The manufacturing process includes coil feeding of the non-wovens, nose clip feeding as well as positioning, ultrasonic roll welding, earband feeding and welding, mask folding, punching, waste discharge and output of the masks into a box. The entire production line uses digital communication, can provide data acquisition, analysis and traceability of the production and a user-friendly interface.

**EQUIPMENT ADVANTAGES**
- Short delivery time
- Reliable production concept with low maintenance requirements
- Modular design, simple and safe operation, automatic alarm system
- Integrated intelligent operating system, one-man operation
- Made in Germany/USA
- CE compliant

**PRODUCT SPECIFICATIONS**

**Mask type**
- partical filtering half mask without valve

**Mask size**
- 150mm x 100mm; max. 6-layer

**Output**
- 40 parts/min

**Material requirements**
- Nonwoven fabric rolls
- Earband
- Nose clip

**CONFIGURATION**
- Siemens PLC + Touch system
- Automatic transfer system
- Interface to an automatic packaging unit optional
## TECHNICAL SPECIFICATION
FULLY AUTOMATED ASSEMBLY LINE
PARTICAL FILTERING HALF MASK

<table>
<thead>
<tr>
<th>Model</th>
<th>PIA-MPL PFM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultrasonic frequency</td>
<td>15 KHZ; 20KHZ</td>
</tr>
<tr>
<td>Machine size</td>
<td>approx. 8800 × 1640 × 2600 mm</td>
</tr>
<tr>
<td>Operating height</td>
<td>&lt;=900mm</td>
</tr>
<tr>
<td>Machine weight</td>
<td>approx. 3000kg</td>
</tr>
<tr>
<td>Voltage</td>
<td>400V-50 Hz</td>
</tr>
<tr>
<td>Compressed air</td>
<td>6 - 8 bar</td>
</tr>
<tr>
<td>Power supply</td>
<td>15 KW</td>
</tr>
<tr>
<td>Performance</td>
<td>40 parts/min</td>
</tr>
</tbody>
</table>

Technical changes are reserved, dimensions and illustrations are subject to change.