

## ANITA - GMIQS1Z QUICK START Bonding Console - 1Repair -1Zone With Fully Automatic Control

### AN INNOVATIVE BONDING CONTROL UNIT

GMI Aero offers in the series of Anita Bonding Consoles an innovative version optimised in size, features and with special features to meet the special requirements of Airlines and MROs for a **quick** and **simple** implementation.

This solution benefits from our long time experience in this field and continuous R&D in repair processes.

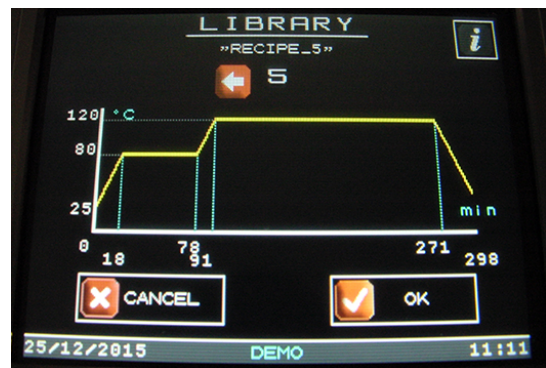


### THE ANITA QUICK START CONCEPT

For the context of quick implementation, the operator needs an equipment light and robust, integrally equipped and push-button operated.

Our Anita QS1Z complies fully with these constraints in offering in a small compact volume, all functions needed for expediting a bonding process.

The software controls in an **automatic way** the heating process in optimising the temperature distribution. The software decides which profile is the optimum to reach the set-point with a minimum of differences of temperature and with respect of alarm limits. The operator has nothing to do in terms of thermocouple selection. The operator can concentrate on the construction of the bonding bag.



### ENHANCED FEATURES

In a compact size the **Anita QS** offers:

- Temperature control for one zone power output ; heating systems can be indifferently heating blankets, radiant elements, hot air blower,..
- 6 Thermocouples
- High visibility screen for process supervision
- Programming of cycles by using the **touch-screen** panel or through a PC to constitute a built in field use library.
- USB interface for cycle data logging and analysis on a PC
- Built in Vacuum Venturi Pump (high performances)
- Bag Vacuum sensing by a return hose

### TECHNICAL SPECIFICATIONS

- Dimensions: W x D x H: 350 x 280 x 170 mm - 13,7 x 11 x 9 in - Weight: 6 kg - 13 lb
- Volts: 220 or 120 VAC, **automatic switching**
- Power Capacity (V\*I): 220 V \* 30 Amps = 6600 Watts (enough for 1 square meter blanket) or 120 V \* 30 Amps = 3600 Watts
- **Touch Screen Panel** display for process supervision - Panel Dimensions: 115 x 86mm - 4.5 x 3.4 in.

### SENSING

- Thermocouple scanning capacity: type J or K to be specified at order, **6 channels**
- 1 Vacuum electronic gauge for bag quality monitoring. This value is monitored permanently, displayed and recorded
- Sensing precision: temperature better than 0,4 °C /0,8°F; vacuum better than 0,050 bar/1,5 in Hg

### ALARMS

- Audible alarm, messages and alarm Icons on screen

### VACUUM GENERATION

- Venturi pump **built in**: with protection for no contamination by water or by oil
- high performances; vacuum limit 80 mb; flow: 121NI/mn or 4,3 cfm

### PROGRAMMING

- Easy field programming of temperature and duration of Ramp up and plateau cycles (up to 2 plateaus)  
Up to 5 complex cycles can be installed in memory from PC

### CYCLE DATA ANALYSIS & REPORTING

- Cycles data are stored in memory and can be collected through a USB Key to be analysed on a PC.

### CALIBRATION

- Easy calibration through PC dialogue (software provided)

## DELIVERY CONTENT LIST

The Anita comes with all its necessary accessories :

- A Power cable: 1 unit, length 5 m (16 ft.)
- Blanket cable: 1 unit, length 3 m (10 ft)
- Ground Cable: 1 unit, length 3 m (10 ft)
- Vacuum Silicone Hose: 1 unit for pumping line, length 3 m (10 ft.)
- Vacuum Silicone Hose: 1 unit for return sensing of a bag, length 3 m (10 ft.)
- 2 Vacuum valves,
- Thermocouple cables: Qty 6 ; 3 m long (10 ft.): type J in standard version (type K on request)
- PC Anitalk © software for reporting and calibration
- A User and Service Manual.



## REFERENCES TO ORDER

- **Anita Bonding controller P/N:GMIQS1Z**
  - specify J or K according to type of thermocouples
- Standard colour green

## HEATING BLANKETS OR RADIANT PANEL

All types possible. Consult us

