



AMC MACHINERY



HONEYCOMB PRODUCTION LINE



Honeycomb is the lightweight and environmentally friendly solution to your protective packaging needs, is made according to the principle of the honeycomb structure in nature. It connects corrugated base paper into an infinite number of hollow three-dimensional regular hexagons with an adhesive bonding method to form an integral force piece-the paper core and glues the surfaces on both sides. A new type of environmental protection and energy saving material made of paper.

Stands as the best alternative to all other oil-based packaging material such as Expanded Polystyrene, Thermoformed Plastics, Foam, etc. Honeycomb has outstanding cushioning properties and may be used to protect products from shock or vibration damage during transportation and distribution. Honeycomb Die-Cut/Die-Crushed inner packaging offers an eco-friendly alternative to EPS products.

All Honeycomb is made of recycled paper, which can be recycled and reused 100% after use. The waste products and corner materials during the production of corrugated boxes can also be die-cut and bonded to form honeycomb corrugated cardboard cushion pads of various shapes, which can be degraded and absorbed by nature even if discarded. Good green environmental protection packaging material.



ECO
FRIENDLY



CHARACTERISTICS

- **Light weight, less materials and low cost**, compared with other sheet structures, the honeycomb sandwich structure has the largest strength / mass ratio, so the performance / price ratio of its finished products is good, which is the key to the success of honeycomb paper.
- **High strength, flat surface, not easy to deform**, the honeycomb sandwich structure is approximately isotropic, has good structural stability, and is not easily deformed. Its outstanding compression resistance and bending resistance are the most important characteristics required for box packaging materials.
- **Good impact resistance and cushioning**, honeycomb paper is made of flexible paper core and face paper, which has better toughness and resilience. The unique honeycomb sandwich structure provides excellent cushioning performance and has a higher energy absorption value per unit volume in all cushioning materials. High-thickness honeycomb paper can replace the EPS plastic foam cushion that is widely used now.
- **Sound absorption and heat insulation**, the interior of the honeycomb sandwich structure is a closed small room, which is filled with air, so it has good sound insulation performance.



Honeycomb Core Production Line Model HZX-2000

The fully automatic continuous Honeycomb Core Production Line is used to make the paper honeycomb core only with a width of 1600-2500 mm (63" -98"). The entire production line needs 2-3 persons during the operation and production capacity varies from 3-10 tons/ shift. Honeycomb shorten after stretching: For cell 6, 80%; for cell 8 and cell 10, 78%; for cell 12 and bigger, 75%.

The line consists:

- Hydraulic Paper Roll Stand
- Gluing Unit
- Heating and Compressing Unit
- Horizontal Core Cutting Unit
- Conveyor and Collector



Specifications	
Model	HZX-2000
Thickness of Honeycomb Core	5-100mm
Paper Grammage	100-180gms
Width of Paper Core (Before Expanding)	2000 mm
Core Cutting Speed	0-800cuts/min (According to paper and glue quality)
Cutting Tolerance	+/-0.15mm
Output (8 paper rolls)	670-850KG/hour Calculated based on following data: Thickness: 20mm Paper Roll width: 1800mm Paper Grammage: 120gsm
Total Power	50KW
Voltage requirement	3 phase, 5 lines, 50Hz
Heating Drying Method	Electrical Heating
Air requirement	≥7.5KW, 0.8m ³ , Air Storage Tank ≥0.8m ³
Dimensions (LxWxH)	33000 x 5000 x 2800mm
Weight	30000 Kg.
Power Supply	Three Phase, 380V/50 Hz Different electrical requirements can be made)



Honeycomb Board Laminating Production Line Model HZB-1600

This machine is used to expand honeycomb core, laminating two layers of paper on top and bottom to form the honeycomb board, also called as "outliners". Outliners are useful to keep honeycomb core at its position, making it straight and stable. This honeycomb board lamination machine makes the honeycomb paperboard from 5 to 100mm thickness automatically. The honeycomb board consists of a honeycomb structure core and a surface covering material (outliners).

The line consists:

- Hydraulic Paper Roll Stand
- Inline Single-Color Printer
- Core Stretcher and Dryer
- Gluing Unit
- Heating and Compressing Unit
- Belt Compressing Unit
- Drying Unit
- Slitting Unit
- Cut Off Unit
- Stacker



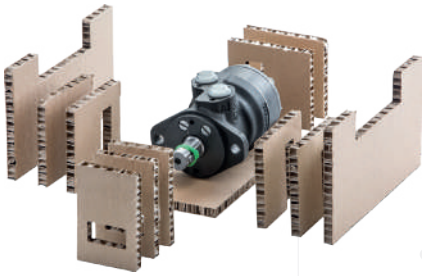
Specifications

Model	HZB-1600
Design Speed	35 m/min
Max. Working Speed (Core Gluing)	25 m/min
Max. Width of Honeycomb Core	2000 mm
Max. Width of Honeycomb Panel	1600 mm
Standard Top/Bottom Paper Grammage	180-420 gsm
Panel Thickness	5-100 mm
Panel Length	800-3600 mm
Honeycomb Board Cutting Precision	1000mm±2mm
Heating Method	Electrical Heating
Total Power	160 KW
Air Requirement	≥7.5KW, 0.8m ³ , Air Storage Tank ≥0.8m ³
Air Pressure	0.8 Mpa
Dimensions (LxWxH)	55000 x 4600 x 4800mm
Power Supply	Three Phase, 380V/50 Hz



APPLICATIONS

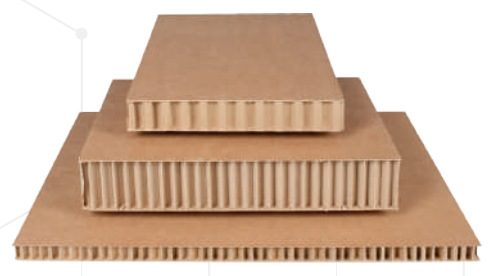
Packaging of furniture and appliances



Honeycomb Pallets



Flat Panels



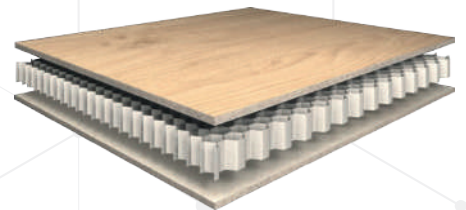
Product Protection



Packaging Fillers



Furniture Fillers





BOX



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