

Designed by the Innovators of the Axial Compression Bonding systems. These systems repeatedly perform high quality heat welds and balloon bonds. Create strong, flexible bonds for challenging applications such as short balloon bonds, ultra-smooth lap and butt welds, single to multi-lumen braided shaft or thin wall balloons to catheter shafts.  
Featuring **MICRO-AUTOMATION™**, the latest advancement in Precision Bonding Technology.



Axial Compression Bonder  
(Model 420-B)

## Axial Compression Bonder (Model 420-B)

### USER BENEFITS:

- Axial Compression for stronger welds
- Adjustable compression distance
- Accommodates sizes to 29 ft.
- Time cooling cycle
- Pneumatic tubing grips with adjustable grip force
- Enhanced Functionality for precision bonding



Automated Tube Welder  
(Model 320-B)

## Automated Tube Welder (Model 320-B)

### USER BENEFITS:

- Provides you with fast, highly repeatable bonds
- Allows you to perform highly precise bonds for demanding applications such as short balloon bonds and ultra smooth lap & butt welds
- Ultra compact design provides you with greater work-space
- Timed Cooling
- Product positioning Vee-Guides for hands free operation



Split-Die Thermal Bonder  
(Model 220-B)

## Split-Die Thermal Bonder (Model 220-B)

### USER BENEFITS:

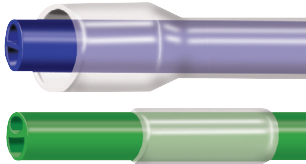
- Provides you with fast, highly repeatable bonds
- Allows you to perform highly precise bonds for demanding applications such as short balloon bonds and ultra smooth lap & butt welds
- Ultra compact design provides you with greater work-space
- Economical R&D System

Visit us at [www.BeahmDesigns.com](http://www.BeahmDesigns.com) or contact our sales department for product specifications and pricing.

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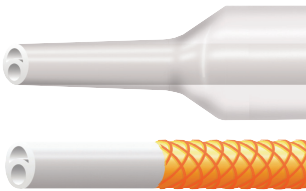
For a complete line of machine designs

We provide precision mechanical solutions for an array of intricate process and device design challenges for the disposable and implantable medical device industry. Hailed as “the best equipment of its class,” satisfied customers throughout the world attest to our optimum cost/quality tube processing solutions. Our engineering customers rely on our ongoing research efforts, and value our drive to continually provide the best mechanical solutions available for their work.



## Thermal Shrinking Solutions

These systems provide exact delivery of uniform heat and traverse speed control with superior shrink/lamination results. Whether it's short or exceptionally long shrink lengths, Beahm Designs has the technology to support your shrinking application and production needs. As a pioneer in the design and manufacture of tube shrinking systems, and with thousands of machines in the field you can rely on our extensive knowledge for your shrinking applications.



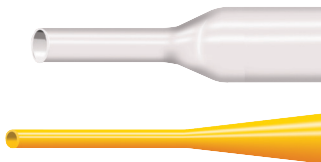
## Catheter Balloon & Shaft Bonders

Innovators of the Axial Compression Bonding systems, featuring MICRO-AUTOMATION, Beahm machines offer strict control for your bonding process. These systems combine delicate machine interfacing and material handling while repeatedly performing high quality heat welds and balloon bonds on thermoplastic catheter tubings of various sizes, durometers and lumen configurations. These handy bench-top systems create strong, flexible bonds for challenging applications such as short balloon bonds, ultra-smooth lap and butt welds, single to multi-lumen braided shaft or thin wall balloons to catheter shafts.



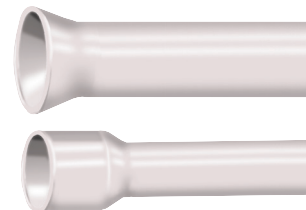
## Tube Tipping Solutions

The Beahm Designs Auto-Tip system, quickly easily produces virtually any tip geometry on a wide range of tubing sizes and materials. Produces fast, smooth tips and create closed or open catheter tips, while simultaneously attach (butt weld) and form soft tips. Upgrade options include vision systems and multi-part processing systems.



## Tube Reduction (Necking) Solutions

Accurately reduce the outer diameter of a length of shaft tubing with the Beahm Designs die necking solutions. Die temperature, traverse speed and traverse length parameters are accurately controlled and are easily adjustable. Capabilities include a wide range of sizes and lengths, stepped or tapered transitions. Common applications include: catheter shaft neck-down, heat shrink tubing sizing, polymer tubing layering and tubing jacketing (e.g. jacketing S.S. hypo tube shafts or wire braids with polymer tubing).



## Flaring Machines

Get greater conical forming control of flare length and geometry with our Tube Flaring Systems. This process flaring creates a “lead” allowing one tube to be positioned over another, such as PTFE balloon sleeves or bonding sheaths. Offering quick tool change for multiple conical and cuff geometries, timed heat and cooling, these machines allow you to flare, expand or cuff the ID of PTFE sheaths and other thermoplastic tubings.

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