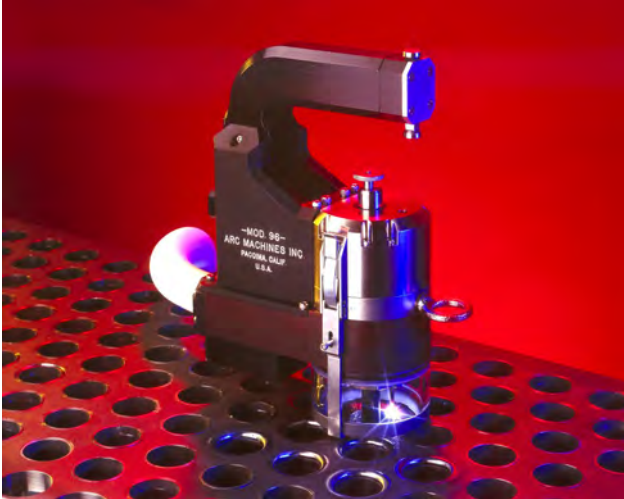


MODEL 96

SELF-SUPPORTING TUBE-TO-TUBESHEET GTAW (TIG) WELD HEAD

AMI
ARC MACHINES, INC.®

The widest range of orbital welding equipment in the world



The Model 96 is a compact, automated weld head designed for high-speed, high-production autogenous welding of tubes to tubesheet. Welds made with the Model 96, utilizing the GTAW (TIG) welding process, can pass the most rigid specifications.

The weld head is held in place on the tube to be welded by an expanding mandrel. This mandrel is actuated by a single button, conveniently located on the handle. Actuation of the mandrel holds the weld head firmly to the tubesheet and positions the torch concentric to the tube to be welded. The Model 96 features a completely enclosed purge chamber. The gas chamber eliminates the use of gas cups and provides superior shielding for materials which oxidize easily, such as titanium.

FEATURES

- Welds on flush, slightly recessed or slightly projected without the use of filler wire.
- Pulsed-current welding, and synchronized torch rotation.
- Servo-controlled rotation.
- Pneumatic mandrel operation.
- Transparent or opaque purge chamber.
- Self-supporting on tubesheet.
- Complete coverage of weld area with inert gas.
- Welds in any position, including overhead.
- One-button operation, quick mount and dismount.
- Water-cooled weld head.

QUICK SPECS

Tube Size Range

0.375" ID (9,525 mm) (min.)
1.87" ID (47,498 mm),
2.0" OD (50,8 mm) (max.)

Tungsten Size

1/16" or 3/32"
(1,6 mm or 2,4 mm \varnothing)

Weight

7 lbs. (3,17 kg)

Weld Current

Max. 150 ADC

Travel/Rotation Speed

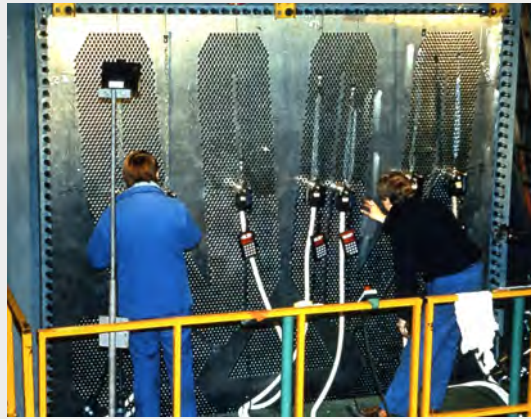
0.1 - 9.9 RPM



www.arcmachines.com

sales@arcmachines.com

MODEL 96 TUBE-TO-TUBESHEET WELD HEAD



COMPATIBLE AMI POWER SUPPLIES

The Model 96 is compatible with all AMI Power Supplies.



Model 205

The Next Generation
in Orbital Welding



Model 207

Workhorse of the
Automated
Welding Industry



Model 307

High-End Capability
for Advanced Fusion
Welding Applications



Model 227

The #1 Power Supply
for Heavy Wall
Pipe Welding



Model 415

The Industry's
Most Advanced
Power Supply
and Controller

*Leaders & Innovators in
Automated Orbital Welding*

*For further information please visit our website
or contact us at 1-818-896-9556*



AMI

ARC MACHINES, INC.®

www.arcmachines.com

sales@arcmachines.com

HEADQUARTERS
Arc Machines, Inc.

10500 Orbital Way
Pacoima, CA 91331 U.S.A.
Tel: +1 / 818 / 896 / 9556
Fax: +1 / 818 / 890 / 3724
sales@arcmachines.com

EUROPEAN BRANCH OFFICE
Arc Machines, Inc.

Chemin du Lavasson 2, CH-1196
Gland, Switzerland
Tel: +41 / 22 / 995 / 0051
Fax: +41 / 22 / 995 / 0059
sales@arcmachines.ch

GERMAN OFFICE
Arc Machines GmbH

Markelsbach 2
D-53804 Much, Germany
Tel: +49 / 2245 / 91680
Fax: +49 / 2245 / 916868
sales@arcmachines.de

UK OFFICE

Arc Machines UK Limited
Unit 2 Lamport Court
Heartlands Business Park
Daventry, NN11 8UF, UK
Tel: +44 / 1327 / 312787
Fax: +44 / 1327 / 315034
sales@arcmachines.co.uk