



Honeycomb Paper Machine Datasheet

Machines that die cut kraft into an expanding hexagonal cell wrap that cushions without scratching

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Who buys these machines

- Protective packaging converters
- Fresh produce and floral exporters
- Packaging distributors producing their own wrap
- Filter media producers

Problems this family solves

- Plastic bubble wrap is being written out of retail packaging specifications
- Bought-in honeycomb wrap comes in fixed widths that rarely suit the packing line
- Manual roll changing at the rewinder costs line time on every finished roll

Kraft Honeycomb Paper Forming Machine

Die cuts and expands kraft paper into hexagonal honeycomb wrap at up to 200 m per minute



The EM-PH600 Kraft Honeycomb Paper Forming Machine unwinds, die cuts and rewinds honeycomb paper in a single process. The cut web expands into a hexagonal cell structure that stretches around a product and cushions it without scratching the surface, which is why it replaces plastic bubble wrap for fruit, flowers, ceramics and glassware. It runs paper from 70 g to 100 g at a speed adjustable from zero to 200 m per minute.

Specification

Parameter	Value
Machine model	EM-PH600
Max material width	515mm (508mm/20inch and 380mm/15inch width most)
Machine working speed	0-200m/min adjustable
Unwinding diameter	0-1200mm
Rewinding diameter	0-300mm
Unwinding roll weight	Max. 1 Ton
Unwinding shaft	3"inflatable air shaft
Rewinding shaft	1"/1.5"/2"/3" air shaft (choose either one,usually is 1.5")
Machine size	2600*1350*1300mm(LxWxH)
Machine weight	1500KG
Power supply	380V 3 Phase or as customer requirement

Key benefits

- Unwinding, die cutting and rewinding happen in one process, so no intermediate handling is needed
- Honeycomb wrap stretches and conforms, cushioning without scratching a polished or painted surface
- Automatic meter counting stops the machine at the roll length you set, so finished rolls are consistent
- Takes unwinding rolls up to 1200 mm diameter and 1 tonne, so roll changes are infrequent

Full page: <https://www.emersonmachinery.com/products/honeycomb-paper-forming-machine.html>

Flame Resistant Filter Paper Making Machine

Die cuts flame resistant kraft into filter media with room for inline stitching



The EM-PH800 is built around a customer requirement for filter media rather than packaging. It die cuts flame resistant or flame retardant kraft paper up to 700 mm wide and rewinds it into a roll that is used as filter material. The frame is deliberately longer between the die cutting module and the rewinder so that a stitching or sewing machine can be added into the process. The same machine still runs plain honeycomb and mesh paper for packaging work.

Specification

Parameter	Value
Machine model	EM-PH800
Max material width	700mm
Machine working speed	0-100m/min adjustable
Unwinding diameter	0-1200mm
Rewinding diameter	0-300mm(600mm for flame retardant paper)
Unwinding roll weight	Max. 1 Ton
Unwinding shaft	3"inflatable air shaft
Rewinding shaft	1"/1.5"/2"/3" air shaft (choose either one,usually is 1.5")
Machine size	3200*1350*1300mm(LxWxH)
Machine weight	1800KG
Power supply	380V 3 Phase or as customer requirement

Key benefits

- One frame covers two jobs: honeycomb packaging paper and flame resistant filter media
- Extended span between die cutting and rewinding leaves room for the customer's own stitching or sewing unit
- Rewinding diameter goes to 600 mm on flame retardant paper, against 300 mm on standard grades
- 700 mm working width suits filter element blanks that are wider than packaging wrap

Full page: <https://www.emersonmachinery.com/products/flame-resistant-filter-paper-making-machine.html>

Fully Automatic Kraft Honeycomb Paper Machine

Changes the finished roll, pulls the shaft and labels it without an operator



This is the newest generation of the honeycomb paper machine. On top of the automatic finished roll changing that the automatic model already has, it pulls the finished shaft out of the paper core and pastes the label, so the operator no longer has to feed a new shaft by hand. It runs the same EM-PH600 format, 515 mm wide at up to 200 m per minute, on a longer 4700 mm frame weighing 2500 kg.

Specification

Parameter	Value
Machine model	EM-PH600
Max material width	515mm (508mm/20inch and 380mm/15inch width most)
Machine working speed	0-200m/min adjustable
Unwinding diameter	0-1200mm
Rewinding diameter	0-300mm
Unwinding roll weight	Max. 1 Ton
Unwinding shaft	3"inflatable air shaft
Rewinding shaft	1"/1.5"/2"/3" air shaft (choose either one,usually is 1.5")
Machine size	4700*1500*1600mm(LxWxH)
Machine weight	2500KG
Power supply	380V 3 Phase or as customer requirement

Key benefits

- Finished shaft is pulled from the core automatically, removing the last manual step in the roll change
- Label is pasted inline, so finished rolls leave the machine already identified
- Same 200 m per minute output as the manual model with less operator time per roll
- One operator can supervise the line rather than stand at the rewinder

Full page: <https://www.emersonmachinery.com/products/fully-automatic-kraft-honeycomb-paper-machine.html>

Automatic Kraft Honeycomb Paper Machine

Five shaft paper loader changes the finished roll without stopping the line



This automatic honeycomb paper machine was designed around a customer request to stop losing time at the rewinder. A paper loader carrying five shafts lets the finished roll change over automatically, which saves both time and labour against the manual forming machine. It keeps the EM-PH600 format, 515 mm wide at up to 200 m per minute, on a 3500 mm frame at 1800 kg, and it costs less than the fully automatic version.

Specification

Parameter	Value
Machine model	EM-PH600
Max material width	515mm (508mm/20inch and 380mm/15inch width most)
Machine working speed	0-200m/min adjustable
Unwinding diameter	0-1200mm
Rewinding diameter	0-300mm
Unwinding roll weight	Max. 1 Ton
Unwinding shaft	3"inflatable air shaft
Rewinding shaft	1"/1.5"/2"/3" air shaft (choose either one,usually is 1.5")
Machine size	3500*1350*1300mm(LxWxH)
Machine weight	1800KG
Power supply	380V 3 Phase or as customer requirement

Key benefits

- Automatic finished roll changing removes the stop that a manual rewinder forces on every roll
- Five shafts in the loader mean the next core is always staged and ready
- Lower cost than the fully automatic machine while keeping the main labour saving
- Compact 3500 mm frame fits where the 4700 mm fully automatic line will not

Full page: <https://www.emersonmachinery.com/products/automatic-kraft-honeycomb-paper-machine.html>

Honeycomb Paper Core Sleeve Making Machine

Forms honeycomb paper into open sleeves that slide over bottles and fragile items



The EM-PC900 turns honeycomb paper into a core sleeve that opens out and slides over the item being packed. Because the sleeve expands rather than being wrapped tight, it cushions without scratching the surface, which is what makes it usable on bottles, fruit, flowers, ceramics and glassware. Cores are made from 50 g to 70 g paper between 200 mm and 900 mm long, and the feeding box holds 30 to 50 cores per group.

Specification

Parameter	Value
Machine model	EM-PC900
Paper thickness	50-70g
Machine working speed	4pcs-12pcs/min(if finished length is 220mm,can do 3pcs by one time,so speed is 12pcs/min)
Feeding box	30-50pcs cores feeding/group
Paper core height	10-15mm
Paper core width	80-160 layers (10-20mm)
Paper core length	200-900mm (220mm,350mm,450mm most common), if do 220mm,can be 4 cores feeding by one time, if 350mm,can be 2 cores feeding by one time
Power	3kw
Machine size	1500*800*1300mm(LxWxH)
Machine weight	500KG
Power supply	380V 3 Phase or as customer requirement

Key benefits

- Finished sleeves open easily and protect without marking a polished or printed surface
- Core length from 200 mm to 900 mm covers everything from a wine bottle to a long fragile part
- Multiple cores per cycle at shorter lengths: four at 220 mm, two at 350 mm
- Feeding box staged with 30 to 50 cores per group keeps the cycle running

Full page: <https://www.emersonmachinery.com/products/honeycomb-paper-core-sleeve-making-machine.html>