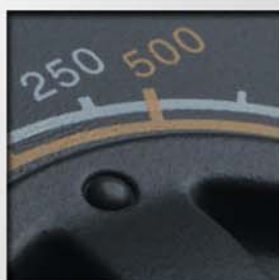


catalogue 05

JBC



ADVANCED
series



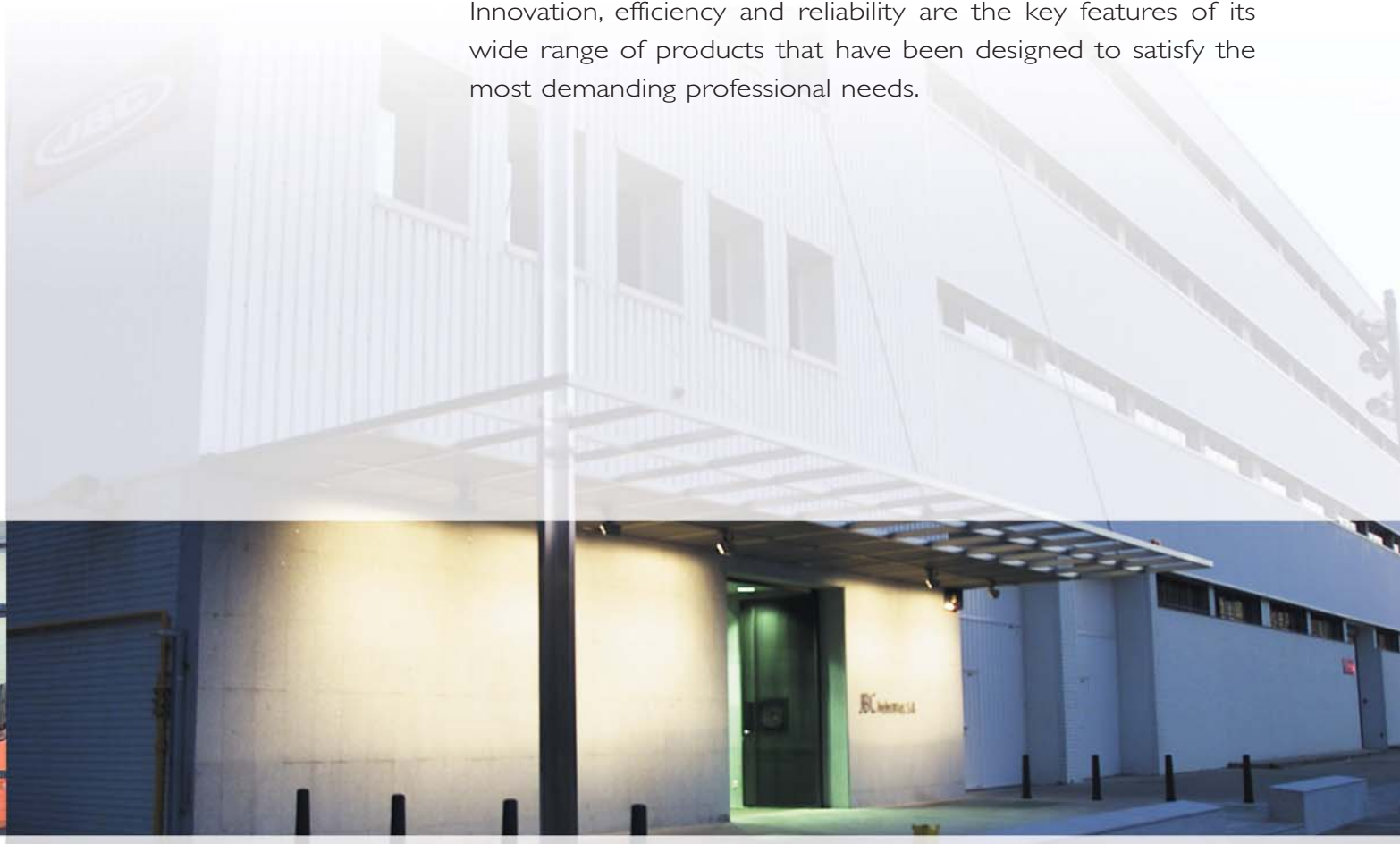
JBC

JBC



JBC, THE POWER OF EXPERIENCE

75 years of specialised experience have placed JBC in the technological forefront for soldering equipment and tools. Innovation, efficiency and reliability are the key features of its wide range of products that have been designed to satisfy the most demanding professional needs.



High technology, superior quality.

JBC has a continuing product improvement and development programme. This has resulted in its Research and Development Department creating the most innovative soldering technologies, like the Advanced Series introduced in this catalogue.

JBC a worldwide organisation at your service

With a distributor network in five continents, JBC is a solid commercial organisation that guarantees a quick and efficient service.

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- Overview on the Advanced range [Page 10](#)
- Products:

CONTROL UNITS
[Pages 12, 13](#)
SOLDERING STATIONS KITS
[Page 14](#)



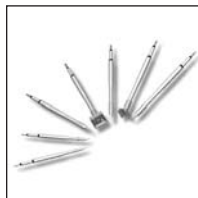
DESOLDERING STATIONS
[Pages 26, 36](#)

SOLDERING IRONS
[Pages 15, 16](#)



REWORK STATION
[Page 28](#)

CARTRIDGES
[Pages 15, 17](#)



MULTI-TOOL SYSTEM
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SOLDER FEED STATION
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MODULAR SYSTEM
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STANDS - ACCESSORIES
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The exclusive and new JBC microprocessor driven heating system ensures such a fast heat recovery that it enables performing at lower temperatures than before and improving a 80% the efficiency of the station.

ADVANCED serie introduces the new modular stackable concept of the single units in order to make a multifunctional station set.

We invite you to discover their outstanding performance for yourself. You can also contact any of our distributors who will be able to help you.

Structure of the soldering system.

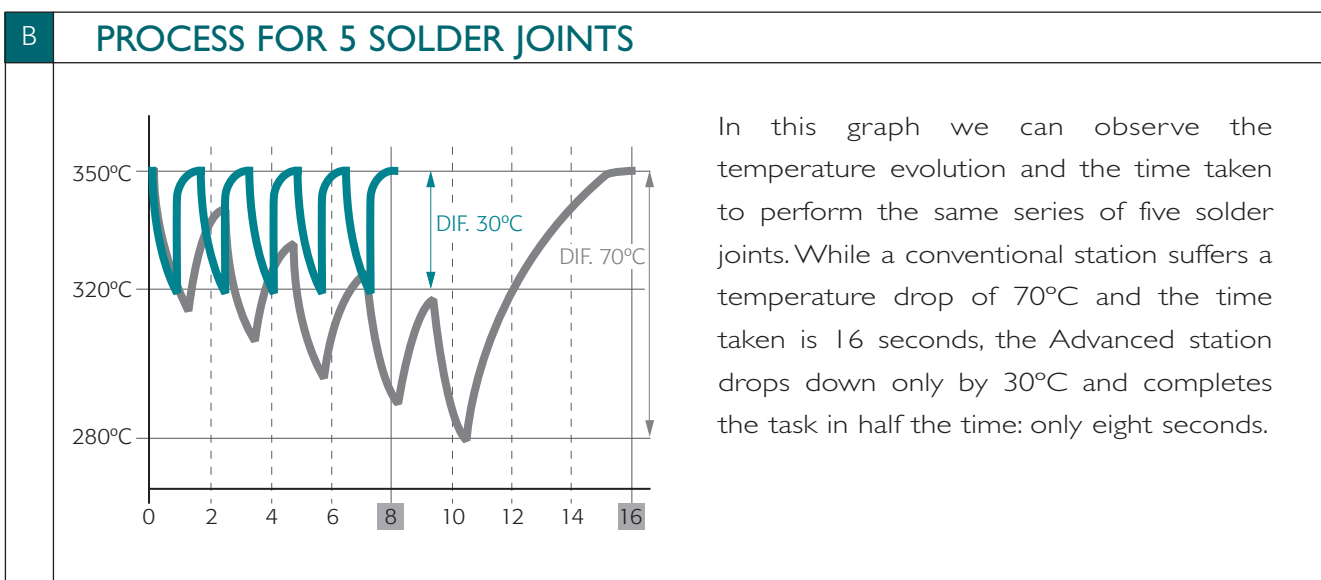
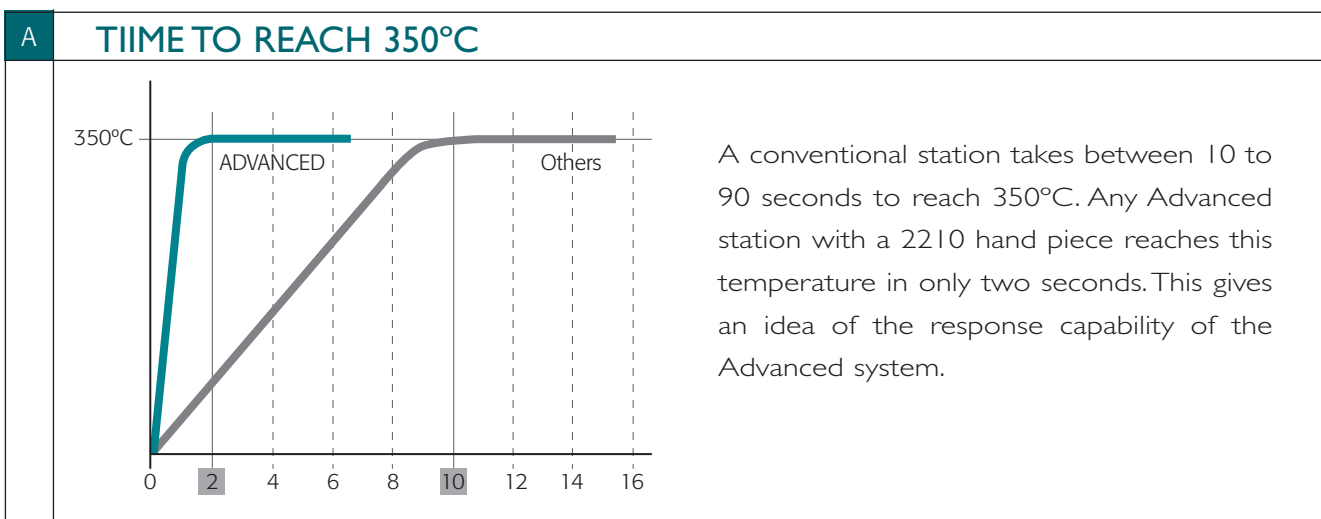
In order to offer the highest flexibility and to adapt the system to the task, the Advanced series is divided into modules that are supplied independently:

- Control units
- Iron handpiece models
- Hot tweezers
- Cartridge range
- Independent stands

Precompiled kits are also available.

By controlling the heat, we improve quality.

The Advanced technology gives an 80% improvement over the performance of the best soldering stations available in the market. In the following graphs, based on practical tests, we show this superiority.



A NEW AND REVOLUTIONARY TECHNOLOGY



The exclusive JBC heating system achieves a high heating power in a very small size cartridge. This means that the mass to be heated is minimal and therefore the thermal inertia is also minimal. In addition, the system is provided with a high sensitivity temperature sensor element integrated within the resistance for optimum performance- instant temperature recovery, maximum power, and minimum temperature fluctuations.

ERGONOMICS AND USABILITY IN A HIGH PRECISION SYSTEM

The Advanced soldering irons are currently the lightest, smallest and most ergonomic handpieces available, offering the shortest tip-to-handle distance and a higher working performance.

OUTSTANDING TIP-LIFE: LASTS UP TO FIVE TIMES LONGER

As soon as the soldering iron is left on the stand, the tip temperature automatically drops to 250 °C, decreasing the wear on the tip, resulting in a working life three to five times longer than that of a conventional tip. When the soldering iron is taken out of the stand again, the tip temperature is instantaneously recovered. The sensor-resistance set is shielded to make it indestructible.

LOW-TEMPERATURE SOLDERING: MINIMUM RISK OF DAMAGE, EVEN FOR LEAD-FREE SOLDERING

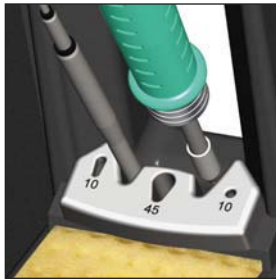
In comparison with conventional stations, soldering at 450°C, the Advanced series allows soldering at much lower temperatures with a maximum of 370°C.

Thanks to its fast temperature recovery system, it eliminates the risk of damaging the components by applying excessive heat and therefore optimising the process quality.

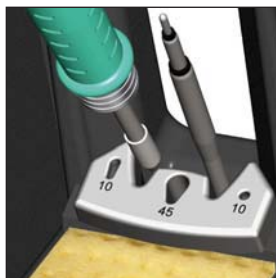
TWO SOLDERING IRONS IN ONE: PRODUCTIVITY INCREASE

The cartridge extractor system in the stand and the instant heat response enable switching cartridge models without interrupting work, resulting in multiple soldering irons in one.

On the other hand, the control units have a system that detects when the iron is in the cartridge extractor stand and automatically shut-off.



Place the handpiece in the cartridge extractor and pull the handpiece till remove the cartridge.



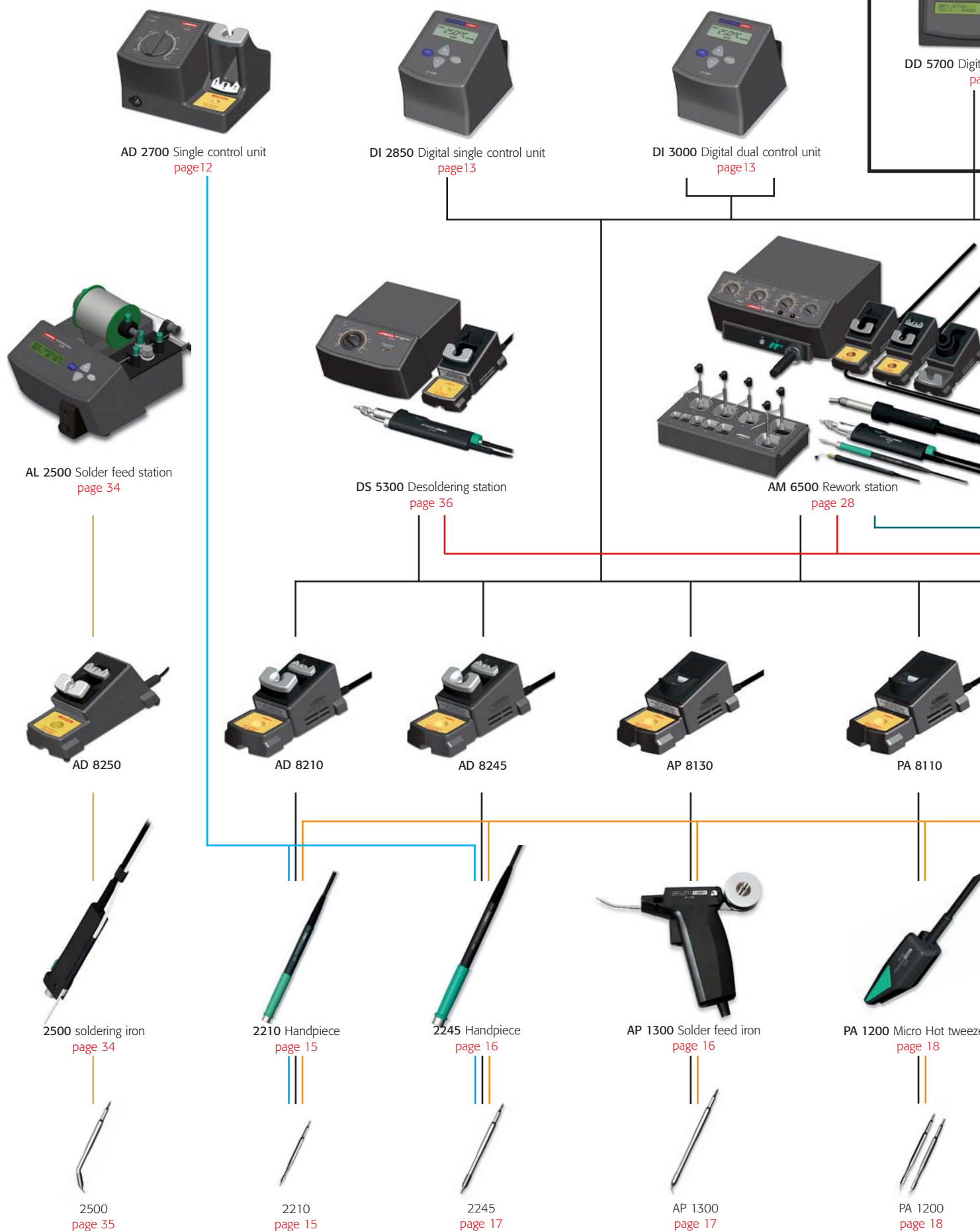
Place the empty handpiece over the new cartridge, press it slightly down and remove the handpiece.

EASY CALIBRATION

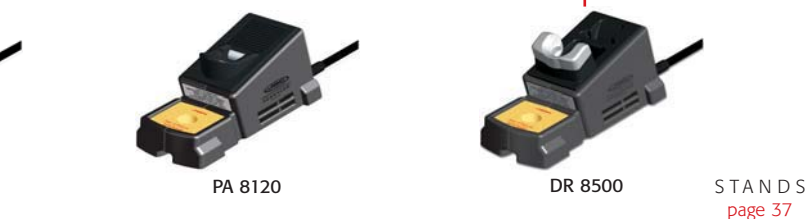
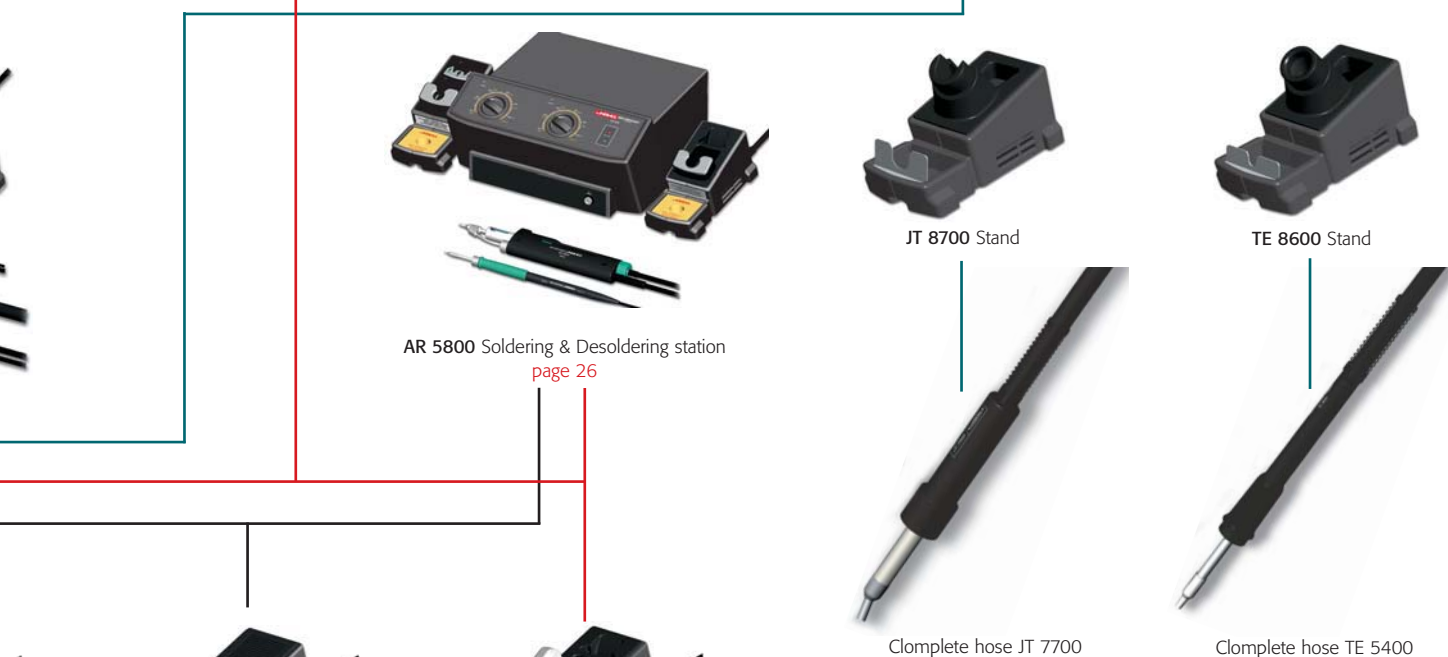
Since the Advanced technology is based on a microprocessor drive, it is not necessary to recalibrate any of the Advanced Stations but, if required, calibration of the soldering tips can easily be done thanks to the TI 2800 Thermometer and the AC 2600 Console.

Overview on the Advanced range

In order to offer the highest flexibility and to adapt the system to the task, the Advanced series is divided into modules, control units, iron handpiece models, hot tweezers, cartridge range and independent stands, that can be supplied independently, and connect as shown in the following figure:



CARTRIDGE RANGES



SINGLE CONTROL UNIT

AD 2700 230V Ref.: 2700200

Control unit AD 2700 is the basic control unit that allows operation alternatively with a 20w or 50W soldering iron, covering all electronics soldering requirements.

The stand for the soldering iron is integrated with the control unit and is "intelligent" which means it is aware when the soldering iron is in the stand and reduces the temperature, remaining in the "sleep cycle". The stand incorporates a tip extractor/inserter, which allows the use of two types of tip.

For temperature control and other characteristics, a microprocessor is used enabling the AD2700 to offer a high productivity and the lowest cost of ownership ever.

NOTE: The AD 2700 does not allow for any hot tweezers to be connected.

SPECIFICATIONS

- Power 75W
- Total peak power 140W
- Nominal soldering iron power: 20W o 50W
- Temperature selection between: 100 - 400°C
- Antistatic control box with "skin effect"
- Weight: 5,73 lbs. / 2,6 kg

For a complete soldering station the following is needed:

- Control unit.
- Any iron handpiece.
- Any cartridge corresponding to its iron handpiece.



DIGITAL CONTROL UNITS

SINGLE DI 2850 230V Ref.: 2850200

DUAL DI 3000 230V Ref.: 3000200

Control units featuring digital read-out for precise temperature and tool control. The single unit DI2850 operates 1 tool while the dual DI 3000 controls 2 tools.

The Dual control unit DI 3000, allows you to work with one tool and have the other tool in its stand at "sleep" temperature. To switch, just place back one tool in its stand and take out the other.

All soldering handpieces and hot tweezers of our Advanced range can be used with the DI 2850 and the DI 3000, always using the corresponding stand.

Includes all basic advantages and characteristics featured in the rest of our Advanced stations.

See page 37 for stands

SPECIFICATIONS	
	<ul style="list-style-type: none">• Power 75 W.• Total peak power 140 W• Nominal soldering iron power: 20 o 50 W.• Temperature selection: 100 - 400 °C.• Antistatic selection box with "skin effect".• Weight: 2,5 kg

For a complete soldering equipment the following is needed:	
	<ul style="list-style-type: none">• Control unit.• 1 or 2 of any iron hand piece with its corresponding stands and cartridges and/or:• 1 or 2 of any hot tweezers with its corresponding stands and pair of cartridges.



MORE INFORMATION:

www.jbctools.com

SOLDERING STATION KITS

In order to offer the highest flexibility and system to task adaptability, the Advanced series is divided into modules. However, sometimes the user asks for a complete solution and wants to buy a complete tool, that is why JBC offers to all their customers the new ADVANCED KITS.



AD 2700 - 2245 Kit 230V Ref.: 2700230

Includes:

- AD 2700 control unit Ref.:2700200
- 2245 handpiece Ref.: 2245000
- 2245-003 cartridge Ref.: 2245003

AD 2700 - 2210 Kit 230V Ref.: 2700232

Includes:

- AD 2700 control unit Ref.:2700200
- 2210 handpiece Ref.: 2210000
- 2210-001 cartridge Ref.: 2210001



DI 2850 - 2245 Kit 230V Ref.: 2850230

Includes:

- DI 2850 digital control unit Ref.:2850200
- 2245 handpiece Ref.: 2245000
- AD 8245 stand Ref.: 0788245
- 2245-003 cartridge Ref.: 2245003
- 2245-006 cartridge Ref.: 2245006

DI 2850 - 2245 comfort Kit 230V Ref.: 2850233

Includes:

- DI 2850 digital control unit Ref.:2850200
- 2245 comfort handpiece Ref.: 2245110
- AD 8245 stand Ref.: 0788245
- 2245-003 cartridge Ref.: 2245003
- 2245-006 cartridge Ref.: 2245006

DI 2850 - 2210 Kit 230V Ref.: 2850231

Includes:

- DI 2850 digital control unit Ref.:2850200
- 2210 handpiece Ref.: 2210000
- AD 8210 stand Ref.: 0788210
- 2210-001 cartridge Ref.: 2210001
- 2210-009 cartridge Ref.: 2210009

DI 3000 - 2245 Kit 230V Ref.: 3000230

Includes:

- DI 3000 digital control unit Ref.:3000200
- 2245 handpiece Ref.: 2245000
- AD 8245 stand Ref.: 0788245
- 2245-003 cartridge Ref.: 2245003
- 2245-006 cartridge Ref.: 2245006

DI 3000 - 2245 comfort Kit 230V Ref.: 3000231

Includes:

- DI 3000 digital control unit Ref.:3000200
- 2245 comfort handpiece Ref.: 2245110
- AD 8245 stand Ref.: 0788245
- Cartucho 2245-003 Ref.: 2245003
- Cartucho 2245-006 Ref.: 2245006

DI 3000 - 2210 Kit 230V Ref.: 3000232

Includes:

- DI 3000 digital control unit Ref.:3000200
- 2210 handpiece Ref.: 2210000
- AD 8210 stand Ref.: 0788210
- 2210-001 cartridge Ref.: 2210001
- 2210-009 cartridge Ref.: 2210009

SOLDERING IRON HANDPIECES

Three soldering iron models with a wide range of adaptable cartridges can be connected to the ADVANCED control units.

2210 HANDPIECE Ref.: 2210000



Real Size

- 20w • For work such as soldering involving SMDs.
- To be used with 2210 cartridges.

CARTRIDGES RANGE

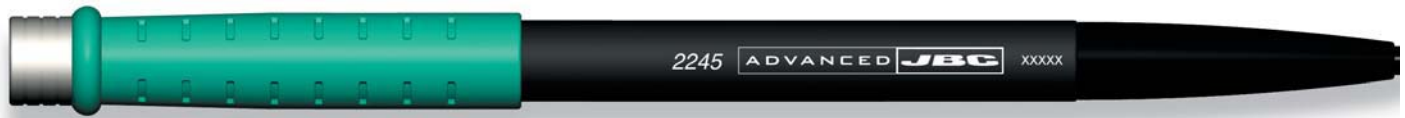
2210			
 2210-009	 2210-005	 2210-004	<p>Fine pitch</p> 2210-012
 2210-001	 2210-002	 2210-006	
 2210-013	 2210-010	 2210-008	
 2210-003	 2210-014	 2210-007	

Scale 1:1

SOLDERING IRON HANDPIECES

2245 HANDPIECE

Ref.: 2245000



- 50W • For general soldering work in professional electronics • To be used with 2245 cartridges.

Comfort HANDPIECE

Ref.: 2245110



Real Size

- 50w • Neoprene grip, thermally isolating and giving more comfort to the user. Ideal for intensive soldering. 2245 cartridges.

SOLDER FEED IRON

AP 1300

Ref.: 1300000

Provides a "third hand" in soldering by feeding solder wire from 0.8 to 1.2 mm. Especially advantageous in high volume soldering and wherever an extra hand is needed.

You can connect it to any of our Advanced stations except for AD 2700, JT 7700 and TE 5400.

- Supplied with cartridge 2245-204 Ref.: 2245204.

	Spare solder reels for the AP 1300
	<p>The soldering irons are fitted with 50g reels of 1mm diameter; 60% Sn /40% PB solder. Solder feed from external high-capacity reels can be arranged. Ref.: 0552315</p> <p>Also available, Lead free spare solder reel 95,5% Sn / 3,5% Ag with 50g solder of Ø1mm. Ref.: 0002119</p> 

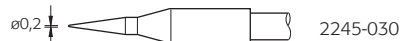


MORE INFORMATION:

www.jbctools.com

CARTRIDGES RANGE

2245



2245-030



2245-032



2245-036



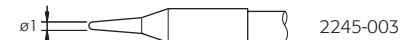
2245-037



2245-001
2245-201*



2245-057



2245-003



2245-043



2245-033



2245-029



2245-034
2245-234*



2245-035



2245-004
2245-204*



2245-259*



2245-260*



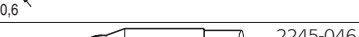
2245-062
2245-262*



2245-063
2245-263*



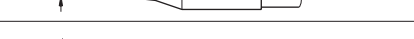
2245-046
2245-246*



2245-005



2245-045
2245-245*



2245-012
2245-212*



2245-256*



2245-051



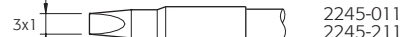
2245-006
2245-206*



2245-044



2245-007



2245-011
2245-211*



2245-061
2245-261*

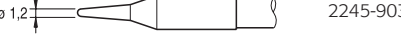


2245-008
2245-208*

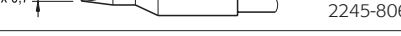
LEAD-FREE CARTRIDGES



2245-930



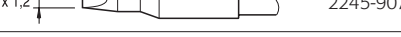
2245-903



2245-906
2245-806*



2245-944



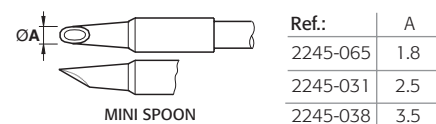
2245-907



2245-908
2245-808*

These cartridges are made to last longer in lead-free processes because of their extra tough plating.

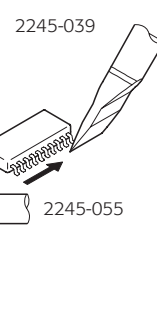
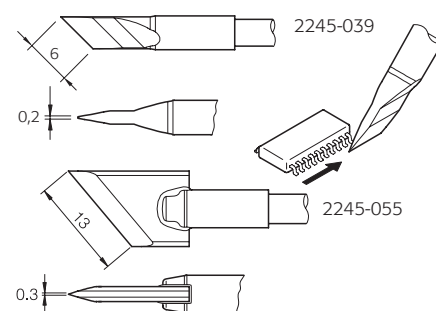
MULTI-LEAD SOLDERING CARTRIDGES



Ref.:	A
2245-065	1.8
2245-031	2.5
2245-038	3.5

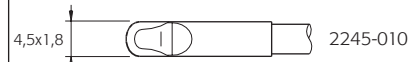
MINI SPOON

BEVEL EDGE TIPS



2245-009

QFP

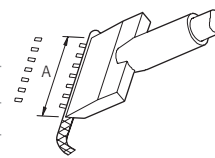


2245-010

PLCC

BLADE TYPE

Ref.:	A mm
2245-014	10
2245-013	21
2245-049	32



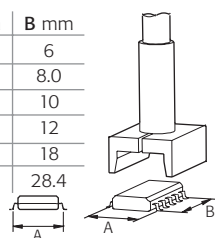
CHIPS COMPONENTS

Ref.:	A mm
2245-016	1.9
2245-017	2.2
2245-018	3.4
2245-019	4.5



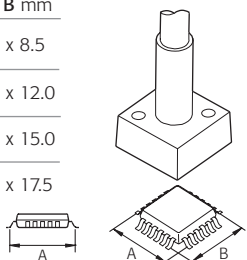
DUAL IN LINE IC

Ref.:	A mm	B mm
2245-220	5.9	6
2245-250	5.9	8.0
2245-221	5.9	10
2245-222	7.5	12
2245-215	9.6	18
2245-226	14.6	28.4



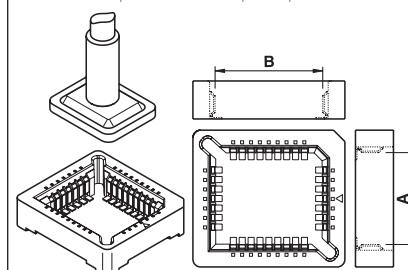
QFP AND PLCC

Ref.:	A x B mm
2245-223	8.5 x 8.5
2245-224	12.0 x 12.0
2245-228	12.4 x 15.0
2245-227	17.5 x 17.5



FOR PLCC SOCKETS

Ref.:	Nr of contact positions	A	B
2245-248	32	11,9	14,5
2245-247	44	17,0	17,0



Scale 1:1

* These cartridges have a total length of 20mm, which is longer than the normal cartridges, allowing them to reach places with difficult access and are compatible with the AP 1300 solder feed iron.

NOTE: For the time being, Version 1 handpieces and cartridges will exist parallel to Version 2 products displayed in this catalogue. Version 1 is indicated with 20 instead of 22 as first two digits of the reference.

MICRO HOT TWEEZERS

PA 1200

Ref.: 1200000

Designed to perform soldering and desoldering on SMD components, from micro-components up to medium sized ones.

Each cartridge is individually controlled by the microprocessor located inside the control unit, ensuring fast heat-up, accuracy and recovery.

The range of cartridges available allows desoldering of the smallest sized components.

The PA 1200 micro tweezers can be connected to any Advanced soldering station, except for the AD 2700, JT 7700 and TE 5400.

SPECIFICATIONS

- Effective power per cartridge fitted 20W.
- Weight of PA 1200 micro tweezers without cartridge or cable 0.4 oz. / 40g.
- No cartridges supplied.



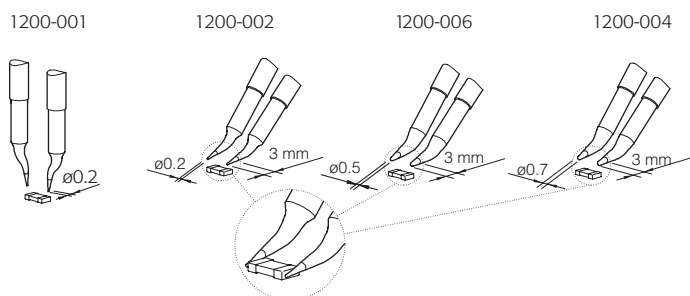
Real size



Cartridges PA 1200

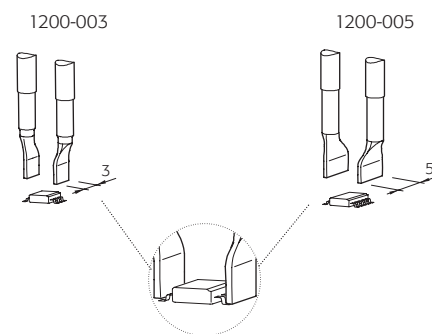


CHIPS COMPONENTS



Supplied individually

DUAL IN LINE CI



Scale 1:1

HOT TWEEZERS

PA 4200 Ref.: 4200000

Especially designed to desolder and solder small and medium sized SMDs. A cable strip cartridge is also available.

Each cartridge is individually controlled by the microprocessor located inside the control unit, ensuring fast heat-up, accuracy and recovery.

Details of our wide range of cartridges are shown below.

The PA 4200 tweezers can be connected to any Advanced soldering station, except for the AD 2700, JT 7700 and TE 5400.

SPECIFICATIONS	
	<ul style="list-style-type: none">• Effective power per cartridge fitted 50W.• Weight of PA 4200 tweezers without cartridge or cable 0.5oz / 50g.• Supplied without cartridges.



Real size

Cartridges PA 4200

CHIP COMPONENTS

Ref.:	A
2245-271	1.5
2245-272	2.5

FOR QFP AND PLCC

Ref.:	A
2245-279	8.0
2245-280	11.0

BLADE TYPE

Ref.:	A
2245-283	50

DUAL IN LINE CI

Ref.:	A
2245-273	4.0
2245-274	6.0
2245-275	8.0
2245-276	10.0
2245-277	15.0
2245-278	20.0

Supplied individually

CABLE STRIPPER

Ref.:	A
2245-281	3.5 max.
2245-282	

Scale 1:1

MORE INFORMATION:
www.jbctools.com

19

MODULAR ADVANCED SYSTEM

There are 4 new modular units, (pages 22 to 25), which can be combined in a stack to optimise the use of bench-space.

A station can be set up with different combinations, the combination can be adjusted with modules and tools depending on the user needs.

The modular composition showed in the picture, incorporates high power hot air and two digital control units that can run a variety of 6 tools.



PA 4200



DM 6700 4 Tool control unit

DD 5700 Digital dual control unit

JT 7700 Hot air station

Featured in this configuration:

The 2245 is the soldering handpiece for general use, while the 2210 is designed for high precision applications.

The PA 1200 microtweezers are the optimum tool for rework of small SMT components.

With the PA 4200 a variety of QFP's, PLCC's and dual in line's can be desoldered.

The JT 7700 hot air tool offers 900W of closely controlled power for desoldering SMD.

The DR 5600 desoldering iron provides the heat transfer and power needed to safely desolder through-hole components.



JT 7000



DR 5600



HIGH POWER HOT AIR STATION

JT 7700 230V Ref.: 7700200

The JT 7700 is used for desoldering all types of SMDs.

Its powerful heater enables quick and safe desoldering of even the biggest QFPs and PLCCs. In addition to this, it desolders small and medium sized BGA's in a very reduced time span.

Digital read-out temperature allows more precision and control tool.

The system, exclusive to JBC, uses extractors/protectors and hot air, and allows desoldering in a quick, safe and clean way while protecting the surrounding components by concentrating the heat onto the IC.

A medium-sized QFP, for example, can be desoldered in 20 seconds.

SPECIFICATIONS

- Air pump for hot-air with electronic control of temperature and air flow.
- Vacuum pump for holding ICs.
- Power 900W.
- Temperature selection:
°C o °F
150-450 °C and "cool".
- Air flow regulation:
6-45 l/min.
- Antistatic control box "skin effect".
- Weight of complete system:
24 lbs. / 8,7 kg.

JT 7700 INCLUDES

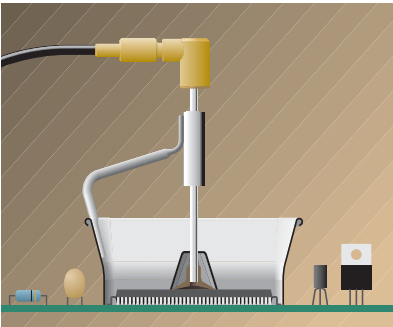
- Control unit Ref.: 7700300 (230V) with 900W heater
- Extractor stand with 5 extractors, 5 protectors and two tripods.
- Control pedal, heater stand and set of accessories.



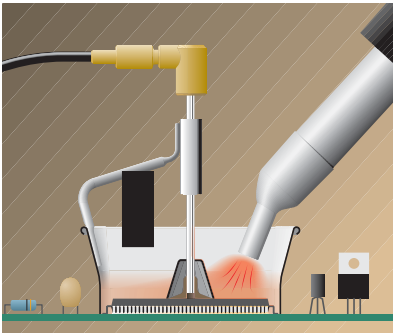
MORE INFORMATION:

www.jbctools.com

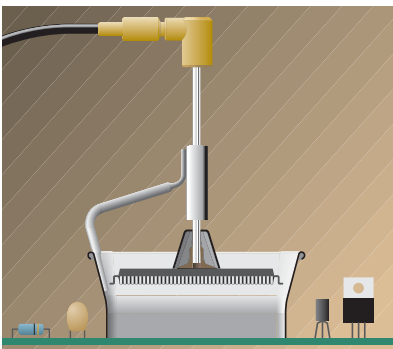
Process to desolder an IC with a JT 7700 station



1. Fix the extractor.





2. Hot-air melts the solder.




3. IC is removed automatically.


The time needed to desolder a medium-sized IC is only 20 seconds.

PROTECTORS			
			
Ref.:	A mm	B mm	
0934035	9	13	
0934040	9.5	19	
0934080	9.5	21	
* 32 0932220	10	10	
0934045	10.5	21	
0934090	11	16	
* 24 0932235	12	17	
* 44 0934000	12.5	12.5	
0934025	13.5	21.5	
* 48 0932230	15	15	
* 60 0934010	17	17	
0934030	18.5	18.5	

EXTRACTORS			
			
Ref.:	A mm	B mm	
* 52 0932052	20	20	
* 64 0932064	20	26	
* 80 0932184	24	24	
* 68 0932068	27	27	
0934020	28.5	28.5	
0934015	31.5	31.5	
* 84 0932084	33	33	
100 0932100	38	38	
124 0932124	45	45	

A and B are inner working areas.

TRIPODS		
		
Ref.:	Ø C	
* 20 0932050	39	
* 40 0932250	85	

MANUAL EXTRACTORS	
	
Ref.:	
0932190	Manual extractor

* Supplied with station

PRECISION HOT-AIR STATION

TE 5400 230V Ref.: 5400200

The TE 5400 station is ideal for desoldering and soldering small and medium sized SMD's by hot-air. Its compact handpiece and selection of accessories make it the ideal tool for rework on small and dense PCB'S. It takes about 30 seconds to desolder a medium sized component, quick enough to prevent the substrate and component from heating up to a dangerous temperature. In combination with the unique system of extractors, which process is explained on page 23 of this catalogue, it provides the safest hot air desoldering system in the market.

The station has a digital temperature control feature as well as a regulated and accurate air flow, allowing desoldering SMD's safely, even on a heavily populated PCB's.

SPECIFICATIONS

- Autonomous hot air station, digital, thermo regulated with air flow control.
- Power maximum out: 200 W.
- Temperature selection:
°C o °F
150-450 °C and "cool".
- Variable air flow settings between 4 and 11 l/min.
- Antistatic control box with "skin effect".
- Weight of complete system
19,18 lbs. / 8,7 Kg.

TE 5400 INCLUDES:

- Control unit. Ref.: 5400300 (230V)
 - Heater 200W.
 - Heater stand.
 - Accessories.
 - Extractor stand with 2 tripods, 3 extractors and 5 protectors.
- See range of extractors and protectors on the JT 7700 station.



DIGITAL CONTROL UNITS

DUAL **DD 5700** 230V Ref.: 5700200

4TOOL **DM 6700** 230V Ref.: 6700200

Control units featuring digital read-out that allows precise temperature and tool control.

- The single dual unit DD 5700, allows you to connect and work with 2 tools simultaneously.
- The control unit DM 6700, 4 tools, allows you to connect and work simultaneously with all the tools.

You can connect to the units DD and DM to all the tools of our Advance range, always using its corresponding stand, including the desoldering iron DR 5600 by adding the desoldering pump (Ref.: 9004000).

Includes all basic advantages and characteristics featured in the rest of our Advanced stations.

See page 37 for stands

SPECIFICATIONS	
	<div>DD 5700<ul style="list-style-type: none">• Power: 75 + 75 W• Total peak power: 2 X 125 W</div> <div>DM 6700<ul style="list-style-type: none">• Power maximum out: 4 X 75 W• Total peak power: 2 X 125 W</div> <div>BOTH:<ul style="list-style-type: none">• Nominal soldering iron power: 20 or 50 W• Temperature selection between: 100 - 400 °C• Antistatic control box with "skin effect"</div>

For a complete soldering equipment the following is needed:	
	<ul style="list-style-type: none">• Control unit.• 1 of any iron hand piece with its corresponding• At least one cartridge that must corresponds to the selected soldering iron.



SOLDERING AND DESOLDERING STATION

AR 5800 230V Ref.: 5800200

Apart from soldering, this repair station is used for desoldering through-hole components by solder intake. It is also useful for cleaning solder pads in SMD circuit repair.

Features all the benefits from the Advanced technology such as great temperature recovery, the sleep mode, small dimensions, lightness and manageability of the soldering and desoldering irons.

Apart from the standard configuration of a soldering handpiece and a desoldering iron, any of the Advanced tools can be connected to both the soldering and desoldering modules; soldering handpiece, desoldering iron, desoldering tweezers or solder feed iron.

In doing so, tools can be combined to set up the station to suit any specific task. The only limitation is that only one desoldering iron can be connected to the station.

SPECIFICATIONS

- Power 135W.
- Nominal power soldering iron 50W.
- Power desoldering iron 75W.
- Temperature selection: 100 - 371°C.
- Antistatic control box with "skin effect".
- Weight of complete system 26 lbs. / 10.6 Kg.
- Self-contained vacuum pump.

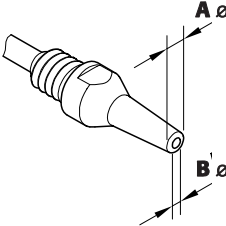
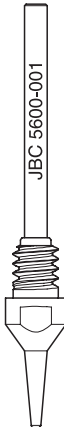
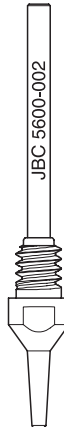
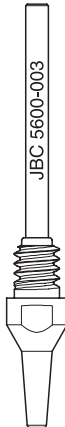

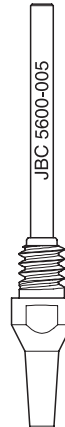
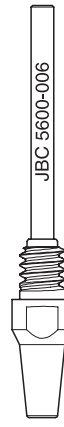
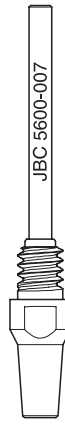


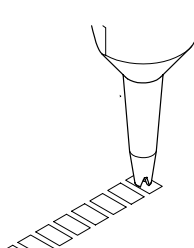
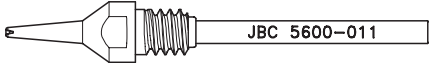
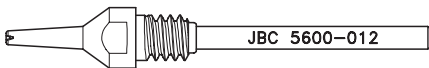
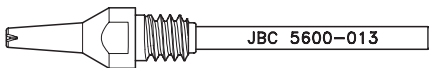
AR 5800 INCLUDES:
<ul style="list-style-type: none">Control unit Ref.: 5800300 (230V)2245 Handpiece Ref. 2245000 with the 2245-003 cartridge Ref. 2245003DR 5600 Desoldering iron with the 5600-003 tip Ref.:5600003.StandsSet of tools and accessories.

SOLDERING IRON:
It has all the advantages of the Advanced technology. The cartridges are easy to change and do not require recalibration.

DESOLDERING IRON:
Easy to clean and maintain. Two different types of deposits can be chosen: metal and glass. Tips can be changed by simply loosening a screw.



DR 5600 DESOLDERING TIPS							
Ref.:	5600-001 HT	5600-002 HT	5600-003	5600-004	5600-005	5600-006	5600-007
							
A Ø	1,4 mm	1,8 mm	2,7 mm	3,2 mm	3,4 mm	4,2 mm	4,8 mm
B Ø	0,6 mm	0,8 mm	1 mm	1,3 mm	1,6 mm	2 mm	2,5 mm
max pin Ø	0,4 mm	0,6 mm	0,8 mm	1,1 mm	1,4 mm	1,7 mm	2,3 mm

PAD CLEANING TIPS		The shape of these tips, is especially designed to clean pads.	
	A Ø 1,4 mm B Ø 0,6 mm		Ref.: 5600-011
	A Ø 1,8 mm B Ø 0,8 mm		Ref.: 5600-012
	A Ø 2,7 mm B Ø 1 mm		Ref.: 5600-013

High thermal performance Ref. HT: This kind of tip has great heat-transmission capability, and thus greater speed in desoldering. They are not quite as durable as the armoured long-life type.

Scale 1:1

REWORK STATION

AM 6500 230V Ref.: 6500200

Station for rework and repair of through-hole and SMT boards.

It contains four modules that cover the main rework tasks:

- Hot air to desolder any size of SMD component.
The station uses the exclusive JBC system, based on protectors-extractors and hot-air flow, which makes desoldering safe, clean and quick, concentrating the heat on the IC, and protecting the rest of the circuit at the same time.
A medium-sized SMD can be desoldered in less than 20 seconds. Additional information about the hot air section of this station can be found on page 23.
- Desoldering SMTs and cleaning through-hole components and pads by using the desoldering iron DR 5600. The unit features a self-contained vacuum pump. In lieu of the soldering iron, the PA 1200 or PA 4200 hot tweezers can also be connected.
- Pick & Place pencil by suction to aid components positioning.
- Soldering and desoldering of all types of components, with the swift response, high power and superb temperature recovery of the Advanced Series.

Apart from the standard setup as shown, any of the Advanced tools can be connected to both the soldering and desoldering modules; handpieces, desoldering iron, desoldering tweezers or solder feed iron.

In doing so, tools can be combined to set up the station to suit any specific task. The only limitation is that only one desoldering iron can be connected to the station.

AM6500 INCLUDES:

- Control unit Ref.: 6500300 (230V) with air heater 900W.
- 2245 Handpiece Ref. 2245000 with the 2245-003 cartridge Ref. 2245003.
- DR 5600 Desoldering iron Ref. 5600000 with the 5600-003 tip Ref. 5600003.
- MP 2260 Pick & Place Ref. 2260000.
- Extractor stand with: 5 extractors, 5 protectors and 2 tripods.
- Stands for soldering iron, desoldering iron and heater.
- Set of accessories.

SPECIFICATIONS

- Power out: 2 X 60W.
- Maximum power soldering iron: 50W.
- Maximum power desoldering iron: 75W.
- Power hot air unit: 900W.
- Temperature selection soldering iron: 100 - 371 °C.
- Temperature selection desoldering iron: 00 - 371 °C.
- Temperature selection hot air: 150 - 455 °C.
- Air flow regulation: 6 - 45 l/min.
- Vacuum pump for holding ICs.
- Antistatic control box with "skin effect".
- Weight of complete system: 40 lbs. / 17.6Kg.



MORE INFORMATION

www.jbctools.com

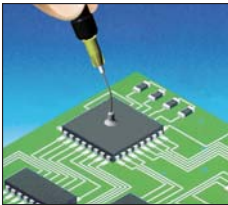
Repair process of a circuit with SMD components



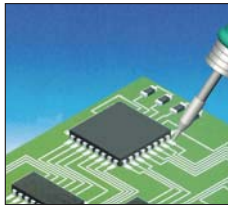
Desoldering the IC component with hot air.



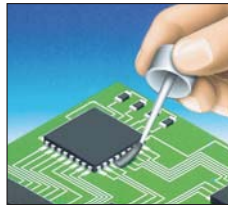
Cleaning the pads with desoldering iron.



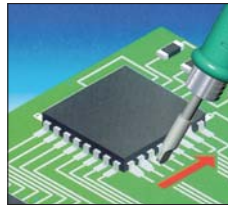
Positioning the component.



Soldering two opposite angles of the component with the soldering iron.



Fluxing the IC pads and leads with flux.



Soldering the leads with the special Advanced series tips for soldering SMDs.



MULTI-TOOL SYSTEM

MS 9000

This new system allows up to five different tools to be connected simultaneously, which could be 5 soldering irons, 5 tweezers, 2 desoldering irons, or also any other combination of these items. Allows working with up to five tools.

Modularity ensures a small footprint.

The Multi-tool system has all the advantages of the Advanced series.

The System is divided into four independent modules:

- Monitor
- Stand block
- Desoldering pump
- Power supply

The MS 9000 is ideal for any job that requires a variety of rework tools on one station, like the repair of cellular phones, rework in a production process, aftersales service, etc.

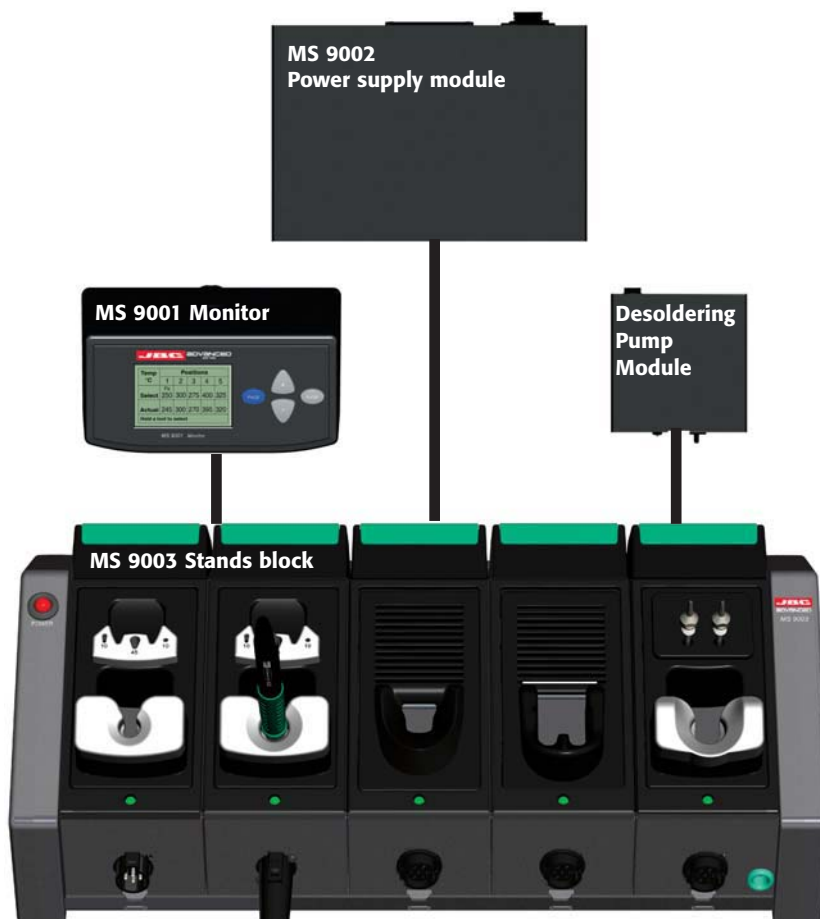


MS 9002 POWER SUPPLY MODULE



MS 9001 MONITOR

MS 9000 configuration



MULTI-TOOL SYSTEM

MS 9000

MONITOR MS 9001

Ref.: 9001000

Forms the key to process control.

Allows interaction with the MS 9003 Stands Block and serves to read out and adjust a range of parameters like working temperature, sleep temperature, etc.

It also allows reading out counters of total hours, sleep hours, iron changes, etc.

One monitor can control any number of MS systems.



Monitor's displays

Temp °C	Positions				
	1	2	3	4	5
Fix	250	300	275	400	325
Select	250	300	275	400	325
Actual	245	300	270	395	320
Hold a tool to select					

PARAMETERS	Position 2
Tool identity	PA 1200
Fix temperature	No fixed ◀
Sleep delay time	3 minutes ◀
Sleep temperature	100 °C ◀
Temp adjust	+ 10 °C ◀
Reset to original parameters	No ◀
PAGE to counters - ENTER to select	

TEMPERATURES °C		
Pos	Selected	Actual
	Fix	
2	300	295
PAGE to parameters		

COUNTERS	Position 2
Total hours	856
Sleep cycles	1235
Sleep hours	547
Iron changes	122
Control program	MSP23402
PAGE to temperatures select	

SPECIFICATIONS

- Weight 1.75 lbs. / 0.7 Kg.
- Size: width 165 mm, height 75 mm, depth 105 mm.

DESOLDERING PUMP MODULE

Ref.: 9004000

Complementary to the DR 5600 Desoldering iron.

Self contained suction pump.

SPECIFICATIONS

- Weight 4.5 lbs. / 1.8 Kg.
- Size: width 140 mm, height 95 mm, depth 145 mm.



POWER SUPPLY MODULE MS 9002

Ref.: 9002200

Low voltage power supply for one MS 9003 Stand block.

Covers the power supply for up to 5 tools.

It is connected to the stands block by cable, therefore allowing placement in any position, preventing it from taking up any space in the working area.



SPECIFICATIONS

- Maximum nominal power 330 VA
- Weight 22 lbs. / 8.8 Kg.
- Size: width 290 mm, height 120 mm, depth 200 mm.



STAND MODULES

MS 8930

Ref.: 0788930

For the 2210 soldering iron.

MS 8950

Ref.: 0788950

For the 2245 soldering iron.

MS 8970

Ref.: 0788970

For the AP 1300 Solder feed iron.

MS 8910

Ref.: 0788910

For PA 1200 tweezers.

MS 8940

Ref.: 0788940

For PA 4200 tweezers.

MS 8960

Ref.: 0788960

For the DR 5600 desoldering iron.



STANDS SPECIFICATIONS:

- Weight 1.125 lbs. / 0.45 Kg.
- Size: width 60 mm, height 95 mm, depth 185 mm.

STANDS BLOCK MS 9003 Ref.: 9003000

Control all the processes through microprocessor. It has 5 positions for the submodules-stands of each tool.



SPONGE STAND SE 8990 Ref.: 0788990

For tip cleaning. The large surface of the sponge makes its use easier. Equipped with a water bottle which constantly keeps the sponge humid, for a number of days in normal conditions. Additionally fitted with stands for two 15ml bottles of flux.

SOLDER FEED STATION

AL 2500

230V Ref.: 2500200

This is the perfect complement to automate the soldering process through a feed system using the unique advantages of the Advanced Soldering station.

The system is supplied containing the control unit AL 2500 that incorporates the electronic control, the motorized solder wire feed, the conduction tube and the solder feed handle.

ARM STAND SOLDERING IRON AL 2500

Ref.: 0002864

To place the soldering iron leaving two hands free, working the feeding through the pedal.

- Maximum height: 405 mm
- Maximum adjustable horizontal distance: 250 mm





SPECIFICATIONS

- Power 60 W.
- Temperature regulation: 100 - 400°C
- It allows diameters of solder thread of 0,5 to 1,5mm, by using the appropriate thread guide accessories.
- Length selection and thread speed advance.
- Working cycle selection: continuous and step by step.
- Statistic working hours control and soldering cycles.
- Capacity of solder reels up to 2Kg.

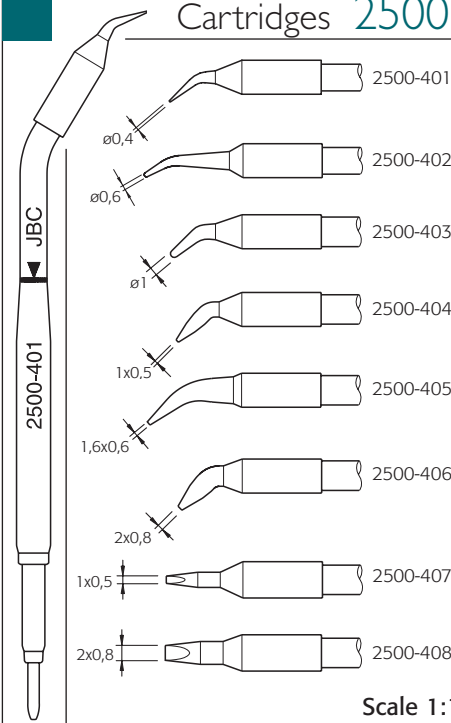
AL 2500 INCLUDES:

- Control unit Ref.: 2500300
- Complete handle Ref.: 2500000
- 2500-403 cartridge Ref.: 2500403
- Tubes set and guides, for: wires \varnothing 0,9 - 1 mm Ref.: 0002401
- AL 8250 stand.

AL 2500 accessories station

- Tubes set and guides for: wires \varnothing 0,4 - 0,5 mm Ref.: 0002399
- wires \varnothing 0,6 - 0,8 mm Ref.: 0002402
- wires \varnothing 1,0 - 1,6 mm Ref.: 0002843
- Pedal set with cable and connector Ref.: 0964551

Cartridges 2500



DESOLDERING STATION

DS 5300 230V Ref.: 5300200

Station for a quick and secure repair of through-hole components by solder intake. Also necessary for cleaning pads in the SMD circuit repairing process.

DS 5300 features all the benefits from the Advanced technology such as great temperature recovery, small dimensions, lightness and manageability of the soldering and desoldering irons.

Features a self contained vacuum pump.

The DS 5300 is supplied with a DR 5600 Advanced desoldering iron and stand. Other tools can also be connected, like soldering irons and tweezers.

DS 5300 INCLUDES
<ul style="list-style-type: none"> Control unit. Ref.: 5300300 (230V) DR 5600 Desoldering iron Ref. 5600000 with the 5600-003 tip Ref. 5600003. Stands. Set of tools and accessories.

SPECIFICATIONS
<ul style="list-style-type: none"> Power: 100W. Power desoldering iron 75W. Temperature selection: 100 - 371°C. Antistatic control box with "skin effect". Vacuum pump.

DESOLDERING IRON
<p>Easy to clean and maintain. Two different types of deposits can be chosen: metal and glass. Tips can be changed by simply unscrewing.</p>



MORE INFORMATION:

www.jbctools.com

STANDS

Range of stands covering the variety of advanced series tools. The stands are situated between the tool and the control unit, which makes the Advanced systems advantages possible. For example, one advantage is the temperature reduction in the "sleep" mode when the tool is put in its stand, thus obtaining an extended tip-life and avoiding oxidation of the tip's solder plating.

These stands can be connected to any of the advanced series stations except for the AD 2700 in which the stand is incorporated.

AD 8210

Ref.: 0788210

For 2210 handpieces.



AD 8245

Ref.: 0788245

For 2245 handpieces.



PA 8110

Ref.: 0748110

For PA 1200 tweezers.



PA 8120

Ref.: 0748120

For PA 4200 tweezers.



AP 8130

Ref.: 0788130

For the AP 1300 Solder feed iron.



DR 8500

Ref.: 0788500

For DR desoldering irons.



AL 8250

Ref.: 0788250

For the AL 2500 soldering iron



Kit Extension lead for stands

Ref.: 0781286

Independent extension assesorly for any of the Advanced stands. Cable length: 1'5 m.

Kit silicone extension tube for desoldering iron

Ref.: 0781287

Independent extension assesorly to be used with DR5600 Advanced desoldering iron. Length of the tube: 1'5 m.

THERMOMETER

TI 2800

Ref.: 2800000

A vital accessory for measuring tip temperatures. It measures the temperature of the soldering tip accurately.

In order to verify the sleep temperature an interconnecting cable is included. Ref.: 0780476.

Does not need a power supply.



SPECIFICATIONS

- Range 0 to 500°C
- Replaceable sensor.
- Resolution 10°C.
- Weight 1.75 lbs. / 0.7 Kg.
- Size: width 165 mm, height 75mm, depth 105 mm.
- Can be calibrated.

Since the Advanced technology is based on a microprocessor drive, it is not necessary to recalibrate any of the Advanced control units, but the cartridges can easily be recalibrated thanks to the TI 2800 Thermometer and the AC 2600 Console.

CONSOLE

AC 2600

Ref.: 2600000

Designed to modify the original regulation program parameters of any of the Advanced station except the JT 7700 and TE 5400

Available modifications:

- Selection of temperature units in degrees Celsius -°C - or Fahrenheit -°F -
- Extend the temperature range, increasing the maximum temperature up to 450°C
- Fixing the working temperature..
- Setting the maximum working temperature.
- Modification of sleep temperatures.
- Modification of the time before entering into sleep mode.
- Adjustment of temperatures up to $\pm 50^{\circ}\text{C}$.
- Reset function to recover the original parameters.
- In read-out mode the total of function hours, sleep cycles, sleep hours, programme versions, and switch of cartridges and soldering irons can be checked.



SPONGE STAND

For tip cleaning.

The large surface of the sponge makes its use easier.

Equipped with a water bottle which constantly keeps the sponge humid, for a number of days in normal conditions.

Additionally fitted with stands for two 15ml bottles of flux.

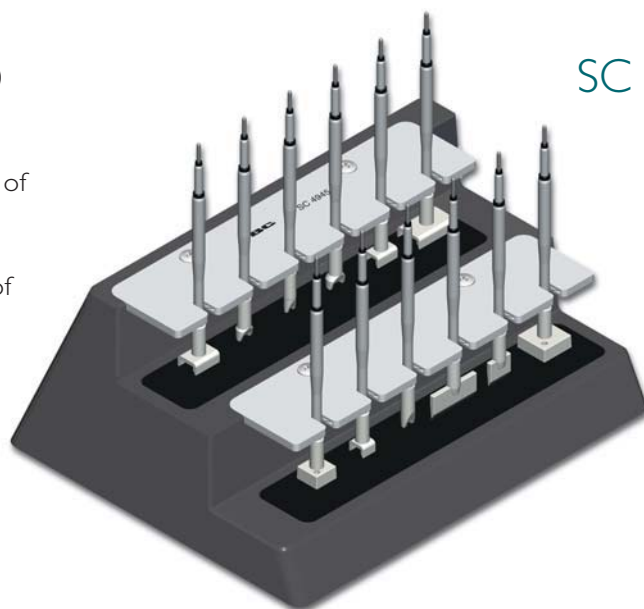


SE 8990 Ref.: 0788990

CARTRIDGES STAND

Stand for the removal and placement of twelve 2245 cartridges.

Perfect view of the cartridge shape enables a quick selection and switch of cartridges.



SC 4945 Ref.: 0490100

FUME EXTRACTOR ACCESSORIES

Adaptable to all the Advanced Series iron handpieces.
Easily clips onto the handpieces and can be removed quickly for easy maintenance.

For AP 1300 solder feed iron

Ref.: 0451204

For 2210 handpieces

Ref.: 0265000

For 2245 handpieces

Ref.: 0495000

For 20mm longer handpieces

Ref.: 0455002

For comfort handpieces

Ref.: 0781324



MORE INFORMATION:

www.jbctools.com

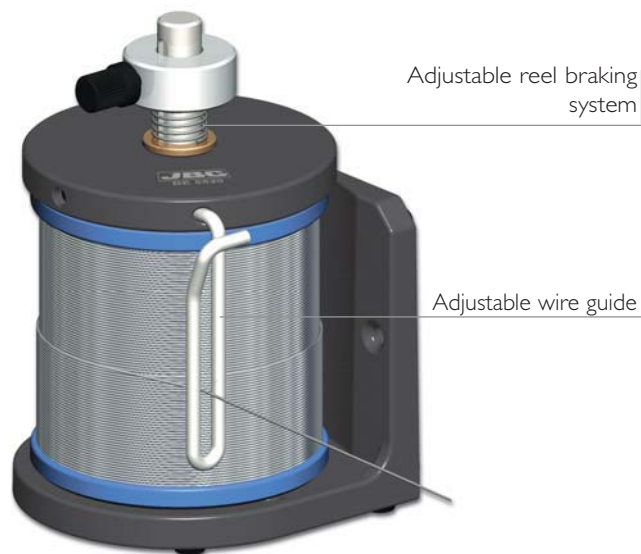
SOLDER REEL STAND

BE 5520

Ref.: 0552300

The ideal accessory to ease the solder supply.

SPECIFICATIONS	
	<ul style="list-style-type: none"> • Can be used vertically or horizontally. • For reels in standard DIN sizes. • Capacity: reels of 0.4 lbs. / 1 kg and 1 lbs. / 2.5 Kg maximum.



FLUX

Flux especially developed to repair circuits and resoldering components.

It comes in two sizes:

- 15 ml non-leak bottle with an applicator brush.
- 500 ml bottle with tube for pouring.



FL 9582

15 ml
500 ml

Ref.: 0046565
Ref.: 0049582

FM 9600

15 ml
500 ml

Ref.: 9600015
Ref.: 9600500

SPECIFICATIONS	
FL 9582: <ul style="list-style-type: none"> • Water base. • Low level of residues. • Clean with water. • Complies with norms: <ul style="list-style-type: none"> NFC 9055 I ISO 12224 ISO 9455 	FM 9600: <ul style="list-style-type: none"> • Alcohol base. • Very active. • Waste is removed with alcohol.

TIP CLEANER

TT 9400

Ref.: 9400000

Rapidly re-tins even oxidised tips.

- Activators thermally decompose.
- Minimal residues.
- Weight 0,50oz. / 15 gr.
- Passes the corrosion tests:
 - DTD 599A, BS 5625, QQ-S-571E, JIS Z 3197-1986.



MORE INFORMATION:

www.jbctools.com

