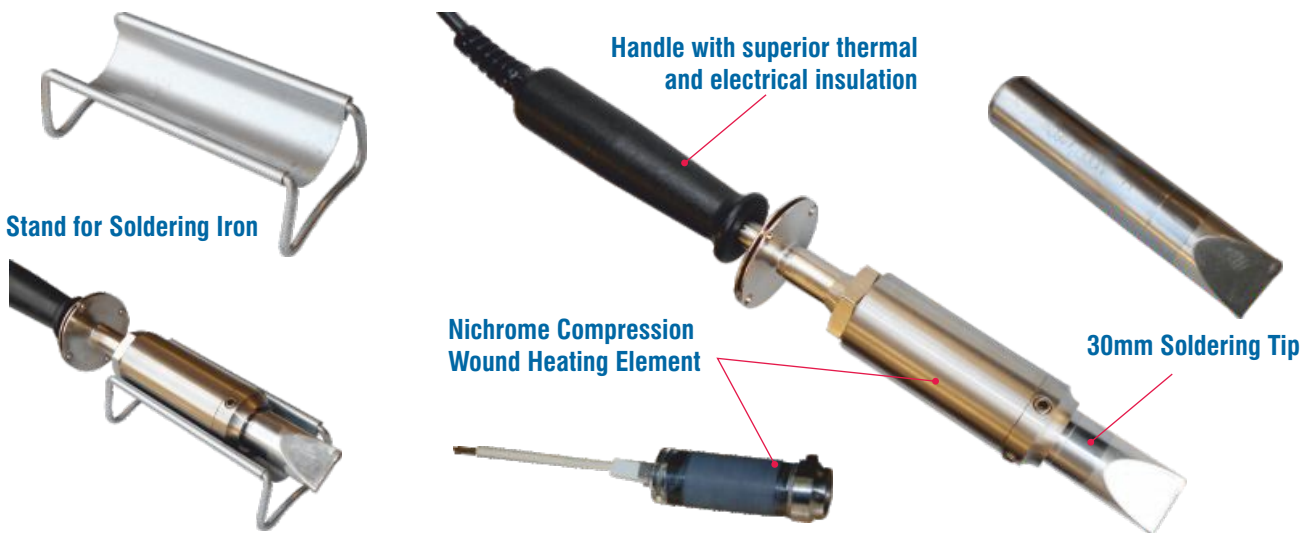


VERY High Power (550 Watt) Soldering Iron Model 3198-550

brought to you from American Beauty USA for very heavy soldering jobs

This American Beauty heavy-duty Soldering Iron is meant for extremely heavy soldering jobs (which are otherwise not possible to do with 200 or 300 Watt types Soldering Irons or Soldering Stations). Its unique Heating Element is made by compression winding of special Ni-Chrome heating alloy onto a steel spool. That is how this Soldering Iron has unsurpassed heat capacity and also high reliability in production line environment for regular soldering jobs.



Examples of very heavy duty soldering jobs such as high power oil capacitor cans sealing, Ducts etc.

Features:

- **Ni-Chrome Compression Wound Heating Elements** are proven to be the most reliable heating element for high temperature and high heating type soldering applications in production environment.
- **Paragon Iron-Cladding on front side of Soldering Iron Tip** ensures consistent superior performance in soldering jobs, even when leadfree solder wires are used.
- **Plug-style Tip** design provides high contact area for faster heat transfer and also is easy for cleaning.
- **Rugged Handle** uses material for higher electrical insulating and higher thermal isolation properties.
- **Modular construction** allows easy replacement of Heating Element and Soldering Tip.

Specifications:

Power input	: 220VAC. 50Hz
Maximum Temperature	: 560°C
RoHS Compliant	: Yes
Power consumption	: 550 Watts
Current Draw	: < 5 Amp
CE Compliance	: Conforms
IEC 60335-1, Edition 5.1, 2013-12	: Conforms
IEC 60335-2-45, Edition 3.2, 2012-01	: Conforms

Scope of Supply:

- High Power Soldering Iron
- Chisel Soldering Tip 30.0mm
- Stand for Soldering Iron

Spare Soldering Tip:



P/N: 46C

Size:

- Width: 1-1/8 inch
- Length: 5-7/8 inch

shown trademarks are property of their respective owners.
Warranty is 12 months from the date of invoice. It excludes all consumable parts as Heating Elements, and Soldering Tips and mechanically damaged parts.

While the information contained herein in, has been carefully compiled to the best of our knowledge, nothing is intended as representation and warranty on our part; and no statement shall be construed as recommendation to infringe any of existing patents. We accept no liability of whatsoever for any faults and errors in the information contained herein. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.

Provides aerospace level high reliability to strip PTFE type insulations



Strips PTFE wires thermally as per MIL Specs



Tweezer type, very light weight, handpiece is very comfortable for operator's working

Heavy duty Control & Power Unit has Foot Switch ON/OFF operation to save electricity. Provides instant heat-up for wire stripping thermally.

American Beauty
Soldering Solutions



No more requirement to change expensive complete Hand-piece just change the low cost blades



Strips wide variety of insulations as: Tefzel, Teflon, Kapton, Kynar thermally, without any nick and cut on wires to meet Aerospace and other MIL specs

Unique design needs low cost Blades replacement only, not expensive complete hand-piece

Low Running Cost : Most Thermal Wire Strippers, require replacement of expensive complete handpiece once stripping blades are worn out. American Beauty design allows low cost blades replacement only.

Model 10503 consists of:

- 105A3 Power & Control Unit
- 10517 Thermal Stripping Handpiece fitted with Stripping Blade Set
- Rugged Foot Switch with 1.8m cord
- Spare Stripping Blade Set

Resistance Soldering Technology

Heat is instantaneously generated by passing high ampere current through a resistive material. Advantages are:

- Resistance heating is many times faster.
- Resistance heating handpieces cool very fast avoiding risk of injury.
- Provides longer life of stripping blades.

Types of Insulation Handled

Teflon, Kapton, Kynar, Nylon, Vinyl, Neoprene and other insulations on single and multi-stranded wires.

Blades Heat-Up Time

Approximately 2 seconds from ambient to red hot temperature

Universal Blade Concept : Only 1 blade set is suitable for various sizes of wire AWG's. In other make Thermal Wire Strippers, normally different sizes blades for different AWG wires are needed.

Wire Diameter Range

AWG14 ~ AWG36. American Beauty has a universal blade suitable for various wire AWG's

Strip Length

Adjustable from 3.2 mm to 38 mm with integrated stop mechanism

Specifications:

- Power Unit & Temp Controller: 100 Watt
- Pilot Light.
- 1 A Circuit Protection
- Front Panel temperature adjustment for high and low melt insulations
- Handpiece Cable : 1 meter long
- Input Power: 230VAC, 50 Hz, 100 Watt
- Weight: 2.5 kg approx.

Operation

- Switch ON and set temperature range.
- Press Foot Switch to get Hand Piece red hot.
- Rotate red hot Hand Piece over insulation.
- Release Foot Switch to get Hand Piece cool.
- Use Hand Piece to pull insulation out.

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Provides aerospace level hi-reliability in interconnection of Coax Cable assembly



Heavy duty Control and Power Unit with ON/OFF Foot Switch saves electrical energy.



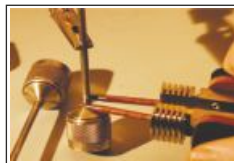
Light-weight, palm-sized Hand Piece with comfort grip padding minimizes operator fatigue.

Plier style, light weight, Hand Piece for operator's comfort



Spare Set of Carbon Electrodes available

Carbon block electrodes can be easily shaped, allowing the user to customize the Hand Piece as per their specific application requirements.



Widely used in assembly operations of large AWG Wires, Semi-rigid Coaxial Cables and Microwave Coaxial Cables for highly reliable interconnection with Connectors

Control & Power Unit provides high current at continuously variable low voltage through an isolated transformer. The output voltage is variable upto 2.8 Volt (with no load) through a front panel rotating knob.

This System has heavy duty light weight pliers style Hand Piece with two carbon electrodes, fixed with allen screws. This rugged Hand-Piece has high temperature resistant handle for operator's comfort. It has very flexible cable with tapered pin type quick connect terminals.

This system has industrial type heavy duty ON/OFF Foot Switch. This ON/OFF Foot Switch provides instant heating for the resistance soldering applications. It also saves electrical energy as power is switched ON only when Foot Switch is pressed.

This System is used for wide applications of resistance soldering where aerospace level of high reliability type interconnections is a basic requirement. Few examples of such applications are assemblies of large AWG size wires with terminals; semi-rigid coaxial cables and flexible microwave coaxial cables with coaxial connectors.

Model 10506-220 consists of:

- 105A12 Power & Control Unit
- 105158 Hand Piece with Carbon Electrodes
- Foot Switch

Specifications:

- Power Unit Power : 250 Watt
- Connection type : Taper Pins
- Hand Piece Cable : 5 foot
- Input Power : 230VAC, 50 Hz
- Total Weight : 4.4 kg approx.

Resistance Soldering Technology

Heat is instantaneously generated by passing high ampere current through a resistive material.

Advantages are:

- Resistance heating is many times faster.
- Resistance heating hand Piece cool very fast and avoids risk of injury to operator.

Operation

- Switch ON, set temperature range.
- Hold the job in between electrodes
- Now press Foot Switch to get job heated-up.
- Apply solder on the joint and release Foot Switch

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