

Features and Benefits of using PlasticWeld's Tipping and Eye forming Equipment

Machine Feature	Benefit	Result for you
State-of-the-art transistorized solid-state electronics	Provides consistent, repeatable processes	Higher end-quality and lower scrap rates
Proprietary power supply	Optimized to maximize machine performance and dependability	Fewer production problems
PLC controller with touch screen interface	Maximized machine flexibility	Machine can be used for multiple set-ups and part configurations - therefore you achieve higher equipment utilization and faster payback.
Water cooled induction coil	Provides extended coil life, consistent coil output and more consistent electromagnetic field pattern	Extended coil life results in lower tooling costs. Consistent coil output and field patterns will generate higher product quality levels and reduced reject rates.
Simple, rapid tooling change-overs and adjustment	Minimizes equipment down time	Maximizes your production capacity and efficiency
Program security (optional)	Prevents unauthorized changes to process settings	Can reduce the amount of direct supervision and quality checks needed at shift start-up
Flexible programming structure	One program can be used for multiple set-ups or products	Eliminates expensive and time-consuming reprogramming, so you are starting production with less changeover time.
Made from stainless steel and other cleanroom-friendly materials	The machine can be taken directly into your cleanroom	Faster start-ups, no product contamination caused by machine components or tooling
Turn-key systems	The machine is ready to go straight from the shipping container directly to your production area	faster start-ups, lower installation costs
Precision fabricated tooling and fixtures	Minimized dimensional variances due to tooling	Improved process capability and higher percentage of in-spec parts
Free one-on-one training in PlasticWeld's facility	Expert training on process set-up and equipment maintenance	Enables your technicians to quickly bring equipment on line and keep it operating at peak efficiency
After-sale support	Our technicians are available to answer your questions - all phone consultations are free of charge	Minimizes learning curve and helps get equipment running at peak efficiency quickly to maximize your ROI.
Useable for all conventional thermoplastic polymers	Maximizes usability of the machine	Machine can be used for multiple set-ups and part configurations - therefore you achieve higher equipment utilization and faster payback.
Customized machine operation and maintenance manual	Contains instructions and schematics for your specific machine and tooling combination	Eliminates confusion caused by one-size-fits-all directions
Tipping/ Flaring / Flanging Feature	Benefit	Result for you
Customized forming tools with proprietary surface finish	Tools match exactly what you specify and impart a high quality surface to the formed tubes	High quality formed ends with smooth surfaces for maximum patient comfort
Single or multiple cavity production set-ups	Scalable equipment grows with your production volumes	Minimal investment to increase production volumes
Combination machines	Multiple operations such as tipping and eye forming can be performed on one machine.	One machine means less equipment and more available floor space
PlasticWeld tippers and end formers handle virtually all tube sizes and cross-sectional shapes	Maximizes usability of the machine	Machine can be used for multiple set-ups and part configurations - therefore you achieve higher equipment utilization and faster payback.
Both open end and closed end tips can be made on the same machine	A simple tool change maximizes usability of the machine	Machine can be used for multiple set-ups and part configurations - therefore you achieve higher equipment utilization and faster payback.

High quality materials used to fabricate the forming dies	Tooling is durable and wear-resistant	Minimizes tooling costs
Simple, rapid tooling change-overs and adjustment	Minimizes equipment down time	Maximizes your production capacity and efficiency
Proprietary air-cooled (standard) or water-cooled (optional) tooling systems	Provides fast cooling of formed parts	Minimizes cycle time and maximizes your production capacity and efficiency
Dual alternating station machine	One station can be loaded or unloaded while the other is forming	Minimizes cycle time and maximizes your production capacity and efficiency

Eye forming / Cutting / Skiving Feature	Benefit	Result for you
Custom-designed eye forming tooling	Provides smooth-edged holes	Maximum patient comfort
Skived holes are produced using precision cutters	Burr-free edges	Maximum patient comfort
Drilled holes are produced using hardened, high quality steel tools	Provides true-round holes with burr-free edges	Maximum patient comfort
Customized machines to index and drill holes in multiple locations along the catheter	High efficiency, tight tolerance design	Minimizes cycle time and maximizes your production capacity and efficiency
Combination machines	Multiple operations such as tipping and eye forming can be performed on one machine.	One machine means less equipment and more available floor space
Dual alternating station machine	One station can be loaded or unloaded while the other is forming	Minimizes cycle time and maximizes your production capacity and efficiency

Tube-to-tube / Tube-to-balloon Bonding Feature	Benefit	Result for you
Tube of similar or dissimilar shapes and sizes can be bonded together	Leak-free joints with excellent tensile strength	Eliminates solvents or adhesives. Expands design capability and functionality of catheters, simplifies catheter fabrication and assembly
Balloons can be bonded to tubes	Leak-free joints with excellent peel resistance and smooth tapered transition to the tube OD.	Eliminates solvents or adhesives, improved patient comfort
Dual alternating station machine	One station can be loaded or unloaded while the other is forming	Minimizes cycle time and maximizes your production capacity and efficiency
Combination machines	Multiple operations such as tipping and balloon bonding can be performed on one machine.	One machine means less equipment and more available floor space

Forming Dies	Benefit	Result for you
PW MaxDie	Made from high quality, precision-machined stainless steel with proprietary surface finish	Long life, wear-resistant design will maximize your tooling investment. Maintenance is minimized to assure maximum productivity. Tight tolerances assure dimensional conformance to your specifications.
PW MaxDie Plus	Made from high quality, precision-machined carbide with proprietary surface finish	All the features of the PW MaxDie, with the added benefit of the highest resistance to abrasive materials.
PW NiDie	Made from proprietary nickel alloy	Fast delivery and lower cost supports rapid prototyping. Medium-life die is appropriate for short to medium length production runs.

PlasticWeld Systems, Inc.	Benefit	Result for you
Stable, progressive company with 35+ years of device manufacturing experience	We understand your production and design needs, and can avoid many common problems	Faster turnaround of equipment, better equipment performance "out of the box".
We use a blend of cutting-edge technology and conventional, proven techniques in developing our equipment	Cutting edge technologies assure the best process control, and time-tested conventional techniques assure the system will operate trouble-free	Faster production start-up and higher throughput due to minimized production defects and scrap

PlasticWeld Systems is "right-sized"	Staffed to deliver professional results, but still responsive to your needs	Personalized service with a partnership mentality to deliver what you need - when you need it
Continuous improvement and personnel skills development	We stay current with evolving technologies and incorporate enhancements into our equipment	You get the most reliable equipment available