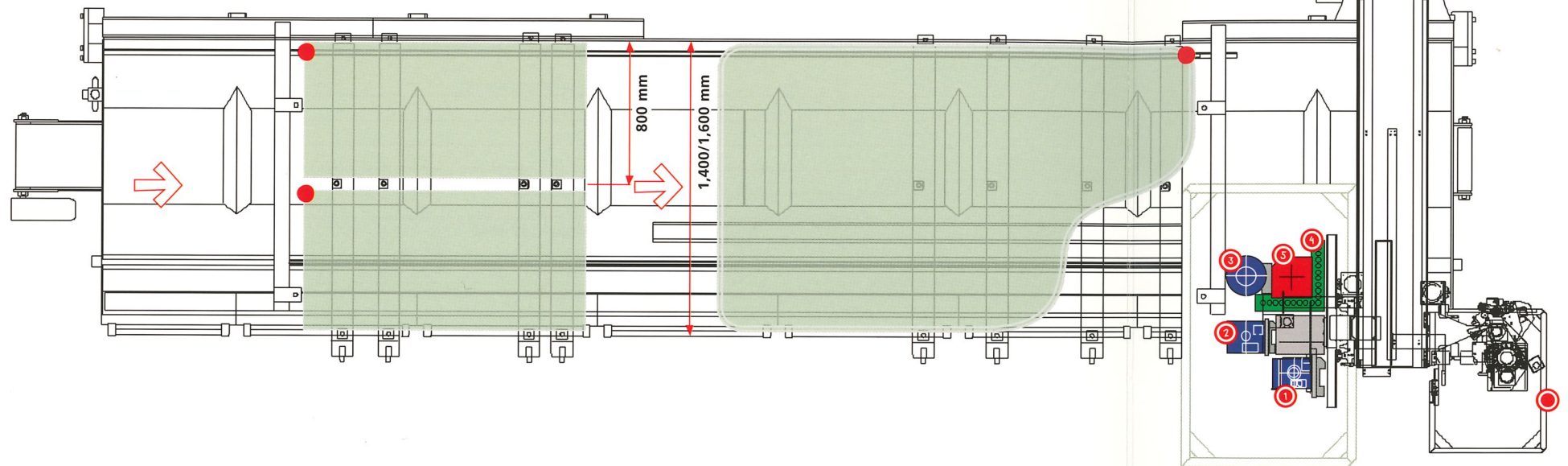
BIMA 410 V **Concept plus**

Gluing unit VT 100



TOOL PATH Y-DIRECTION

- ❶ MAIN SPINDLE
  - 1,830 mm
- ❷ SECONDARY SPINDLE
  - 1,635 mm
- ❸ ADDITIONAL AUXILIARY SPINDLE
  - 1,290 mm
- ❹ 14 OR 21 VERTICAL BORING SPINDLES
  - 1,440 mm
- ❺ ADD-ON UNITS [OPTION]
  - 1,300 mm
- EDGE BANDING UNIT
  - 1,600 mm



- ❶ Fitted with second row of positioning stops
- ❷ LED setup aid for vacuum clamping blocks
- ❸ Simplest possible handling thanks to the IMAWOP controller – direct acceptance of drawing elements for various types of processing, clear menu guidance, automatic positioning of the vacuum clamping blocks, display of machine and operational status.



PEAK OF EFFICIENCY

The machine is optionally equipped with a main spindle from 7.5 to 14.5 kW for panel sizing and contour processing and has an 18 x automatic tool change magazine for automatic access to all adapter units. Boring spindles with up to 21 positions can be used for vertical and horizontal boring operations. Useful details to boost the work flow, such as a vacuum clamping system without hoses and the advantage of a second support side to hold the VT 100

gluing unit (optionally, automatic feed from a traveling reel receptacle magazine) ensure a maximum level of user-friendliness.

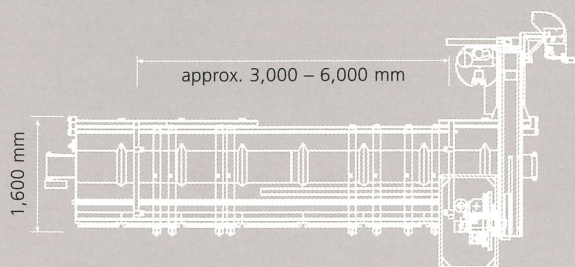
- ❖ Modular support design structure – up to three milling spindles, each with access to the 18 x automatic tool change magazine
- ❖ The use of two C-axes to hold adapter units ensures the optimised use of special solutions like i.e. the production of worktops, countertops, windows and doors.

TABLE DESIGN

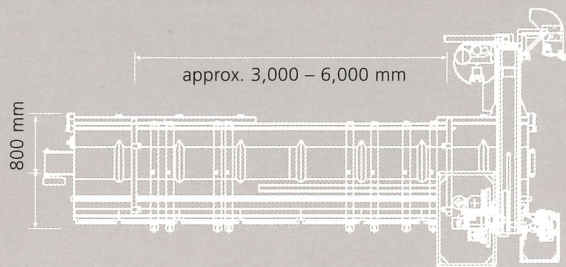
The BIMA 410 Concept *plus* has a 2nd row of stops in the Y-direction (1 back and 1 center on each support arm).

# III The profile

## BIMA 410 *Concept plus*



## BIMA 410 V *Concept plus*



### BIMA 410 *Concept plus* [Milling and boring machine]

### BIMA 410 V *Concept plus* [Gluing, milling and drilling machine]

#### WORKING RANGE

X	3,000 / 4,000 / 5,000 / 6,000 mm	3,000 / 4,000 / 5,000 / 6,000 mm
Y	1,400 mm	1,400 mm

#### MACHINE

Main spindle power	7.5 / 12 kW / 14.5 kW respectively, vector-controlled	7.5 / 12 kW / 14.5 kW respectively, vector-controlled
Tool changer	18 x	18 x
Plate	Traveling in x	Traveling in x
Vertical drills	14 or 21 C-axis 360°	14 or 21 C-axis 360°
Sound level	Operation under no load < 80 dBA [depending on the tool, feed rate and material]	Operation under no load < 80 dBA [depending on the tool, feed rate and material]
Central extraction connection	Ø 250 mm	Ø 250 mm

#### OPTION

Auxiliary spindle	7.5 / 12 kW / 14.5 kW respectively, vector-controlled	7.5 / 12 kW / 14.5 kW respectively, vector-controlled
Additional spindle	6 kW	6 kW
Horizontal drills (add-on unit)	Max. 12	Max. 12
Grooving saw	Can be swiveled by 90° LED setup aid	Can be swiveled by 90° LED setup aid
	Various adapter units	Various adapter units
	Chip removal belt	Chip removal belt
	Controlled supporting rails	Controlled supporting rails
	Central extraction with cutoff slide valve	Central extraction with cutoff slide valve and traveling tape magazine
Area of work Y	1,600 mm	1,600 mm
Further optional extras on request		

Subject to technical alterations and developments. The offer, respectively order confirmation are in any case the only relevant machine discription. The photographs may show the machine without complete safety equipment. However safety equipment will be supplied. Photographs may show options, which are not part of the standard execution.

Date 04/2003



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