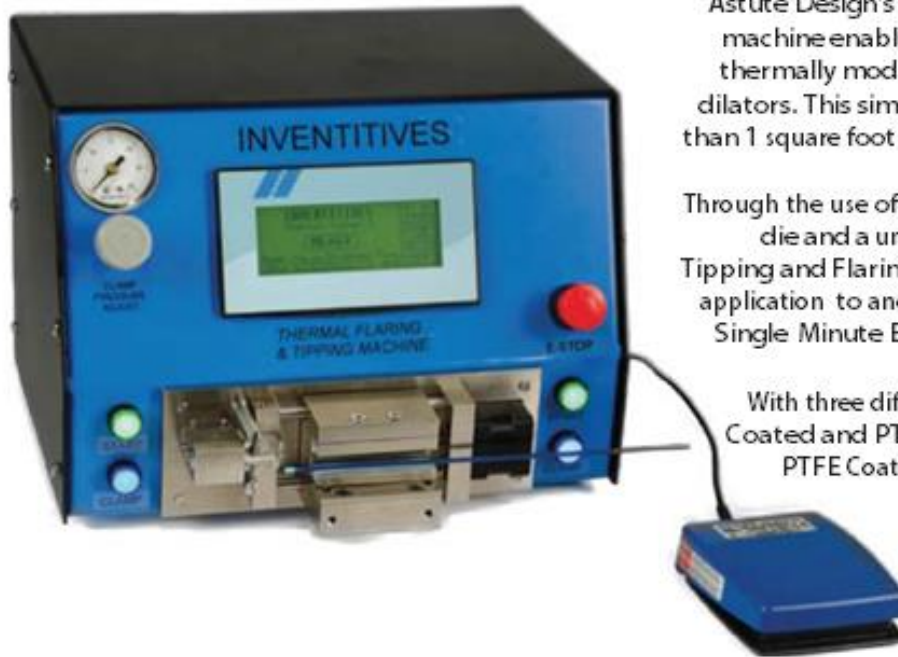




Thermal Catheter Tipper-Flarer

Fast, easy, precise.



Astute Design's Thermal Tipping and Flaring machine enables medical device manufacturers to thermally modify the tips of catheters, sheaths and dilators. This simple but capable machine requires less than 1 square foot of expensive cleanroom table space.

Through the use of an intelligent controller, quick change die and a universal (4Fr to 24Fr) grip, the Thermal Tipping and Flaring machine can be changed from one application to another in less than a minute* (SMET: Single Minute Exchange of Tooling)(* after cooling).

With three different types of die available (SS, PTFE Coated and PTFE Lined) as well as varying diameter PTFE Coated Mandrels, the Thermal Tipper can handle almost any application. This machine can also be used to thermally flare most medical device tubing.



Features:

- o Stainless Steel Thermal Die Mount.
- o Thermal Tipping Die, 3 types of Tipping Die, (Flaring Die and Custom Die are available.)
- o Removable transparent Safety Shield.
- o Pressure Gauge indication of clamp pressure.
- o Adjustable Angle Cooling Jets.
- o E-Stop removes all energy from machine.
- o Smart Controller capable of 21 different user programmable tipping or flaring recipes.
- o Foot pedal to initiate the tipping cycle
- o Universal grip capable of tipping/flaring 4Fr. to 24Fr medical device tubing.

Other Astute Products



Non-Braded Catheter Cutter

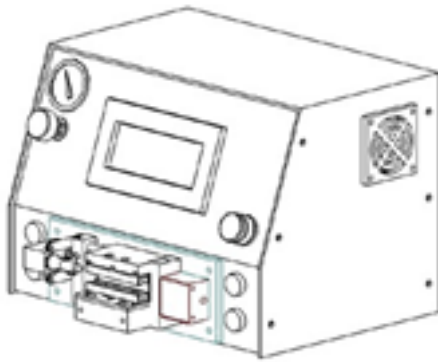


Braded Catheter Roll Cutter



Thermal Bonder

THERMAL FLARER/TIPPER SPECIFICATIONS:

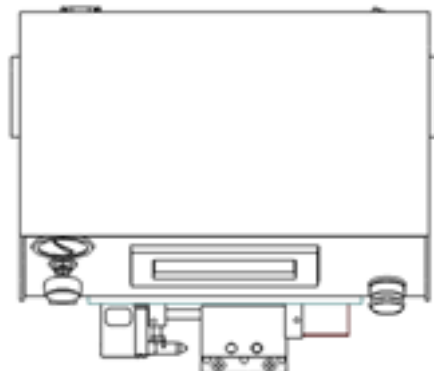
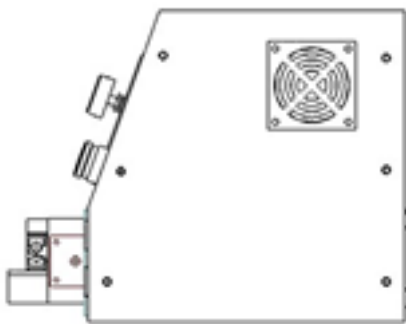
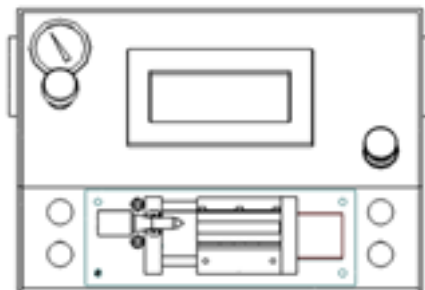


UTILITIES:

110 VAC, 60 Hz, 5 A
40 to 60 PSI, 1 um Filtered, Dry Air
11"D x 12"L x 9"H (bench area < 1 sq. ft.)

FEATURES:

Quantifiable & easily validatable recipes
Hi quality & hi 1st pass yield tips & flares
4 to 24 Fr Tipping & Flaring (w/ appropriate die)
Programmable Temperature to 250°C(480°F)
Hi power 100 watt Cartridge Heater
Hi tip forming push force
Adjustable shaft clamp force
Quick change, magnetically held shaft grips
Cooling Jets (pressure externally regulated)
Programmable Push & Cool Times
21 Program Capacity (1 default + 20 user defined)
Dual illuminated Clamp & Start Buttons
Easy to remove operator guard (not illustrated)
Hi-Power stepper motor
Interchangeable Dead Stop
Easy to read, touch screen HMI
Password protected recipes
Externally accessible 5A fuse
Machine directed recipe changeovers
User selectable IDLE mode to save energy



ACCESSORIES:

Inexpensive SS Tips (typically used w/ silicone spray or suitable mold release)
PTFE Coated Tips
PTFE Lined Tips
Flaring Tips (PTFE Coated)
4-24 Fr Cast Silicone Grips
4-24 Fr SS Deadstops
Foot pedal for "hands free" cycle start

Special applications handled on a case by case basis