

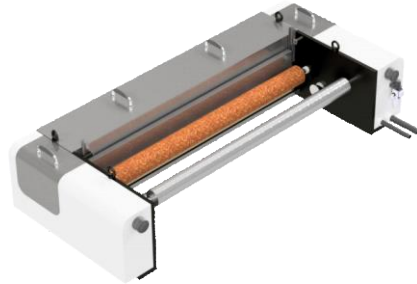


HIGH SPEED COLD & HOT NEEDLE PERFORATION

By microperforation we are able to give to thermoplastic films the optimal properties for the packaging of products for both food and industrial use.

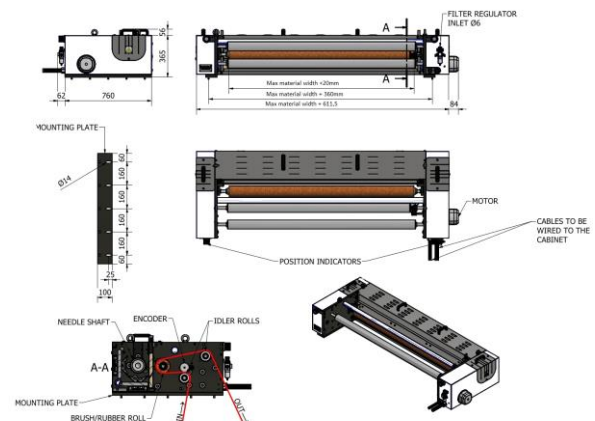
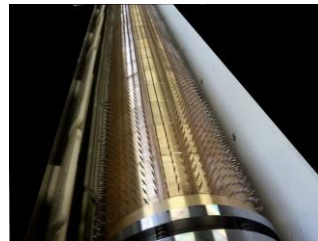
MOD. SM-HMS

Hot needle perforation involves passing super-heated needles through the material to both penetrate and melt it. This results in a round and clean hole. Microperforation can be used to vent the steam from package or for breathability or oxygen fresh food. Our state-of-the-art hot-needle perforation features digital computer controls and servo drives for precise hole size. The heating system is segmented into three comparts of infrared ceramic elements for maximum temperature uniformity. Microperforation can be performed in strips on a certain area of the film or on the entire tape; many different perforation patterns according to the customer's needs can be made.



Features

Max material width	2000mm
Max speed	100 meters per minute
Diameter of the holes]	from 0,1mm up to 1,5mm
Density of the holes	High and low density of holes
Installation on	bag making machine, extruder, slitter, printing machine and so on
Holes on register	No
Encoder to synchronize the speed	Yes
Material that could be processed	PE, PP, paper, foam non-woven, coated material and so on
Operator language	Yes
remote assistance	Yes
Touch screen	Yes with predisposition 4.0
Pneumatic device for adjusting the depth of the pins	Yes
Drive pin shaft	Yes



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