

AMTEC

Applied Manufacturing Technologies, Inc.

Ultrasonic Plastic Welding

Ultrasonic Technology has certainly proved its worth in practice as an assembly process for thermoplastics. This process presents major advantages over conventional methods, especially in the production of serial parts: high stability, clean welds, short processing times, extremely low wastage, and low energy consumption.

Your Reliable Source and Partner in...

- **Ultrasonic Welding Systems**
- **Generators**
- **Actuators**
- **Hand Held Unit**
- **Multi-convertors**



Ultrasonic Welded parts



AMTEC - Applied Manufacturing Technologies, Inc.

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Ultrasonic Welding Systems



Characteristics & Advantages

- 5 different welding modes
- Circular welds
- Modular construction
- High rigidity
- Programmable Inputs/Outputs
- Rotary and sliding table functions



SONIQ-TWIST

**Horizontal Rotational Welding
to protect components inside
the housing.**

(for smaller parts)



Fabric – Cut & Seal

Generators and Actuators



- Frontside connections for controls
- Interfaces for RS-232 and Profibus
- Ultrasonic PUR or PLUS with controller for an actuator
- Proven generator technology
- Simple operation with functionality
- Up to 6 kW

Newest Generators SG/SGM series

AMTEC exclusively introduces the innovative, brand new IPA 3505 actuator unit with integrated generator. This unit can be operated in welding machines, opens entirely new possibilities to the users and offers various advantages for conception, building and production.



Actuators for Automation & System Integration

DHG Series

Type	Frequency	Power
DHG2010	20kHz	1000W
DHG2030	20kHz	3000W
DHG2040	20kHz	4000W
DHG2045	20kHz	4500W



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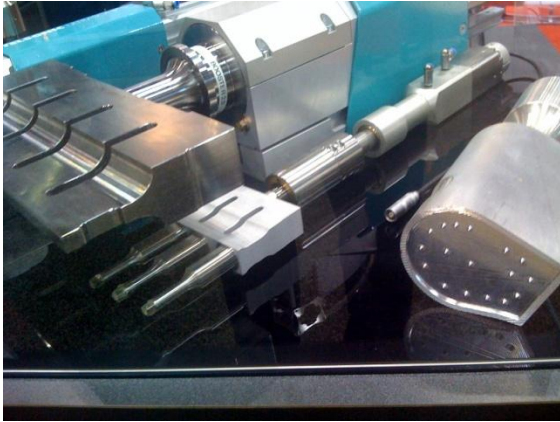
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Hand Held Unit & Multiconvertor

Hand welding Unit Handy STAR can be used where automation is not a practical or economic option. It is very light and transportable and is very easy to use. For operation, only a 230 V supply is required. With easy, fast changing of the sonotrode and the high generator capacity, the Handy STAR combination is especially useful for intensive handwelding applications.



Handy STAR 35kHz 1000 W



All varieties of horns to match your application.



Rotary head for continuous sealing.

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