Data Sheet

*iTEM250* Single Chamber / *iTEM320* Single Chamber

### Dimensions

<table>
<thead>
<tr>
<th></th>
<th>Item250</th>
<th>Item320</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>3,100 mm</td>
<td>3,100 mm</td>
</tr>
<tr>
<td>Width</td>
<td>2,400 mm</td>
<td>2,400 mm</td>
</tr>
<tr>
<td>Height</td>
<td>2,600 mm</td>
<td>2,600 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>10,000 kg</td>
<td>10,000 kg</td>
</tr>
</tbody>
</table>
| Max. component size
| Cylindric components | Ø 310 x H 280 mm | Ø 310 x H 280 mm |
| Quadratic components | 220 x 220 x 280 mm | 220 x 220 x 280 mm |

### Electric power supply

- Power requirement: approx. 30 kVA
- Line voltage: 400 V/N/PE ~ 50 Hz

### Deburring chamber

- Diameter: 250 mm, 320 mm
- Height: 300 mm, 300 mm
- Max. gas inflated pressure: 23 bar, 16 bar

### Standard Equipment

- Control system: SIEMENS PLC with touch-screen
- Cycle times single shot: 60 - 90 seconds
- Cycle times double shot: 110 - 150 seconds
- Operating gas: Oxygen and methane (or hydrogen)
- Safety arrangement: TÜV certified, ATEX, CE marking, gas monitoring system
### Datenblatt

**Product Overview**

<table>
<thead>
<tr>
<th>iTEM250 SC</th>
<th>TEM320 SC</th>
<th>iTEM400</th>
<th>iTEM400/600</th>
<th>iTEMPlastics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>3,100 mm</td>
<td>3,100 mm</td>
<td>3,800 mm</td>
<td>3,800 mm</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>1,800 mm</td>
<td>1,800 mm</td>
<td>1,800 mm</td>
<td>1,800 mm</td>
</tr>
<tr>
<td><strong>Overall width</strong></td>
<td>2,400 mm</td>
<td>2,400 mm</td>
<td>2,500 mm</td>
<td>2,500 mm</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>2,600 mm</td>
<td>2,600 mm</td>
<td>2,600 mm</td>
<td>2,850 mm</td>
</tr>
<tr>
<td><strong>Working height</strong></td>
<td>1,100 mm</td>
<td>1,100 mm</td>
<td>990 mm</td>
<td>1,380 mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>10,000 kg</td>
<td>10,000 kg</td>
<td>15,000 kg</td>
<td>17,000 kg</td>
</tr>
</tbody>
</table>

**Max. component size**

| Cylindric components | Ø 240 x H 280 mm | Ø 310 x H 280 mm | Ø 395 x H 280 mm | Ø 395 x H 580 mm |
| Quadratic components | 170 x 170 x 280 mm | 220 x 220 x 280 mm | 275 x 275 x 280 mm | 275 x 275 x 580 mm | 400 x 400 x 800 mm |

**Electric power supply**

| Power requirement | approx. 30 kVA | approx. 30 kVA | approx. 30 kVA | approx. 30 kVA | approx. 20 kVA |
| Line voltage | 400 V/N/PE ~ 50 Hz |
| Control voltage | 24 V DC |

**Operating media**

| Medium 1 | methane* | methane* | methane* | methane* | hydrogen |
| Medium 2 | oxygen | oxygen | oxygen | oxygen | oxygen |

* Hydrogen and natural gas are also applicable. Natural gas may not contain more than 2% of inert gas and in addition, a natural gas compressor is needed.