

HOT BONDER

AHB380Q V3

4 ZONES – HOT BONDER

This Hot bonder unit is able to operate as four independent single zone units.

It is ideal for complex repairs with different materials and sections.

Each zone can operate independently of each other.



IDEAL FOR

- ✓ 4 repair zones
- ✓ 5 TCs per zone

ADVANTAGES

- ✓ Easy Mode
- ✓ Data acquisition
- ✓ Unlimited programs
- ✓ 2 Quiet Venturi
- ✓ 4 types of report
- ✓ Dual Circuit breaker

MAIN FEATURES

- ✓ Weight: 12 kg
- ✓ 4 heating connectors
- ✓ 8.4" TFT touch screen
- ✓ 32 Amp
- ✓ 20 TC baseplates
- ✓ 5 TC baseplates per zone
- ✓ 2 USB ports

OPTIONS

- ✓ Accessory case : 3 levels
- ✓ SMS Alarm
- ✓ Remote screen on touch tablet smartphone & laptop
- ✓ Calibration software
- ✓ Composite repair training

4 ZONES - HOT BONDER

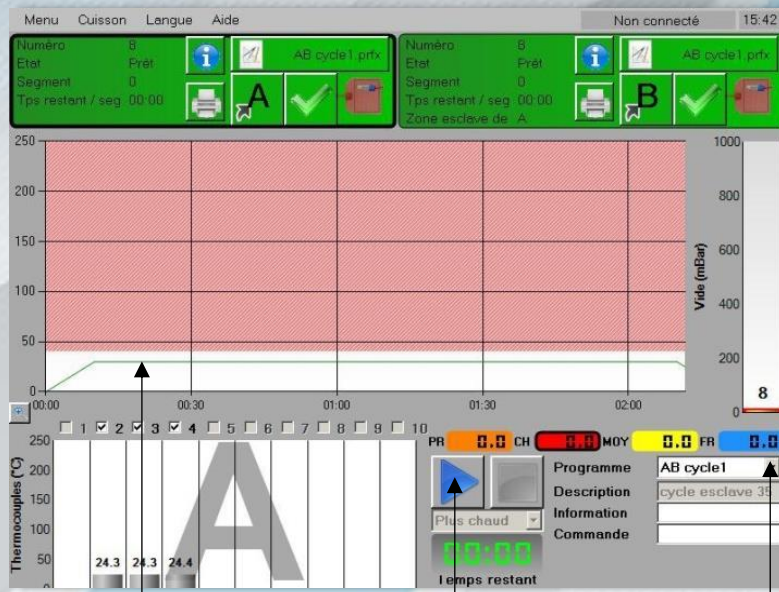


- ✓ 4 independent heating zones: ABCD
 - ✓ 20 thermocouples
 - ✓ 5 thermocouples per zone
 - ✓ 32 Amp total
 - ✓ 16 Amp for 2 zones (A/B or C/D)
- Example of using Zone A/B: 15 Amp Zone A & 1 Amp Zone B

EASY MODE™ :

A user without training can run a cure **in 2 clicks**.

You do not need to be logged in.



Program to be run

Click 2 : Press to run

Click 1 : Select the program among the list

SPECIFICATIONS & FEATURES :

PHYSICAL PROPERTIES	
Weight	12 Kg
Size	525 x 440 x 210 mm
Display Type	200Mm Full color, High brightness 8,4" TFT screen
Input power	100 to 240 VAC self sensing
Input amperage	32 Amp
Circuit Breaker	16A on zone AB or CD (total : 32 A)
GFCI	30mA
Vacuum	Venturi
Vacuum level	900 mbar (26,5 in Hg)
Vacuum measurement	2
Thermocouple type	J or K
Thermocouples per zone	5
Heating systems	Heater mat, IR Lamp, Hot gun
USB Port	2 ports (memory stick and external devices)
Printer	Matrix printer with paper 57mm width

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SOFTWARE PROPERTIES	
Multi languages	Yes
Units of measure	F°/C° mbar/bar/mmHg/inHg/PSI
Password protection	3 levels
Number of dwell	8
Modify a program in process	Yes
Parameters recorded	Set point, All thermocouples temperature, vacuum, events and alarms
Frequency recording	Every 2 seconds
Deselection of thermocouples during the cure	Yes
Control mode	Hottest, Average, Coldest or TC 1 to 5
Power failure recovery	Yes with printed notification
Alarm	Color visual and audible designation of all alarm states
Programmable without a personal computer	Yes
Number of storable cure programs	Unlimited
Number of stored cured data	Unlimited
Tracking chart values	Yes, during and after the cure
Data Acquisition (DAQ)	Yes

REPORT	
Print out	Yes
Print interval	1 to 10 000 seconds
Number of print out stored cure data	Unlimited
Report type	CSV, PDF and print out at once
Report content	Show all information about the cure for traceability, including alarms and events logs on PDF format.

ALARM	
Thermocouples breaks	Yes
High and low deviation process	Yes
Over Temperature	Yes
Low vacuum	Yes
Power failure	Yes

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SMS ALARM	
Choice of events :	
- Out of band	Yes
- Over temperature	Yes
- TC problem	Yes
- 100% heating	Yes
- Vacuum level	Yes
- Power failure	Yes
- End of cure	Yes
Phone number alerted	1 to 5
SMS Test	Yes
Check the data curing on process	Yes by sending SMS
Alert	SMS and audible alarm
Type of issue mentioned in the SMS	Yes



SMS Module

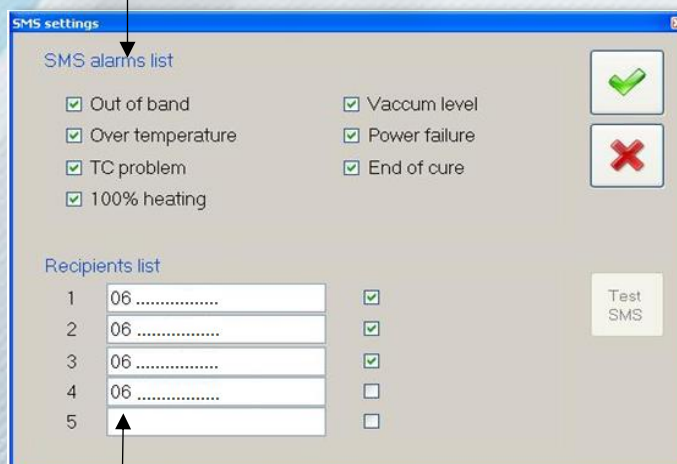
ACCESSORIES	
SMS Box	1
Data Cable	1
Main Power Cable	1
SIM Card	Not included

PHOTOS & PICTURES OPTION SMS :



Click 1: Press the logo to select the SMS option, before starting the cure.

Click 2: Select the types of alarm

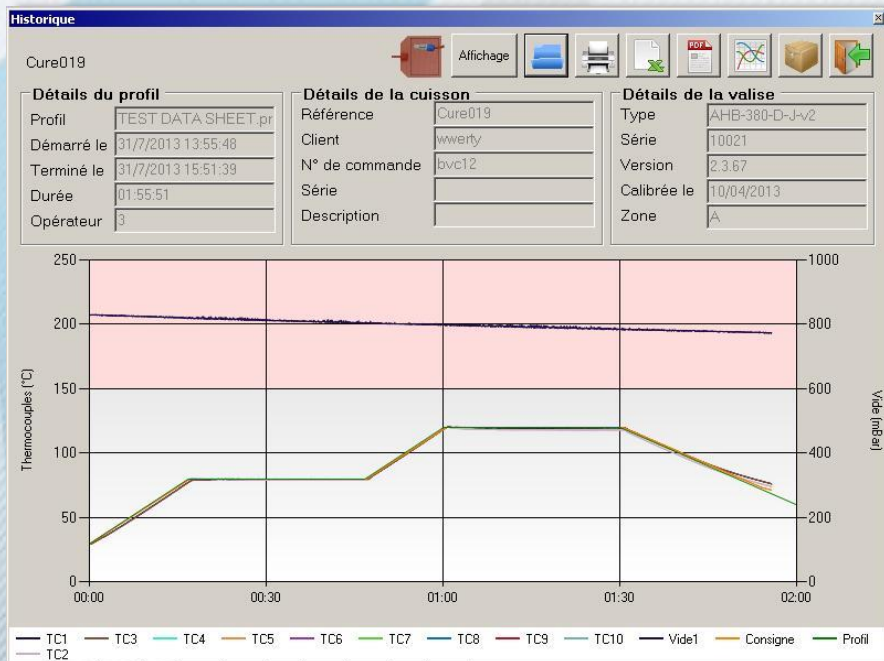


Click 3: Implement mobile numbers.

SCREENSHOTS:



Cure control on this screen



Analyse the cure in details

The three different print out of the cure results:

Options of reports



1. PDF Format



2. CSV Format

Time elapsed	Hottest	Average	Coldest	Set Point	Heat %	Amp	Vacuum (mBar)	TC1 (C)	TC2 (C)	TC3 (C)
0	29.6	29.6	29.6	29.7	0	0.1	830	29.6	29.6	29.6
2	29.7	29.7	29.7	29.9	1	0	830	29.7	29.7	29.7
5	29.7	29.67	29.6	30.0	3	0	829	29.6	29.7	29.7
7	29.8	29.73	29.7	30.1	3	0	830	29.7	29.8	29.7
9	29.8	29.67	29.6	30.2	4	0	830	29.6	29.8	29.6
12	29.9	29.7	29.6	30.3	5	0	828	29.6	29.9	29.6
14	30.1	29.9	29.8	30.5	4	0	829	29.8	30.1	29.8
16	30.1	29.87	29.7	30.6	4	0	829	29.7	30.1	29.8
19	30.2	29.97	29.8	30.7	5	0	830	29.8	30.2	29.9
21	30.3	30.03	29.9	30.8	5	0	829	29.9	30.3	29.9
23	30.4	30.13	30	30.9	6	0	829	30	30.4	30
26	30.5	30.27	30.1	31.0	5	0.1	829	30.2	30.5	30.1
28	30.6	30.27	30.1	31.2	6	0.1	830	30.1	30.6	30.1

3. Paper Ticket Format

