



Alpha Zukunft GmbH

Machines for
Medical Device
Manufacturers

Sales & Technical Support in Europe & India for:



*Machines for Catheter,
Balloon & Stent Makers*



*Leak Testers &
Metering Pumps*



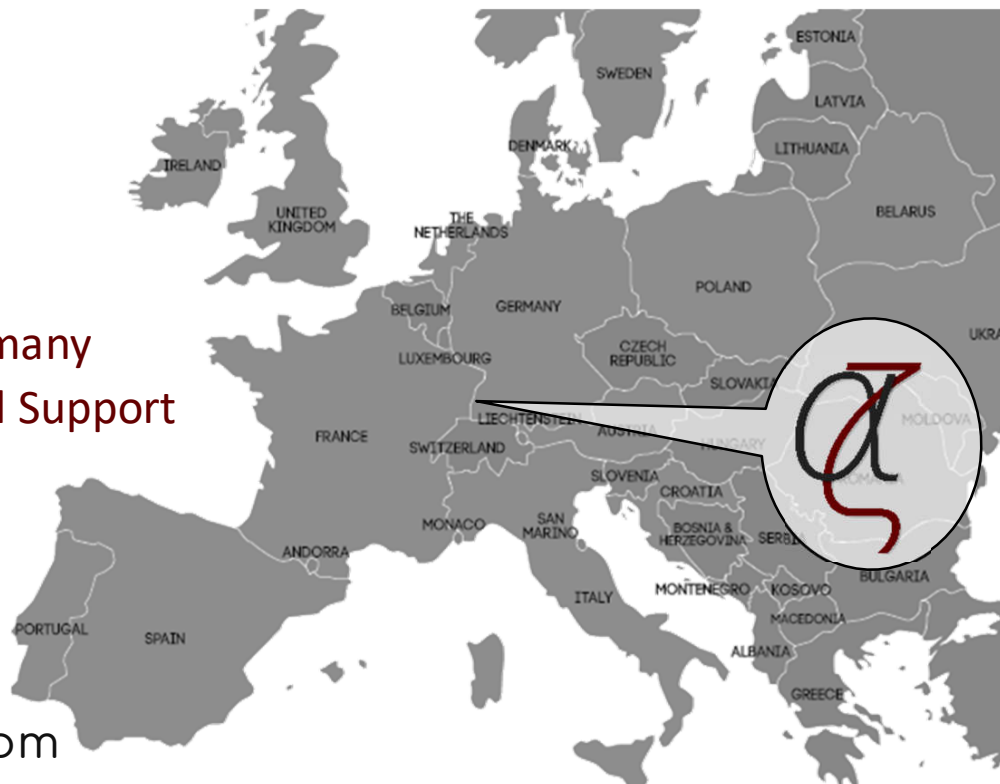
*Precision Multilayer Extrusions
for Microcatheter Construction*

- ✓ Located in Freiburg, Germany
- ✓ Factory-Trained Technical Support
- ✓ Stock of Spare Parts

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World's Most Accurate & Reliable Stent crimpers

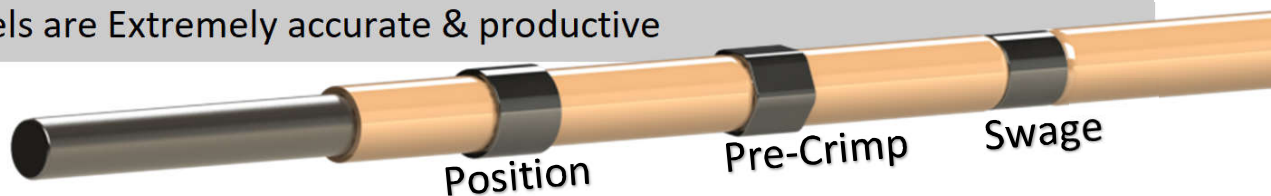
Stent Crimping, Loading & Radial Force Testing

- ✓ Superior Crimping Process Control Easily beats competition in: precise control of diameter, crimping force, roundness, temperature uniformity & reliability
- ✓ Extremely reliable; lowest long-term cost of ownership
- ✓ Many sizes & configurations available



Marker Band Positioning & Pre-Crimping

- ✓ Fully Automatic Band Positioner; Suitable for High-Volume Output
- ✓ Simple Band Positioner; Quick & easy manual operation, Lowest cost solution
- ✓ Both Models are Extremely accurate & productive



Marker Band Swaging

- ✓ Most consistent swaged band diameter: *no force or pressure setting = lowest diameter variability*
- ✓ Easy to set up & use; No shimming required
- ✓ Automatic Product Feed or Tray Loader for High-Volume Output (Optional)



Balloon Wrapping

- ✓ World's Most Accurate Balloon Wrapping: Best roundness accuracy & wing formation
- ✓ All-ball-bearing motion designed for near infinite life
- ✓ All Process Parameters in Recipe Control

Precision Multilayer Extrusion Technology

Catheter & balloon construction is increasingly complex, requiring advanced multilayer extrusions combining slippery linings, tough outer layers, soft inner layers, & more.

GRIPLOCK™ Custom-Engineered micro-extrusions: Laminated layers allow several design solutions, even in small diameters & thin walls:

- ✓ Optimization of mechanical properties
- ✓ Balloon Tubing: high-endurance, increased burst resistance, superb tensile properties
- ✓ Thin-walled multilayer extrusions with radiopaque materials
- ✓ Versatile microtubes of complex mechanical properties
- ✓ Slippery or Adhesive inner and outer layers

These clear, thin-walled extrusions appear to be one uniform material, however, each is comprised of three layers.



Our team delivers complex microcatheter and balloon tubing with tightly controlled mechanical properties for the most challenging applications, including: Vascular, Interventional Neuroradiology, Pediatric & Neonatal, Oncology, Urology, Ophthalmology

Microcatheter Components is committed to manufacturing high-precision components for medical device customers worldwide while supporting the environment and our local and global communities.





Quality Leak Testing Machines & Metering Pumps for over 30 Years

Leak Testers

- ✓ Modular design for custom configurations
- ✓ Multiple test types in a single tester
- ✓ Intuitive interface; quick & easy test setup



Precision Metering Pumps

- ✓ Eliminate costly inaccuracy & excessive maintenance of tubing & diaphragm pumps
- ✓ Ceramic internals; millions of maintenance free cycles
- ✓ Valve-less; syringe-like precision & drift free accuracy
- ✓ Solutions for a variety of pump & dosing applications

Electronically Variable Metering Pumps

- ✓ Automatic Volume Adjustment
- ✓ Ethernet & RS485; Control up to 32 pumps at once
- ✓ Control stroke rate, RPM, Direction & Displacement

