DHS3
DRY HEAT-SETTING LINE FOR CARPET YARN

• For PA, PET, PP
• High bulk & low shrinkage
• Very even heat-setting effect
• Enhanced stain resistance

• 1 or 2 heat-setting modules
• Multi-layer process

ONE PASS STRAIGHT or TEXTURED
• Laying with DAV3 for straight-set yarn or with MF400/MF4 (option) for textured yarn
• One single step process, Texturizing & heat-setting with DHS3
• 900 to 6000 dtex
• Up to 96 ends
• configurable to your needs (1-2 modules)

HIGH PRODUCTIVITY
• Uniform heat treatment thanks to the bundle turnaround with 3 layers.
• Up to 580Kgs/hour (DHS3 2 modules)
• Fixation time up to 1 min @ 180°C
• High efficiency, up to 98% & more
• Low energy consumption
• Small footprint

ELECTRONIC CONTROL
• Fully PLC controlled with a 16/9 color-touchscreen
• High level of reproducibility thanks to unlimited number of textile recipes
• Production follow-up, alarm reports, shift report, efficiency, trends, and a lot more
• Remote-control, Texconnect compatible
DHS3 LINE COMPOSITION

CHARACTERISTICS & TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>DHS3 - 1 module</th>
<th>DHS3 - 2 modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production</td>
<td>up to 9 Tons/day</td>
<td>up to 14 Tons/day</td>
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<tr>
<td>Temperature</td>
<td>110°C - 180°C</td>
<td>110°C - 180°C</td>
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<tr>
<td>Heat-setting time</td>
<td>30 sec. - 60 sec.</td>
<td>30 sec. - 60 sec.</td>
</tr>
<tr>
<td>Max. belt density</td>
<td>400 g/m</td>
<td>400 g/m</td>
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<tr>
<td>Nb. of ends</td>
<td>48 - 60 - 72</td>
<td>60 - 72 - 96</td>
</tr>
<tr>
<td>Yarn speed</td>
<td>up to 650 m/min</td>
<td>up to 650 m/min</td>
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ENERGY CONSUMPTION

- Installed power: 100 KVA, 20 - 45 KW/h
- 200 KVA, 20 - 65 KW/h

- Steam: HEP3: ~30 Kgs/h
- DHS3 (1): 0 - 30 Kgs/h
- 2x HEP3: ~60 Kgs/h
- DHS3 (2): 0 - 60 Kgs/h

- ~25 liters/hour (per HEP3)

LAYOUT (EXAMPLE FOR ONE 48 ENDS LINE - CONFIGURATION “SIDE”)
We imagine, build and integrate innovative textile systems for flooring qualities, home linen, fashion fabrics and technical textiles.

Sharing inspiration and expertise with our customers worldwide, we shape the textile industry of the future.

Creating success for them all, from yarn to finished product.