

Connectivity

Enlarged
Screen Panel

Wireless Terminal

Intuitive Interface

24 thermocouples

2 zones

Anita 4.

THE SYNONYM OF HOT BONDER

ADVANCED HOT BONDER FOR COMPOSITE REPAIRS

P/N : GMIA4N21

RELIABLE AND EFFICIENT CURING OF COMPOSITE REPAIRS

The Anitas Hot Bonders are **recognized worldwide** by **MROs and aircraft manufacturers** as the most appropriate equipment for **bonding of composite aircraft structures**. Their design and process handling benefit of forty years of GMI AERO commitment in **composite manufacturing and repair**. 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, while including several sophisticated features**.

In a small compact box, the Anita controls the **heating process under vacuum for a repair on composites or metal structures**. It is specially conceived to reach **maximum performances on small or large surfaces**, on thin or thick structures and on structures with variable thermal reaction.

Anita can drive various **heating systems like heating blankets, infra red systems, hot air blowers**, in order to reach the best temperature homogeneity using a variety of control modes.

ANITA 4.0 STANDARD ACCESSORIES

ACCESSORY CASE	High Impact Resistant
POWER CABLE	1 unit of 5 m
BLANKET CABLE	2 units of 3 m
VACUUM SILICONE HOSES	2 units of 3 m
VACUUM VALVES	2 units
THERMOCOUPLES (J or K)	24 cables

ANITA 4.0 TECHNICAL SPECIFICATIONS

POWER SUPPLY	120V / 230V Automatically Selected
HMI	10.4" Touch Screen
REMOTE DATA ENTRY	Wireless Terminal
HEATING ZONES	2 Fully Independent or Combined
THERMOCOUPLES (J or K)	24 Lines Combined in 1 or 2 Zones
T/C MODE OPTIONS	Control / Monitoring / Disabled
VACUUM SENSORS	2 Fully Independent or Combined
ENVIRONMENTAL SENSORS	Ambient Temperature & Humidity
CURING CONTROL MODE	5 Changeable Options
PID ALGORITHM	Adaptive Auto / Manual Settings
MENU LANGUAGES	8 Selections
CURING PROGRAMMING	Intuitive Recipe Manager
RECIPE LIBRARY CAPACITY	200 Recipes
CURING CYCLE RECORDS	1.000 Curing Cycles
SAFETY	Emergency STOP Button
QUALITY CONTROL	Variety of Thresholds & Alarms
BLANKET TESTING	Automatic upon Cycle Start
CASING	Metallic - High Impact Resistant
DIMENSIONS	38x27x29cm (15x11x12in)
WEIGHT	9kg (20lbs)
VENTURI / VACUUM PUMP	Optional
PRINTER (BLUETOOTH / USB)	Optional



GMI
AERO

EXPERTISE AND INNOVATION
FOR COMPOSITE REPAIR



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DIGITALIZATION OF AIRCRAFT MAINTENANCE

- Thermal Mapping Apps
- Polyvalent Reporting Tool
- Multi-Console Supervision
- Remote Maintenance Apps
- Enhanced Training Apps
- Digital-Physical Twin

**WATCH
ANITAS CLOSER
IN OUR VIDEOS!**



ANITA 4.0 is accompanied by a variety of Network Applications (NetApps) to introduce Bonded Composite Repairs in the Digital Aircraft Maintenance Era. On top of ANITA 4.0 embedded curing control functions, innovative NetApps have been elaborated to facilitate repair monitoring, transfer of curing data and reporting, support equipment fleet management and remote maintenance, as well as enable training and development of digital and physical repair twins.

ANITA 4.0 WIRELESS TERMINAL FEATURES

HMI	5" Touch Screen
PHOTOS / VIDEOS	13MP Rear Camera
T/C, BLANKET, OPERATOR DATA	QR Reader
REMOTE CURING MONITORING	Screen Summary
REMOTE CURING ALERTS	Sound / Vibration / Light
NETAPPS	Screen Projection
DOCKING	ANITA Lower Panel
CHARGING	Standard USB

ANITA 4.0 CONNECTIVITY CHARACTERISTICS

USB	4 Ports
WIFI	Embedded Antenna
ETHERNET	1 Receptable
4G/5G	USB Dongle
BLUETOOTH	1 Antenna
NETAPPS	WiFi/Ethernet/4G/5G
GMI CLOUD	WiFi/Ethernet/4G/5G



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