

# Model: 105A3

## 100 WATT INFINITELY-VARIABLE RESISTANCE SOLDERING POWER UNIT



The backbone of any resistance soldering system is a high quality power unit. American Beauty's resistance power units are recognized industry-wide for their performance, reliability and safety. Common features include fail-safe devices to ensure ultimate user safety, flexibility to operate a variety of hand pieces, and our outstanding three-year warranty, guaranteeing the product to be free from manufacture defect and to work properly under normal operating conditions.

*To increase application flexibility, Taper Pin receptacles are pre-tapped to be able to accept 1/4-20 (do not exceed 3/4" length) threaded bolts. This gives you the ability to attach handpieces with 1/4" ring terminals in place of taper pins.*

### ACCESSORIES

The following products can be used as Accessories for Model 105A3 featured on this page:

Model	Product Name
105131	Micro Wirestripping Handpiece
105133	Micro Tweezer Style Handpiece
105PTM	Resistance Soldering Precision Timer Module
105V12	Grounding Vise for Holding Parts Hands-Free
CS-FX1	Flux Pen
CS-PBF1	Solder Tube
HS-A	Heat Sink - Micro Alligator Clip

### FEATURES AND BENEFITS

**100 Watts of (2.6 VAC) Infinitely Variable Power** Step-less Dialing, to 100 % of the available output for precise and consistent repeatability helps prevent damage caused by thermal overshoot.

**Heavy-Duty Aluminum case** Combines rugged construction with economy and convenience to help protect your investment for a lifetime of un-interrupted service.

**Tested to all relevant Safety Standards for CE & RoHS compliance,** In order to ensure the highest level of operator health & safety in every working environment.

**Tapered pin receptacles** These allow for quick interchange of various soldering, brazing and thermal wire-stripping handpieces like tweezers, pliers and probes. Plug the taper pin in turning slightly for a tight friction fit.

### APPLICATIONS

Users of this product have stated that they use it for several jobs which include but are not limited to:

1. Soldering with glass solder preforms

## TECHNICAL SPECIFICATIONS

Connection Type	Tapered Pins
Wattage	100 watts
AMP Draw	< 2 AMP
Available in a 220-240 VAC?	Yes, available upon request
Product Length	5.25 in / 13.34 cm
Product Width	3.25 in / 8.26 cm
Product Height	3.25 in / 8.26 cm
Product Weight	2.5 lbs / 1.13 kg
Package Dimensions (Inches)	5 x 6.25 x 8.25
Package Weight	3.55 lbs / 1.61 kg
Country of Origin	US
Cage Code	02105
Harmonization Code:	8515.11.0000
NSN #	6130-01-296-3976
RoHS Compliant	Yes
BS EN IEC 61558-2-6 2001, UL 5085-3 2022	Yes
BS EN IEC 60335-1:2023+A11:2023	Yes
WEEE Compliant	Yes
CE Certified	Yes
Warranty Policy	Details
User Manual	User Manual

## END-OF-LIFE INSTRUCTIONS

In an effort to reduce waste and comply with WEEE directive, please do not dispose of product. All American Beauty Tools are serviceable and can be repaired and/or replaced. Please contact manufacturer to make arrangements.

## SIMILAR PRODUCTS

The following products are related (similar model but different specifications, etc.) to Model 105A3 featured on this page:

Model	Product Name
10501	Ultra-Light Capacity Tweezer-Style Resistance Soldering System
10503	Standard Capacity Wirestripping System
10503M	Micro Capacity Wirestripping System
10508	Ultra-Light Capacity Probe-Style Resistance Soldering System
10599	Micro Capacity Tweezer-Style Resistance Soldering System