Perforating Unit
– 400 °C / 750 °F
– 300 m/min / 320 yds/min
# Hot Perforating Unit

<table>
<thead>
<tr>
<th>Machine Name</th>
<th>HotSpeed</th>
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<tbody>
<tr>
<td>Description</td>
<td>Optimized design for converters where high temperature and speed is key while maintaining fast tool exchange</td>
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<tr>
<td>Working width</td>
<td>Up to 1'600 mm</td>
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</table>
| Perforating roller | Core Ø 110 mm  
Perforating segments according to customer’s specification  
Ø over pin tips: 130 – 200 mm |
| Counter Roller | Roller Ø 140 – 160 mm  
Tampico fibre brush  
**Option**: (according to application)  
• Variation of brush fibers and arrangement  
• Rubber |
| Heating system | «Hot Oven» construction  
Combination of external ceramic heating and internal resistance heating  
Combined Heating power: up to 13 kW per meter width |
| Working temperature | Up to 400°C (measured at perforating ring) |
| Drive system | 2.2 kW, DC-motor, 50 Hz, 400 V |
| Line Speed | Up to 300 m/min (production speed depending on material and requested hole quality) |
| Emergency brake system | Emergency stop with electronic motor brake  
(< 1 second) |
| Penetration adjustment | Manual rotary position control and analog indication in increments of 0.1 mm |
| Electronic control | Cabinet with push buttons, temperature display and adjustment, line integration via 4 – 20 mA signal  
**Option**: Cabinet with Siemens touch-panel, control/display of all mechanical functions and parameters as speed and temperature, line integration through 4 – 20 mA signal, manual synchronization adjustment, adaption of line speed and perforation speed at control panel, modem connection for remote maintenance |
| Energy connection/consumption | 50 Hz, 400 V, Energy consumption 15 kWh per meter working width |
| External dimensions | Total length = working width + 800 mm  
Height: 700 mm (approx.)  
Depth: 700 – 1000 mm (approx.) |
| Options | • Segmented pinning for special perforating pattern  
• Dedicated construction for fast roller change  
• Dedicated construction for fast pin ring exchange without roller disassembly |

- High Temperature  
- High Speed  
- Easy Handling  
- Compact Build  
- Easy Integration

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