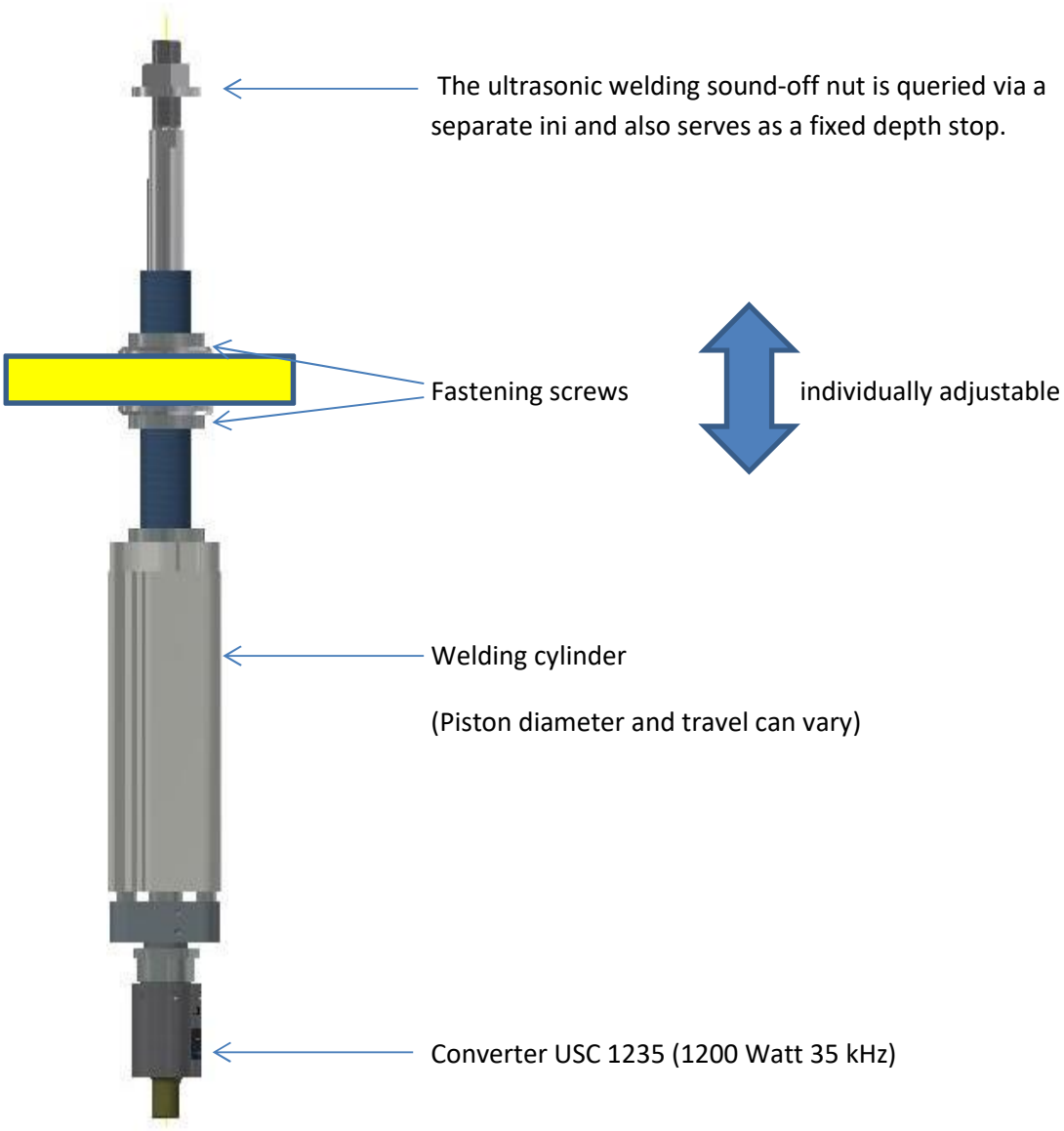
Information for Welding actuator - Thruster

Example of a welding actuator – Thruster without a horn:



We supply top of the line pneumatic ultrasonic welding actuator, for all ultrasonic welding applications, with linear roller bearings, in all frequencies.

FEATURES

- **Narrow profile** for close center to center distances in multi head and automation installations
- **Rugged construction** using the highest quality components provides superior performance, precision, and reliability
- **Compact, single-rail linear ball slide assembly system** offers accurate positioning, stable movement, and friction-free resistance
- **Optional hydraulic slow speed** available for precise, repeatable control of horn travel during the weld cycle
- **100mm, or 150 or 200mm stroke** with mechanical bottom stop adjustable in .001″ (.025mm) increments
- **Top-of-stroke limit switch** for automation application
- **Titanium booster are** standard
- **High-performance transducer** is standard
- **Remote pneumatics availability** offers increased flexibility in system integration
- **Actuator - thruster design provides system flexibility and upgradeability,** reducing equipment investment
- **Compatible with many brands of assembly system**

SPECIFICATIONS

Options

HYDRAULIC SPEED CONTROL precision hydraulic control of the melt velocity. Critical to achieve maximum weld strength in staking, inserting and shear joint applications.

LINEAR OPTICAL ENCODER Ability to weld by collapse and absolute distance through of stroke with .0005 of an inch resolution.

PRE-TRIGGER and END-of-WELD LIMIT SWITCHES Pre-trigger provides ability to initiate weld (sonics on) phase of the cycle prior to contacting part. Great for staking applications. End of weld provides ability to weld to predetermined position in the stroke, simple absolute distance.

38mm, or 51mm or 63mm and 76mm piston air cylinder diameters

OPTICAL cycle activation switches

Images of built-in welding units

Welding actuators with horns