



Cathtip Magnum

AUTOMATED TIPPING MACHINE

The Magnum provides the most flexible RF architecture on the market, capable of tip forming, flaring and bonding in production or R&D settings. Our state-of-the-art, precision catheter forming systems produce the highest quality parts with speed and consistency. Achieve flashless tips, smooth bonds, and exacting geometry with virtually all thermo-plastic materials.

Produce a wide range of applications – flares, flanges, angular welds, bonds, multi-lumen shape transitions, butt welds, balloon to catheter welds, neck downs, soft-tip fusion, metal-to-tube adhering, sheaths, dilators, radio-opaque, strain relief bonds, swaged metal needle guides, tube-in-tube bonds, etc.



KEY FEATURES

- Flexible for R&D and production environments
- Tailor-engineered to your specific application
- Work with extrusion sizes from 1FR to 34+ FR
- Store up-to 10,000+ recipes
- Modular “black box” tooling design
- Generate temperatures up to 650 degrees F
- Control temperature and force with closed loop architecture
- Transfer recipes easily across machines via USB drive or network
- Ability for remote access & troubleshooting

UNIVERSAL SPECIFICATIONS

- RF Induction:** 1.2 KW @150-400 kHz Solid State
- Motion:** Servo
- Force Control:** Closed-loop
- Heat Control:** Closed-loop PID temperature or generator percent power
- Air Actuation:** Recipe-controlled proportional regulator
- Power:** 100-240VAC at 50/60Hz
- Air:** 100psi max. 5cfm
- Interface:** Touchscreen, keyboard, PC, PLC
- Dimensions:** 33.25" x 34.25" x 66"
- Weight:** 300 lb

ADD-ON OPTIONS

- Vertical or horizontal light curtain & safety hood enclosure
- Digital microscope & 10" LCD screen for inspection
- Barcode Scanner for Black Box Tooling/Recipe Verification
- 2-Up Tooling Platform Upgrade (application dependent)
- 3-color indicator light tower
- Multi-color light tower
- Customizable table extensions for front and sides
- Footrest Plate
- Automation-ready configuration

SAFETY FEATURES

- Vertical or horizontal light curtain & safety hood enclosure (optional add-on)
- Dual-touch sensors
- User-Specified alarm
- 3-color indicator light (optional add-on)
- E-stop



Cathtip is proud to be an MMT company – the sole source for automated, process-driven medical manufacturing. Medical Manufacturing Technologies (MMT) brings together applications expertise, technical solutions, and aftermarket support to revolutionize medical device manufacturing. [Learn more at mmt-inc.com](http://mmt-inc.com).