ANITA EZ09 HOT BONDER

The Anitas are recognized worldwide by MROs and aircraft constructors as the most appropriate equipment bonding repairs of high performances aircraft structures.

They are conceived as portable systems, light, handy for field application and their operations have been optimized to be extremely simple to use by shop technicians. In this family, the Anita EZ0901, provides a new revolutionary way to conduct advanced bonding operations. This version, with a Touch Screen Panel offers easy operative procedures. Several functions are now made possible for adaptive process control together with quality document elaboration and innovative training information.

TOUCH SCREEN PANEL OPERATIONS

The Anita is equipped with a large touch screen panel. A sophisticated software allows easy operations for:

- Programming of simple and elaborated cycles
- Immediate Start of Cycles
- Process Supervision with graphical and tabulated presentations
- Interactive selection of temperature control modes
- Selection of innovative functions

ADVANCED PERFORMANCES

In a small compact box, the Anita gathers all the necessary functions to control the bonding heating process under vacuum for a repair on composites or metal structures.

It is specially conceived to reach maximum performances on small and large surfaces, on thin and thick structures and on structures with differentiated thermal reaction.

Large touch screen
(160 x 125 mm) displays make it easy for the operator
ANITA EZ09 HOT BONDER

MAIN FUNCTIONS

- Heat control on two independent channels for 1 repair with 1 or 2 heating zones, or 2 separate repairs
- Innovative third channel for heat loss compensation on the bag or around the patch
- Large heating capacity with 6000 watts/220 Volts
- Vacuum bag sensing for repair qualification; 2 sensors installed
- Panel Printer
- Touch screen panel for - easy programming - cycle start - graphic supervision - active control mode selection - calibration - quality control report - heat blanket testing
- Blanket power check and detection of shorts
- Built in electronic safety circuits
- Large memory storage capacity for cycle data
- USB connections: 2 ports
- Transfer of data to a USB key
- Automatic reporting under pdf
- Calibration made easy by dialogue and software tuning operations

HEATING SYSTEMS

The Anita can drive, without any other circuit tuning, various heating systems like:
- heat blankets, (see our general catalogue for selection)
- radiant panels
- hot air blowers

TECHNICAL SPECIFICATIONS

- Dimensions: W x D x H: 350 mm x 220 mm x 260 mm (14 in x 9 in x 9 in); Weight: 9.6 Kg (22 Lb)
- Volts: 220 or 120 VAC, automatic switching
- Power Capability: 30 Amps x 220 Volts = 6000 Watts or 30 x 120 Volts = 3600 Watts available on 2 independent power output
- Touch Screen Panel: High quality for Operator Dialogue and Data visualisation
  Dimensions: 160 mm x 125 mm (6.5 in x 5 in)
- Sensing precision: temperature better than 0.4 °C (0.8 °F); vacuum better than 0.050 bar (1.5 inHg)
ANITA EZ09 HOT BONDER

INNOVATIVE FEATURES

- An extra third output power channel (230 Volts or 120 Volts - 3 Amp) for cold area heating
- Test of presence of blanket; measurement of power of blanket in the range 200 to 6000 watts
- Watch dog and safety associated circuits for safe operations

Other features

- Dialogues in English, French, Spanish, German, Italian, Russian, Chinese, Japanese,.. selectable
- Units in °C and bars or °F and in of Hg selectable
- Thermocouple scanning capacity: Type J or K (to be specified at the order), 12 plugs with optional external extension up to 24 plugs
- 2 Vacuum electronic gauges on return hose from bag to qualify the actual vacuum in bag itself. This value is continuously monitored, displayed, printed and recorded
- Printer with large standard paper
- Audible alarm, and Mimics for alarms and heat actions; seen from far
- Easy accessible external fuses
- All blanket cables come with special circular military connectors mounted for a high quality coupling. Blankets come also with same quality mating connectors.
- Software and electronic safety features
- 2 USB ports, for export of data to a USB key or support

ACCESSORY PACKAGE

The Anita comes with all its accessories necessary to implement a bonding operation under vacuum: a complete set of cables, hoses, in a nice storage and transportation console.

**Console Dim:** 460 mm x 350 mm x 166 mm (18 in x 14 in x 7 in); **Weight:** 12 Kg (27 Lb)

**Content List:**
- A Power cable: 1 unit, length 5 m (6 ft)
- Blanket cable: 2 units, length 3 m (10 ft)
- Vacuum Silicone Hoses: 2 units for return sensing, length 3 m (10 ft)
- 2 Vacuum Valves
- A heat compensation blanket (230 or 120 Volts) and its cable
- Thermocouple cables: 12 of 3 m long (10 ft)
- A first set of printer consumable
- A User and Service Manual

ORDERING INFORMATION

**Bonding Kit**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>T/C Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>GMIEZ0901-J</td>
<td>Type-J</td>
</tr>
<tr>
<td>GMIEZ0901-K</td>
<td>Type-K</td>
</tr>
</tbody>
</table>
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ADDITIONAL ORDERING OPTIONS

• **Scanner 12 TC** - Extension of thermocouple channels capable of extending the capacity of temperature measurement by connection of a scanner with capacity of 12 T/C. Wirelessly linked to the Anita, the scanner can easily be positioned close to the repair. This is useful in case of difficult access with the Anita being positioned at distance.
  - Capacity 12= 2 x 6 thermocouples Type-J or K, engineered at the order.
  - Detected automatically by the Anita.
  - With this scanner, total capacity of Thermocouples handled by Anita is: 24 for 1 large repair or 12 Thermocouples per zone for a repair with 2 zones.

P/N GMIEZS012- J* or K according to your choice

• **Remote Control with a Screen Tablet:**
  We offer now the possibility to dialogue at distance with the Anita EZ through a latest technology wifi linking the Anita to a remote Tablet. This feature is unique to ease the work of the operator in field operations. Alarms are also transferred at distance visually on the remote screen and loudly through a speaker.

P/N: GMIEZR010

ABOUT BRISKHEAT

BriskHeat offers a full range of surface and immersion heating solutions. We help our customers decrease downtime, increase throughput, and maximize profits. Large projects or small, high volume or low, domestic or world-wide, BriskHeat stands by to help you with any surface or object heating application you might encounter. With an accessible staff of sales and application engineers experienced at helping you find the most economical solution for your needs, BriskHeat is your heating specialist.