

VERTICAL CUTTING MACHINE TYPE ASL - FULLY AUTOMATIC FOR FLEXIBLE- AND LIGHT BONDED FOAM



The HYMA Vertical Cutting Machine Type ASL- Fully Automatic.

The HYMA vertical cutting machine type ASL is a fully automatic, high capacity, vertical cutting machine for serial production of various rectangular shaped items from foam blocks of all sizes.

The HYMA type ASL machine is the ideal production machine for repeated cutting of sheets, cushions, sponges, and a variety of other items where accuracy is essential.

The HYMA type ASL Vertical Cutting Machine is constructed in a number of modular elements enabling high degree of customizing the machine to meet specific requirements, but utilizing well proven mechanical parts and functional systems at reduced production time.

Equipped with double- or single edged bandsaw, the ASL machine is well suited for cutting of semi rigid and rigid foams as well as insulation materials like mineral wool etc.

Of many remarkable qualities of this well proven automatically operated vertical cutting machine, following essential facilities can be mentioned:

- Fully automatic operation
- Programmable sequencer for a pre-set number of different cutting widths (maximum 10) in one production cycle.
- Digital indication of the distance between band knife and materials carrying rest-plate.
- Safety system to avoid contact between rest-plate and knife and blade guard.

- Optional with air-floating tables (inside and out-side) for easy handling of heavy blocks.
- Optional with turn table in outer table for accurate 90 degree turning of materials for second cutting procedure (advisable for sponge or smaller size sheet production).
- Optional tilt of outer rest plate for easy loading of blocks (manually or motorized remote controlled).

The ASL Vertical Cutting Machine present one of the best choice for cost effective and accurate cutting of flexible foam and insulation materials.

STANDARD EQUIPMENT:

- Stationary table with aluminium covered table-top.
- Motorised movement and digital position indication of rest-plate inside (tolerance +/- 1mm pr. 1000 mm travel).
- Motorised cutting section with soft movement on section start and -stop.
- Cutting section with four dynamic balanced blade-wheels, centrally suspended between precision bearings.
- Electric blade drive motor.
- Twisted double-edge ground band knife.
- Adjustable blade guides above and below table-top.

- Blade tension control with indication lamp and automatic cut-out of blade drive motor on blade slackness and -breakage.
- Friction grinding apparatus with two adjustable cup-stones.
- Manual height-adjustment of blade guard and adjustable tungsten blade guide above and below table.
- Control panel with Programmable Logic Controller (PLC) and standard programme.
- Mode for automatic-, semi-automatic and electric push-button control.
- Mode for single cut or cutting in forward and reverse movement of the cutting section.
- Mode for cutting blocks from table inside towards table outside, and vice versa when equipped with rest-plate outside.
- Electronic counter for pre-selection of cutting width: 2-999,9 mm.
- Electronic counter for pre-selection of number of cuts: 0-999.
- Programmer for pre-selection and gradual cutting of 10 different cutting widths with associated number of cuts.
- Electronic pre-selection with remote control of cutting length: 1000 mm - table length (setting tolerance +/- 1mm).
- Display for programming and programmed data.
- Infinitely variable travel speed of cutting section: 0-45 m/min.
- Safety guards of standard mesh type (front and back side) to protect for running cutting blade

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HYMA

**COMPLETE SERVICE
FOR THE FOAM INDUSTRY**

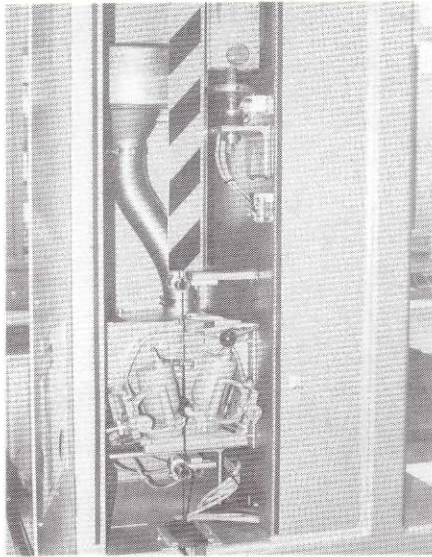
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STANDARD DIMENSIONS:

Cutting length:	2200mm
Table width outside:	1250mm
Table width inside:	1250mm
Cutting height:	1250mm
Rest-plate height:	750mm

POWER SUPPLY:

380 Volts, 3-Phase, Neutral, 50 Cycles, 4,6 KW.



Electric grinding apparatus and grinding dust exhaust system

ALTERNATIVE DIMENSIONS:

Cutting length:	2500mm or 2850mm or 3100mm
Table width outside and inside:	500mm or 2200mm or 2500mm
Table width outside only:	1500mm or 2200mm
Cutting height:	1500mm
Rest-plate height:	1000mm



HYMA Type ASL Machine with Air Flotation Ind & Outside Table

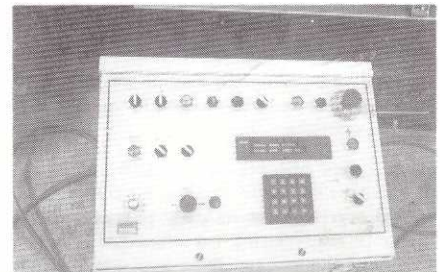
OPTIONAL EQUIPMENT:

- Rest-plate outside with hand-wheel pre-adjustment, coupler for synchronization with rest-plate inside and release lever for tilting into table extension.
- Motorised tilt and rise of rest-plate outside.
- Turn-table in table-top outside for 90 degree rotation of conversion material.
- Air floatation system in table-top.
- Loading- and unloading conveyer incorporated in table-top.
- Angle-adjustment of rest-plate inside.
- Motorised height-adjustment of blade guard inclusive the fine-adjustable upper roller blade guide.
- Electric grinding apparatus and grinding dust exhaust system.
- Optical inspection of blade grinding.
- Table top coated for reduced friction and reflexes (anodized brown B1 colour).
- Extra large mesh door types safety guards (front and back side) to protect for running cutting blade.
- Electric motors and control equipments to meet other standards than EEC norm spec. (like 60 hz, UL-approved etc.).
- Prepared for saw installation as alternative function with dust extraction system and break saw motor (only for limited use for occidental cutting of higher density foam and insulation materials).

- Set of double-sided saw blades (5 blades) for cutting in both directions.
- Set of single-sided saw blades (5 blades) for cutting in one directions.
- Rotating blade back guide for single-edge band saw.
- Saw-dust extraction unit type ZDE.



Motorized height-adjustment of blade guard.



Control Panel with Joy-Stick Operation and Programmer.



Restplate outside with motorized tilt and rise.

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