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Pulp Molding Machines HPMM Series

BIGBANG



Process

The HIRSCH Pulp Molding Line includes a fiber preparation system in which paper of various qualities is dissolved with water into a fiber suspension (pulp). This pulp is formed in a molding station with a mold, pre-dried and transferred to a drying tunnel. The final step of the production process is a press for the final shaping of the sustainable packaging part.

Solution

HIRSCH offers a complete solution for your requirements through its in-house mold-shop where the appropriate molds for the desired end product are developed, designed and constructed. Before the machine and mold go to the customer, extensive testing takes place.

Benefit

The HIRSCH Pulp Molding Line enables the economical production of fiber castings in high volumes. The machine allows the production of molded parts with a wall thickness of up to 6 mm, which guarantees safe transport even for heavier goods (f.e.: white goods).

Ideal for

- Economical production of packaging parts
- Sustainable products
- Production of high quantities
- Thick walls up to 6 mm



S H A P E M O L D I N G P R O C E S S



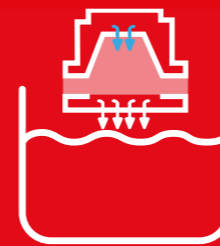
Raw Material
Possibility to use different material qualities (primary or secondary fibres).



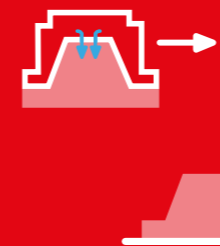
Fiber Preparation
Various preparation stations reduce the fiber concentration to 1 - 1.2% before it comes to the shaping station.



Forming
The lower mold half plunges into the fiber suspension tank and sucks on the material with vacuum to form the part.



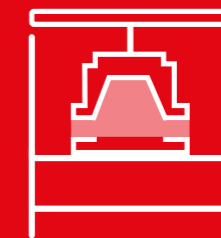
Pre-Drying
After the mold emerges from the tank, the part will be dried by vacuum and air.



Transfer
The upper mold half takes the pre-stabilized part off the lower mold half and transfers it to the drying tunnel.



Drying Tunnel
In this process, the part will be dried and stabilized to the finished product.



Press
The press is the last stage of production where the part gets its final shape.



Quality Check
Before shipment, the part passes a quality check.

HPMM T1400

Technical Data

Machine dimensions* (l x w x h)	35.200 x 4.300 x 4.600 mm
Mold mounting dimensions	1.500 x 1.200 mm
Max. mold height	450 mm
Production capacity	125 kg/h dry matter



*incl. drying tunnel (approx. 28.000 mm)

HPMM T2300

Technical Data

Machine dimensions* (l x w x h)	32.000 x 4.530 x 4.600 mm
Mold mounting dimensions	2.400 x 900 mm
Max. mold height	450 mm
Production capacity	150 kg/h dry matter



*incl. drying tunnel (approx. 28.000 mm)