Airbag preparation – down to the MAX
**Technology**

The scanner based JENOPTIK-VOTAN® S is designed to create predetermined slot-bridge weakening lines. After processing, your parts will be directly evaluated with an integrated image processing unit.

The weakening program and process evaluation is customizable to your needs. With JENOPTIK-VOTAN® S you are using an industrial proven system for a contact- and wear-free production of your parts.

**Features**

- Smallest available footprint
- Part envelope 1550 x 550 x 250 mm
- High repeatability
- Minimal structure size 300 µm
- Minimal heat affected zone
- Direct part evaluation
- Parameter and result traceability and storage
- Rework/destroy function for minimal scrap rate
- Proper exhaust for minimal contamination
- Reduced service and maintenance

**Technical specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Footprint</td>
<td>Approx. 12 m² (w=2 m, d=2.5 m, h=2.4 m) without peripherals</td>
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<tr>
<td>Fixture interface</td>
<td>Quick change system</td>
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<tr>
<td>Operator panel</td>
<td>24” multi-touch panel with RFID reader</td>
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<tr>
<td>Laser</td>
<td>CO₂ laser</td>
</tr>
<tr>
<td>Control panel</td>
<td>SIMATEC S7 with safety function</td>
</tr>
<tr>
<td>Direct process evaluation</td>
<td>Integrated image processing unit</td>
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</tbody>
</table>

We reserve the right to make changes in the interest of technical progress.

**Application**

Generating weakening structures in substrate materials for:
- Passenger airbags
- Knee airbags
- Thorax airbags
- Curtain airbags

**Process evaluation and traceability**

**Process evaluation features**

- Part identification and tracking via bar code
- Contour divided in different inspection zones
- Adaptable evaluation parameters per inspection zone
- Results are displayed, stored and reported

**Evaluation parameters**

- Number of slots and bridges
- Size of slots and bridges (attributive check based on reference)
- Pattern and length check (attributive check based on reference)
- Airbag contour position (attributive check based on reference)
- Acceptable failure rate (defined by customer)

**Traceability**

Part ID based storage and communication of process parameters and evaluation results to and from your plant MES.