



BURCKHARDT
OF SWITZERLAND



Solid **V**

Hot Perforating Unit for Film

- Most Competitive Unit for Hot-Perforating
Speed of up to 120 m/min.
- Most Compact Unit in the Market

Hot Perforating Unit for Film

Maschine Type	Hot Pin Perforating Unit
Description	Unit for micro- or macro hot perforation of films offering easy line integration and simple handling with very quick change of tools and rollers.
Working Width	Up to 2'000 mm
Perforating Roller	Core-Ø 110 mm Perforating segments according to customer's specification. Ø over pin tips: approx. 135 mm
Counter Roller	Roller-Ø 143 mm, Tampico fibre brush Option: (according to application) <ul style="list-style-type: none"> • Combination of various brush fibers • Rubber • Felt
Heating System	External high-power ceramic heating combined with internal electrical resistance heating. From working width 1200 mm upwards: 3-Zone-Control for regular temperature distribution across entire perforating roller. Combined heating power approx. 15 kW per meter width.
Working Temperature	Up to 350°C (measured at perforating ring)
Drive system	Frequency inverter controlled servo-motor, 50Hz, 400 V
Line Speed	Mechanical speed up to 200 m/min (Production speed depending on material and required hole-quality)
Penetration Adjustment	Electronically controlled penetration depth with regulation of hole-Ø during operation
Electronic Control	Control panel with control wheel. Visual display of all process parameters as well as diagnosis and error messages. Line integration is simplified as the unit has its own odometer. Option: 4–20 mA or 0–10 V
Energy Supply / Consumption	3 x 50 Hz, 400 V, energy consumption approx. 16 kWh max. per meter of working width
External Dimensions	Total length = Working width + 1140 mm Height: approx. 750 mm (+290 mm for opening) Depth: approx. 560 mm (+200 mm for opening)
Options	<ul style="list-style-type: none"> • Intermittent Perforation • In-line optical production control (stroboscope) of hole pattern during operation • Separate Heating and cooling device for efficient roller-changing preparation • Lifting device for perforating roller with storage hold • Separate mobile control unit • Field bus integration (coming up)



- Simple Handling
- Easy Line Integration
- Quickly Variable Perforating Pattern with short Changeover Time
- High Perforating Speed Maintaining High Production Quality



Perforating Ring in Various Versions



Perfectly Sealed Hole



Display with Control Wheel



Integrated Speed Indicator