

# ROTARY STACK-SLITTING MACHINE

## TYPE SCH - FULLY AUTOMATIC

FOR FLEXIBLE FOAM AND LIGHT BONDED FOAM  
-AND SEMI-RIGID AND RIGID FOAM



The HYMA Rotary Stack Slitting Machine, Type SCH-640

The range of horizontal slitting machines includes the Rotary Stack Slitting Machine, Type SCH, for flexible and light bonded foam.

When equipped with band-saw blade this machine is suited for slitting of semi rigid and rigid foam.

The SCH Rotary Stack Slitting Machine is based on HYMA's well proven Type SSH splitter of which more than a hundred are operating successfully throughout the world.

*The SCH is a technically advanced machine for automatic slitting of full height blocks. It is equipped with a rotary table for continuous slitting without reverse movement, which ensures the highest possible cutting capacity.*

The standard machine is supplied with emery covered rotary table and equipped with all necessary features for normal production.

The machine is prepared for and can be delivered with several extra features (options) such as a vacuum rotary table, and an internal and an external air floatation table for easy handling of foam blocks during loading and unloading of the machine.

The possibility for cutting of thin

sheets with the cutting set in decent mode (spiral cutting) gives high productivity.

Of the outstanding features of the SCH -Machine, the following can be mentioned:

- *multi-programmable PLC controller*
- *pre-programmable adjustment of slitting angle*
- *electric tension control and warning light for knife guide (PTFE coated) and blade*

- *large diameter and double suspended knife wheels*
- *noise-low transmission of table rotation*
- *reduction of floorspace in comparison to a conventional solution*
- *spiral cutting (optional)*
- *vacuum system in slitting area (optional)*
- *airfloatation system in loading/unloading area (optional)*



Easy loading and unloading of blocks with airfloatation table

The company policy aims at continuous improvement of the products, and therefore all rights to change the design and specifications without notice are reserved.

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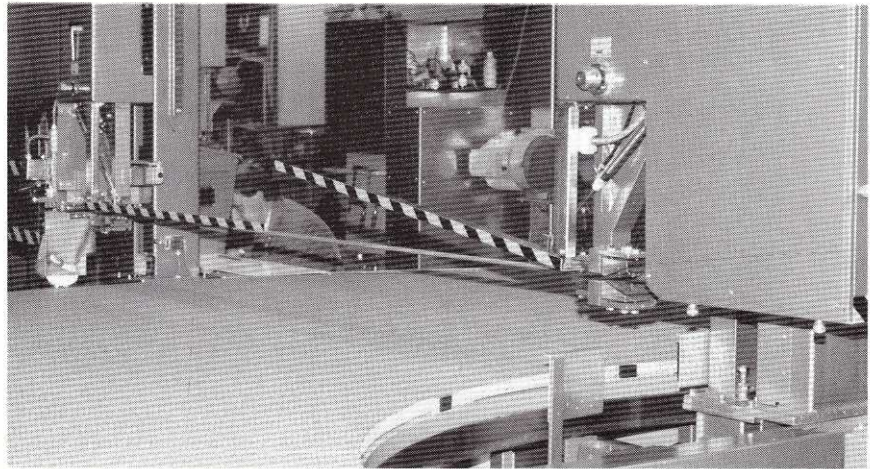
**COMPLETE SERVICE FOR THE FOAM INDUSTRY**

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**FOR FLEXIBLE FOAM AND LIGHT BONDED FOAM  
--- SEMI-RIGID AND RIGID FOAM**

### STANDARD EQUIPMENT:

- Rotary slitting table with emery covered table-top.
- Slitting table with circumference friction-drive and soft movement on table-start and -stop.
- Infinitely variable table speed control: 0,2-5 r.p.m.
- Beam sensor for automatic control of slitting cycle.
- Slitting section with four dynamic balanced blade-wheels, each suspended between two adjustable bearings. Blade-wheel diameter: 500 mm.
- Motorized slitting section suspended in duplex transmission chains.
- Tensioned teflon (PTFE) coated blade guide with tension control and indication lamp.
- Electric blade drive motor.
- Single-edge ground band-knife with tension control, indication lamp and automatic cut-off on blade slackness and -breakage. Band-knife width: 40 mm.
- Automatic control of blade safeguard.
- Electric grinding apparatus with two adjustable cup-stones and automatic lift on blade switch off.
- Diamond dresser and grinding dust exhaust.
- Electric adjustment of slitting angle: -2/+8 degrees.
- Control panel with Programmable Logic Controller (PLC) and standard programme.
- Mode for automatic- and electric push-button operation.
- Electronic counter for pre-selection of slitting thickness: 2-999,9 mm.



*The Cutting Section with Blade Guide and Safety Guards.*

- Electronic counter for pre-selection of number of table-revolutions: 1-999.

### STANDARD DIMENSIONS:

Slitting height: 1250 mm  
Table diameter outside: 6400 mm  
Nominal working width: 2300 mm  
Stacking height: 1250 mm

### POWER SUPPLY:

380 V, Three-Phase, Neutral, 50 Cycles, 12 KW.

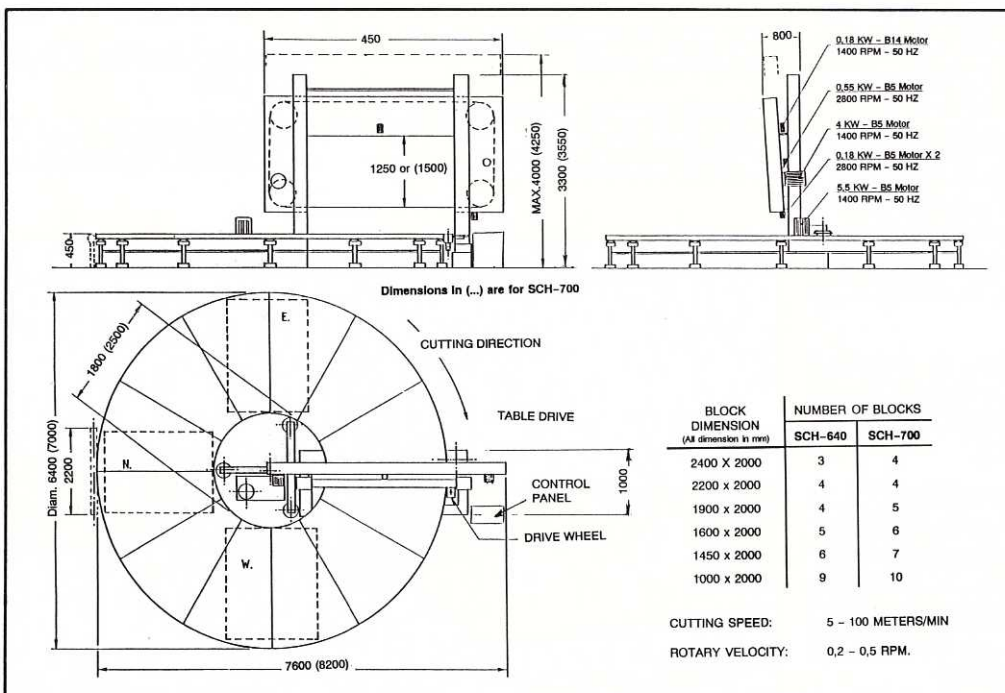
### ALTERNATIVE DIMENSIONS:

A01 Slitting- and stacking height: 1500 mm  
A02 Table diameter outside: 7000 mm

### OPTIONAL EQUIPMENT:

- E01 Vacuum system in slitting area.
- E02 Air floatation system in table.
- E03 External table with air floatation system.
- E04 Block loading- and unloading control.
- E06 High-speed table rotation on unloaded table area.
- E07 Gradual descent of slitting section during cutting.
- E08 Programmable multiple thickness counter.
- E09 Automatic adjustment of slitting angle.

- E10 Add-on blade back guide.
- A03 The machine built in saw version including:
  - A03.1 Single-edge toothed band-saw.
  - A03.2 Slitting section prepared for saw-dust extraction.
  - A03.3 Hand-wheel height-adjustable block pressure rollers, one in front and one behind the blade.
- AE01 Motorized height-adjustment of block pressure rollers.
- AE02 Infinitely variable blade speed control: 35-65 m/sec.
- AE03 Saw-dust extraction unit type ZDE.



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