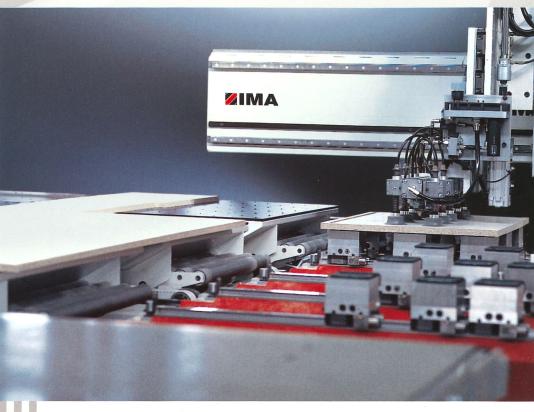
CONCEPT plus

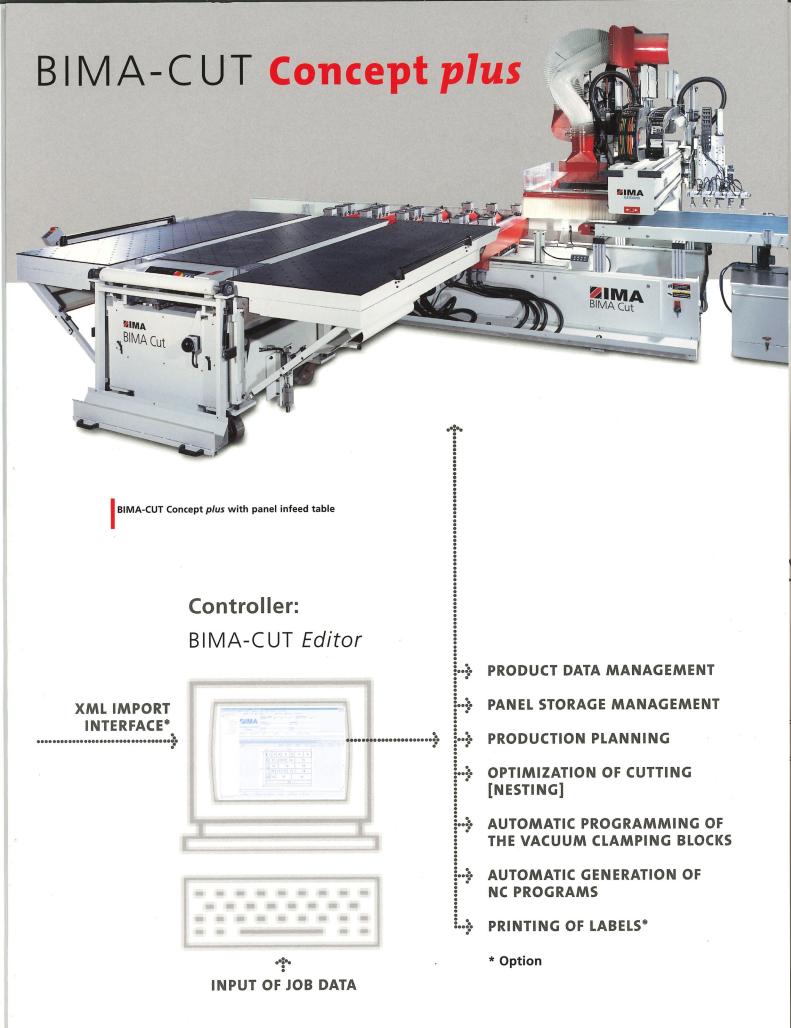


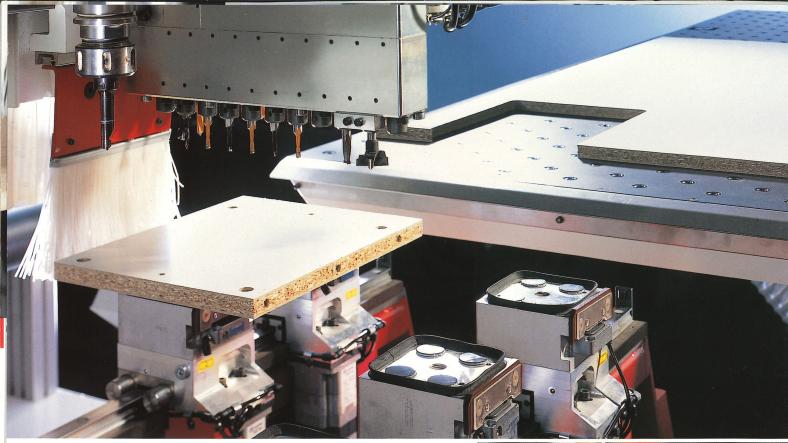


BIMA-CUT

Automatic workcenter with panelsizing and nesting functions





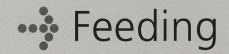


BIMA-CUT Concept *plus* – a combination of machining center and panel saw – for the "built to order" production in the cabinet furniture industry.

- "Mass production" and "small batch size production"
- •• Capacity approx. 300 350 parts per shift
- Patented vacuum clamping technology with
 vacuum clamping blocks controlled individually
 by programming and monitoring function
- BIMA Fastcut System for the immediate operation of single parts
- Optimal integration into the "IMA Mini-factory"
 IMA SystemLine



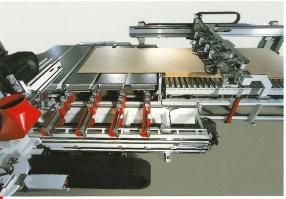






Automatic feeding

Feeding of panels from the stack of panels by a roller table lift with panel pusher



Roller table lift

Manual feeding



Feeding with a tilting device



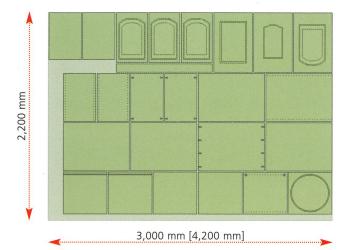
Feeding with vacuum lifting unit

Cutting patterns/nesting

Automatic complete processing from the large size panel

Sizing - routing - drilling - grooving

BIMA-CUT nesting technology

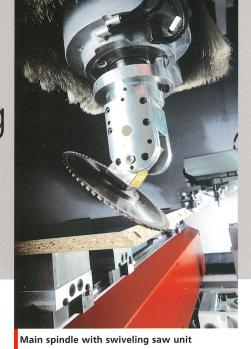


- Max. panel size [depending on machine type]
- Machining time approx. 45 90 seconds per part [depending on the scope without machine operator in automatic operation]

•• Machining of individual parts

from leftover or precut panels with the BIMA **Fastcut System**



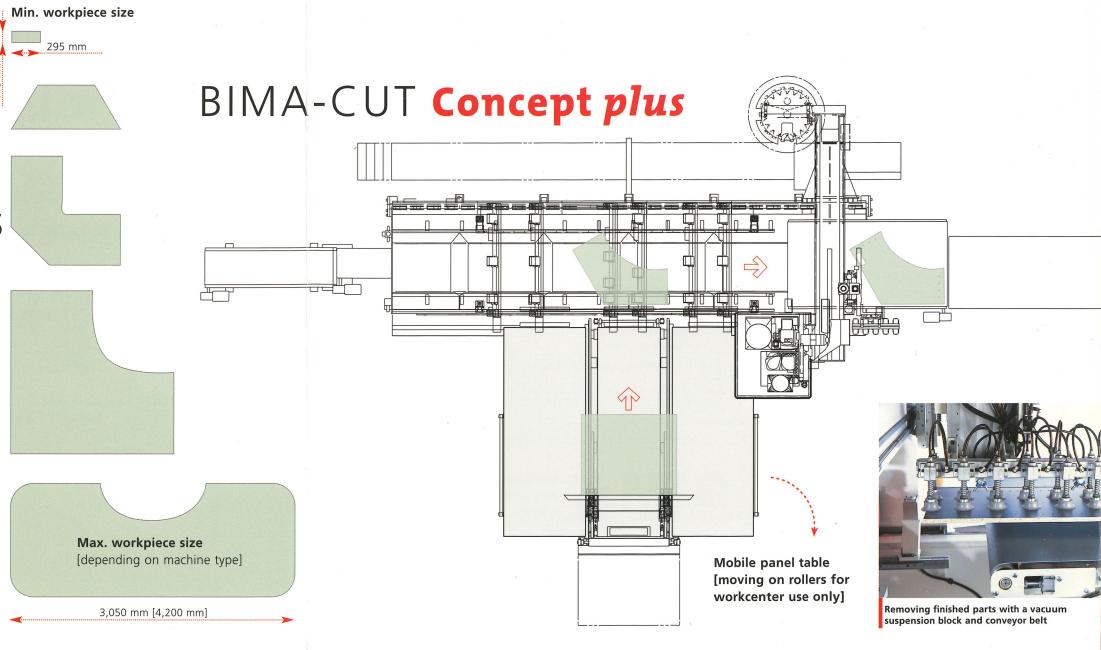








Milling + drilling





Main spindle with horizontal drilling unit



MAIN SPINDLE

- 7.5 kW / 12 kW*
- C-axis

AUTOMATIC TOOL CHANGE MAGAZINE

18 x

DRILLING UNIT

21 spindles

HORIZONTAL DRILLING UNIT

4 spindles with grooving saw*

ADDITIONAL MILLING UNIT

- 4.4 kW; n = 12,000 rpm
 - * Option



Completion





Barcode marking

Fully automatic production with the IMA Mini-factory

The system for the cost efficient production of individual pieces of furniture in the office and kitchen industry, store fixtures, closet furniture, laboratory and dental furniture:

- STORAGE SYSTEMS WITH **SLIDING PANELS**
- PC PLANNING AND PRODUCTION SYSTEM
- **BIMA-CUT**
- **EDGE BANDING MACHINE:** E.G. ADVANTAGE 7216 7220
- **INSTALLATION WORKSTATIONS**

BIMA-CUT **Concept** *plus*The profile

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	BIMA-CUT	
WORKING AREA		US-standards
X	3,050 / 4,200 mm	10' / 13 3/4'
Υ .	1,220 [Option 1,400 mm]	4'
Z	8 – 38 mm with automatic infeed	⁵ /16" - 1 ¹ /8"
	8 – 80 mm with manual feeding	5/16" - 31/8"
SPACE REQUIRED		
	for $X = 3,000 \text{ mm} - \text{approx}$. 60 m ² [10.0 m x 6.0 m]	645 sq. feet
	for X = 4,200 mm – approx. 70 m² [11.5 m x 6.0 m]	750 sq. feet
BAA CHINE		
MACHINE Supporting rails	6 of each with 3 vacuum clamping blocks	
Main spindle	7.5 / 12 kW at 100% duty cycle (S1)	
Automatic tool change magazine	18x	
Tool holder	HSK 63 F DIN 69893	
Vertical drill	21 (11 in X; 11 in Y)	*
Central extraction	Ø 300 mm	1′
Noise level – no-load running	< 80 dBA	
	1	
WORKPIECE		
Panel dimensions	length 2,800 / 4,200 mm (X-axis)	10' / 13 3/4'
	width 2,200 mm (Y-axis)	7'
Workpiece as individual piece, max.	length 3,000 / 4,200 mm; in two-panel loading 900 mm	10' / 1'3 3/4'
	width 1,200 mm	4'
Workpiece as individual piece, min.	length 295 mm	1′
	width 115 mm	41/2"
CONNECTION VALUES		
Extraction	for V = 28 m/sec – approx. 7,200 m³/h	92' per sec = 250,000 cubicfeet/hour
	underpressure = 1,100 mPa related to 20 m/s	22 pc 3cc = 230,000 cusicioco (10di
Compressed air connection	6 bar	87 psi
	1	
Compressed air consumption	approx. 1,200 NL/min.	

^{*} Other configurations available on request

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



Electrical connection values



rated capacity approx. 33 kW/54 A; voltage: 3N/PE 50 Hz 400/230 V* *

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