PROFILE SLITTING MACHINE TYPE PSH - CONVOLUTER

FOR FLEXIBLE FOAM AND LIGHT BONDED FOAM





Profile Slitting Machine Type PSH-150 with infeed table.

The quickest and most precise conversion of flexible foam into sheets is best done on horizontal slitting machine.

Profiled components are a fascinating product which can be used a large numbers of different ways; as sandwiches for mattresses, pillows, and pillows with granule fillings, for noise absorption, for packaging etc.

Of outstanding features of the PSHmachine the following can be mention:

- Great selection of profile patterns.
- The profile wheels, in sets can be exchanged on the profile shafts.
- Exchange of profile patterns is simple as the machine is equipped with quick release coupling for the shafts.
- Hydraulically driven rollers prevent overload and allow variable speed adjustments to requirements.
- Centrally suspended knifewheels ensure maximum life of the slitting knife.

The machine is of rigid welded steel construction with heavy duty gib and profile roller shafts with variable speed setting.

The blade wheels are suspended between precision bearings.

Handwheel height and longitudinal adjustment of profiling shafts with gauge readings.

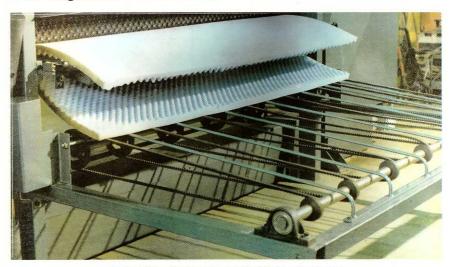
The blades are of single-edge ground type and the machine is equipped with electrically operated grinding apparatus with double cylindrical grinding stones.

The rigid knifeguide is has a backguide covering the full width of the kni-

feguide and the special hard metal wearplates are simultaneous adjusted to compensate for down grinding of the blades.

The distance between knife edge and profile wheels is adjusted by means of a handwheel to allow easy adjustment of profile depth without readjusting the position of the profile wheels.

The machine is equipped with safety guarding.



Profile Slitting Machine Type PSH-220 with exit conveyor.

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STANDARD EQUIPMENT:

- Stationary heavy-duty slitting section with two dynamic balanced blade-wheels, each suspended between two adjustable bearings.
- Electric three-phase blade drive motor: 4 KW.
- Single-edge ground bandknife.
- Friction grinding apparatus with two adjustable cylindrical grinding stones.
- Heavy-duty reinforced profile blade gib, with handwheel adjustment.
- Handwheel adjustable blade back guide.
- Hydraulically powered profiling shafts with infinitely variable travel speed: 0-40 m/min.
- Handwheel adjustment of profiling shafts and gauge for position reading.
- One pair of shafts for mounting of profilingwheels. Shaft diameter: 100 mm.
- In-feed roller, driven by motor.
- Change-over switch for reversing feed direction of material.
- In-feed table with handwheel height adjustment.
- Motorized exit conveyor.
- Control panel incorporated in left hand side of slitting section.

STANDARD DIMENSIONS:

Cutting width: 1500 mm

Working height, adjustable: 10-200 mm

Profiling-wheel diameter, max.: 220 mm

Profiling-wheel diameter, min.: 130 mm

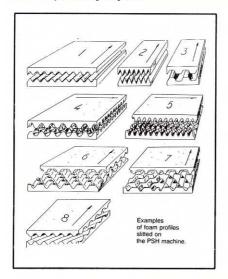
In-feed table length: 2000 mm

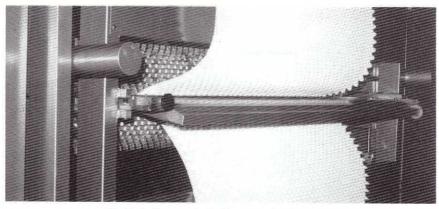
Out-feed conveyor length: 1100 mm

Maximum weight of materiale: 250 kg

POWER SUPPLY:

220/380 Volts, 50 Cycles, 7 KW. Built in hydraulic pump unit.





The Centrally suspended knife and set of profile wheels.

ALTERNATIVE DIMENSIONS:

E01A Profiling-wheels type 4-1, shaft

E01B Profiling-wheels type 4-1, shaft

diameter 120 mm, (small-figured "egg-

E02A Profiling-wheels type 4-2, shaft

diameter 100 mm, (large-figured "egg-

E02B Profiling-wheels type 4-2, shaft

diameter 120 mm, (large-figured "egg-

E03A Extra shafts, diameter 100 mm,

E03B Extra shafts, diameter 120 mm,

for mounting of profiling wheels.

for mounting of profiling wheels.

ting, diameter 100 mm.

ting, diameter 120 mm.

E04A Knurled feed-shafts for split-

E04B Knurled feed-shafts for split-

diameter 100 mm, (small-figured "egg-

OPTIONAL EQUIPMENT:

A01 Cutting width:

box" profile).

box" profile).

box" profile).

box" profile).

2200 mm

with peeling/profile slitting speed, and with separate speed control to adjust sheet tension.

E05 Sheet rewind unit, synchronized

☐ E06 Different voltage.

For profile slitting of high density bonded (chip) foam and material weight higher than 250 kg type PSH-H is recommended.

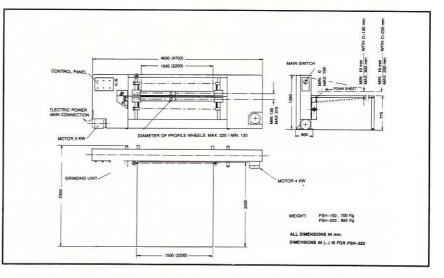
The HYMA program further contains following Slitting Machines:

Four Wheels for full stack height:

- Type SBH automatic w/belt for installation in production lines.
- Type SCH automatic with rotary table for multi-block slitting.

Two Wheels for limited stack height:

- ☐ Type SSN automatic, with moving table, limited stacking height.
- ☐ Type SSG auto/man, with slitting table for single sheet cutting.
- ☐ Type SSB auto/man, heavy-duty for Bonded Foam.
 - Type SSP auto/man, with saw for rigid foam and mineral wool.



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