

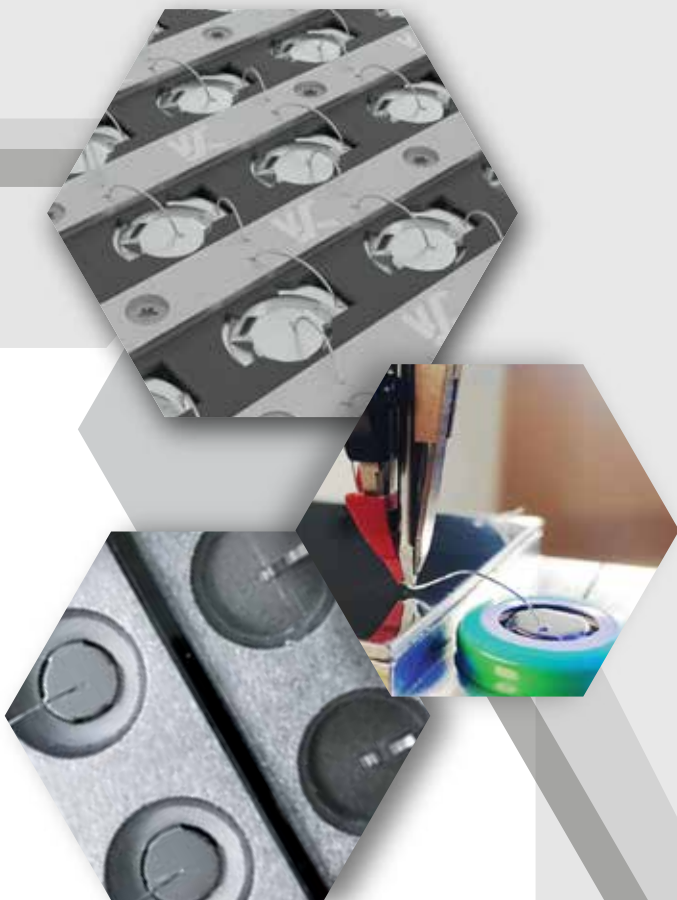
ENHANCED CAPABILITY HYBRID WEDGE BONDER



ASTERION™ SV 

KEY FEATURES

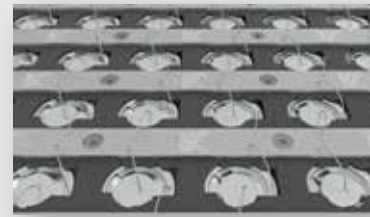
- 01 Market Leader**
Market leader in Wedge Bonding, global coverage and support
- 02 Performance**
Offers large wire spool capacity, K125 and proven battery wire bonding solution in mass production
- 03 Adaptability**
Supports multiple form factor products on single or multi lane automation with a large bondable area of 300mm x 985mm
- 04 Connectivity**
Industrial standard communication protocol
- 05 Reliability**
Direct drive motion system with less frequent maintenance



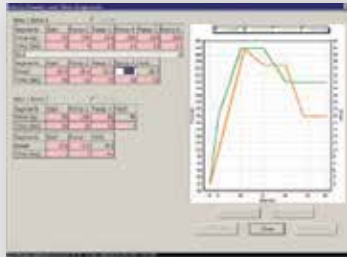
**YOUR ALLY IN
TECHNOLOGICAL
DISCOVERY,
ALWAYS.**



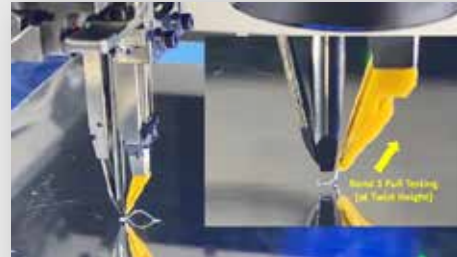
Customizable dashboard allows configuring user interface during auto run



Battery Cell Bonding



Multi-Segmented Bonding cycle allows precise control and flexibility of the bonding process



Non-Destructive Pulltest provides in-situ quality check during production

CAPABILITIES

SPECIFICATIONS

General:

Power Requirements (Electrical):
180 - 240VAC, Single Phase, 50/60Hz, 2.0kVA
Work Height: 939mm - 985mm from Floor
Foot Print:
800mm (W) x 2256mm (D) x 2035mm (H)
Weight: 1750kg Uncrated
CE Certification: Standard
OS: Windows 10

Motion System:

X,Y Axes: Linear motors, 0.1µm Resolution
Bond Area: 300mm x 985mm
Z-Axis: Voice Coil, 0.1µm Resolution; 50mm Z-Stroke
Θ-Axis: Direct Drive; ± 220°, 0.00057° Resolution
Tool Tip Placement Repeatability: ±3.0µm at 3σ

Interconnect Options:

Large Wire
Wire Range: 300µm - 500µm Diameter

Pattern Recognition/Optics/Vision:

Vision System: GS4 Pattern Recognition System

Material Handling:

Workholder Bay
Pass-through Dimension:
1105mm x 528mm
Handler Interface: ePEI (TCP/IP)

Options:

SECS/GEM, Battery Mapping,
Graphical Bondhead
Setup, Auto Force
Calibration, Options
Area for Automatic
Bond Off

APPLICATIONS

EV Cars

ESS



Electric Bikes