HiS VARIO B system.
Solutions for battery applications.

Compact and modular for easy integration. Designed for battery-related applications such as pre- and main welding of anodes and cathodes.

Precise alignment
- Patented alignment module for fine adjustment of the sonotrode (plane-parallel alignment)
- Coarse alignment possible every 90°
- Fixed axial position guarantees the same absolute weld distance with every sonotrode change
- Additional support of the sonotrode at the nodal point for long-term stable welds

Quick and easy tool change
- Innovative design of sonotrode and mounting bracket guarantees stability
- Accessibility from the front
- Tool change possible inline and outside
- Precise sonotrode change in just a few minutes

Modularity and flexibility for automation engineers
- Left and right-hand version
- Mechanical interfaces can be installed on several sides
- Configuration with and without anvil mount
- Various fieldbus interfaces for communication:
  - EtherCAT
  - PROFINET IO
  - EtherNet/IP
  - and others
- Additional function and software options:
  - Sonotrode cooling
  - Converter cooling
  - DataRecorder for data evaluation

Footprint
- Industry-leading compactness and small size
- Free feed options with automation

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HiS VARIO B system.  
The compact integration solution.

HiS VARIO B can be easily integrated into production lines by taking into consideration its compactness and accessibility. All elements for fast tool change and production start-up have been designed to considerably reduce change over and maintenance times. Cost saving through production reliability and quality are a top priority.

Technical data

<table>
<thead>
<tr>
<th>HiS VARIO B MODULAR (left and right version)</th>
<th>20 kHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generator power [W]</td>
<td>1600 / 2400 / 4800</td>
</tr>
<tr>
<td>Weld force max [N] at 8 bar</td>
<td>3500</td>
</tr>
<tr>
<td>Stroke / Revision stroke [mm]</td>
<td>60</td>
</tr>
<tr>
<td>Outside dimensions incl. HMI operating cockpit (W x H x D) [mm]</td>
<td>191 x 415 x 345</td>
</tr>
<tr>
<td>Control panel (weld process control)</td>
<td>12&quot; touch screen, color</td>
</tr>
<tr>
<td>Operating modes</td>
<td>5</td>
</tr>
<tr>
<td>Application memories</td>
<td>32</td>
</tr>
<tr>
<td>Number of stored welds (graphics &amp; data)</td>
<td>100</td>
</tr>
<tr>
<td>Number of controllable auxiliary functions (optional)</td>
<td>4</td>
</tr>
</tbody>
</table>

Ultrasonic welding system for integration into automated production lines.

Contact us!

Rely on our expertise – we’ll handle that for you!

📞 1-630-626-1626
✉️ info@herrmannultrasonics.com

BONDING – MORE THAN MATERIALS