

TECHNICAL DATA SHEET

GMIEZ0901

ANITA bonding console

► DESCRIPTION

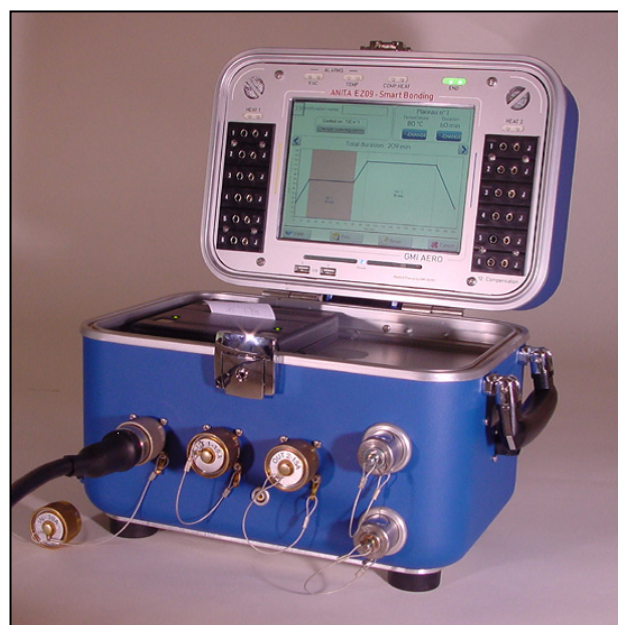
The ANITAs are recognized worldwide by MROs (MRO - maintenance, repair & overhaul) and aircraft constructors as the most appropriate equipment for the repair by bonding of high performances aircraft structures. The console is conceived as portable, light, easy to use, coming with a touch screen panel. It offers easy operative procedures, process control, document elaboration for quality control and innovative training information.

Being delivered 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.

► TOUCH SCREEN PANEL OPERATIONS

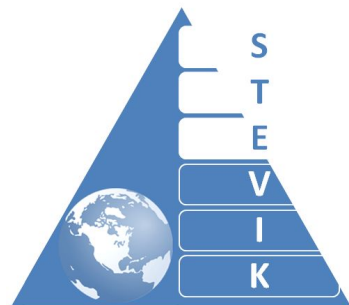
Advanced software and touch screen panel allow easily operations for:

- Programing easy simple and elaborated cycles
- Immediate start of cycles
- Process supervision with graphical and tabulated presentations
- Interactive selection of temperature control modes
- USB and Ethernet interfaces for support and E-learning
- Quality control report
- Heat blankets control



► MAIN FUNCTION

- Heat control of two independent channels for 1 repair with 1 or 2 heating zones or 2 separate repairs
- Innovative third channel for heat loose compensation on the bag or around the patch
- Large heating capacity with 6000 watts/220 Volts
- Bag vacuum sensing for repair qualification; 2 sensors installed
- Panel Printer
- Blanket power check and detection of shorts
- Crossed zone test
- Built in electronic safety circuits
- Large memory storage capacity for cycle data
- USB connections: 2 ports
- Transfer of data to a USB key
- Connection of an external printer on/off line
- Accurate calibration made easy by dialogue and software turning operations.



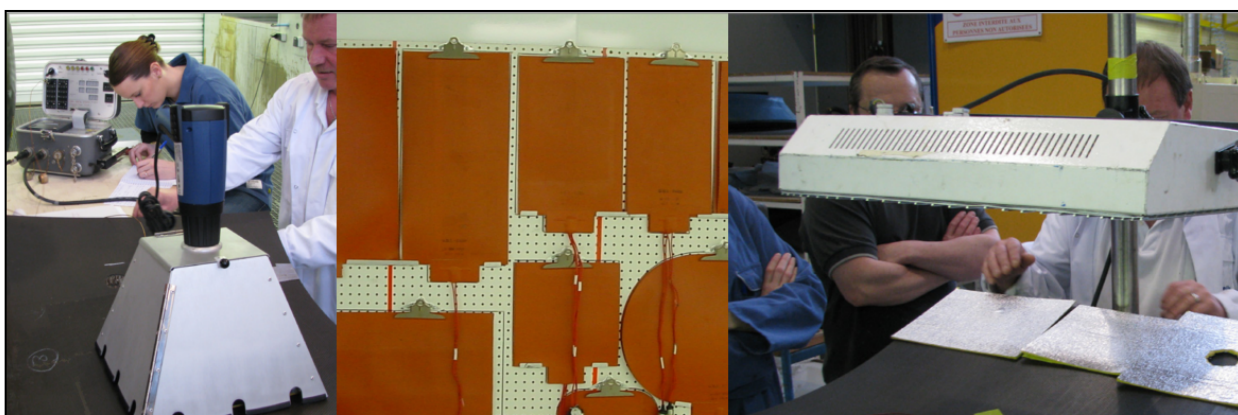
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► HEATING SYSTEMS

The Anita can drive, without any other circuit turning, various heating systems like:

- Heat blankets
- Radiant panels (GMIWRP-01M-2)
- Hot air blowers for drying of the repaired patch (GMIET010)



Hot air blower, heating blankets, radiant panels

► TECHNICAL DATA

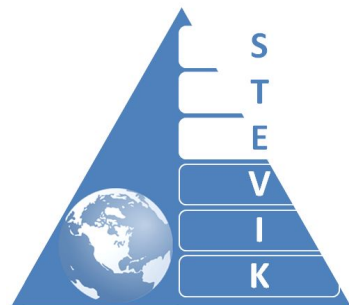
Size:	350 x 220 x 260 mm (W x D x H)
Weight:	12 kg
Voltage:	220 or 120 VAC automatic switching
Power capacity:	30 Amps x 220 Volts = 6000 Watts or 30 Amps x 120 Volts = 3600 Watts available on 2 independent power outputs

High quality touch screen panel for operator dialogue and data visualization

Size:	160 x 125 mm
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OTHER SPECIAL FEATURES:

- Thermocouple scanning capacity: type J, 12plugs, with possibility of external extension up to 24 plugs
- 2 vacuum electronic gauges on return hose from bag to qualify the actual vacuum in the bag itself. This value is monitored permanently, 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. Our blankets come also with same quality mating connectors
- Software and electronic safety features
- 2 USB ports, one for external advanced printer, one for export of data to a USB key or support



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- Ethernet connection plug for distance communication and update of software if needed

► DELIVERY

The Anita console 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.



Metal case with accessories (left) and the Anita console (right)

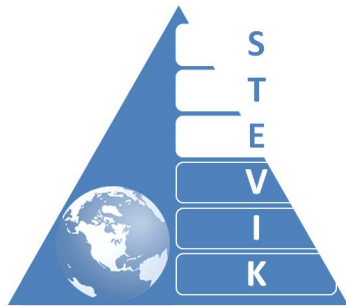
1. THE ANITA CONSOLE

Control equipment Anita is handed as off-line console. NB: batch number is on the backside of the device. The console is delivered with the full manual for a user.

2. CONSOLE ACCESSORIES

Set of accessories ready for transportation represents a metal case with overall dimensions 500x400x400 mm and weight about 15 kg.

Nº	Name	QTY	Reference for order
1	Power cable	1 unit	GMIOTHE050
2	Power cable	1 unit	GMIEZE050
3	Blanket cable	2 units	GMIEZE060
4	Blanket cable	2 units	GMIOTHE060
5	Grounding cable	1 unit	GMIEZE070



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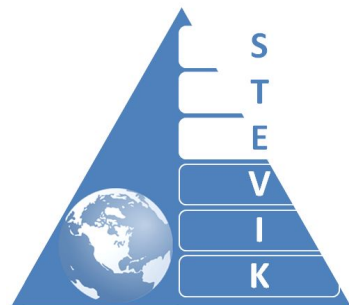
6	Vacuum hose for vacuum measurements (return hose); one connector for the Anita console, other connector is open to be connected to vacuum valve	2 units	GMIEZP110
7	Vacuum valve to connect with hose mentioned above	2 units	GMIWB010
8	Thermocouple cables (J type)	2 x 6	GMIEZT020 (for a kit of 6)
9	Paper roll for printer (sample)	1 unit	GMIOTI010-01-01
10	Ribbon cartridge for printer (sample)	1 unit	GMIOTI010-02-01
11	Cable EZ for personal computer connection (USB)	1 unit	GMIEZI050
12	Compensation blanket	1 unit	GMIOTCB020040-2 (for 220Volts) GMIOTCB020040-1 (for 120Volts)
13	Cable for compensation blanket	1 unit	GMIEZ060
12	A user and service manual (printed version).	1 unit	GMIEZD011



A large touch screen for elaborated function selection

► TRAINING

We offer a wide range of programs for training to composite repair. For level I and II programs to specialised on job repair sessions (see technical data sheet: «Repair technologies training»).



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► NOTE

Please contact us to get additional information for the Anita bonding console modifications for serial production, for airlines usage (model with anti-explosion protection), with 4 heating zones, for repair of large patches, such as repair of reverse elements etc.

For temperature measurements till 420 °C and for temperature control till 400 °C, as well as for program set up the modified bonding console is used. Reference for order: GMIEZ0901 extension P.

The bonding console is supplied with software up on your choice: in English, French, Chinese, Russian languages (German, Italian, Spanish purpose made).

Units of measurement up on your choice: «°C and Bar» or «°F and mm of mercury»

► RELATED WEAR PARTS FOR ORDER

A box of 20 printer paper rolls: reference to order: GMIOTI010-01

A box of 10 printer ink cartridges: reference to order: GMIOTI010-02