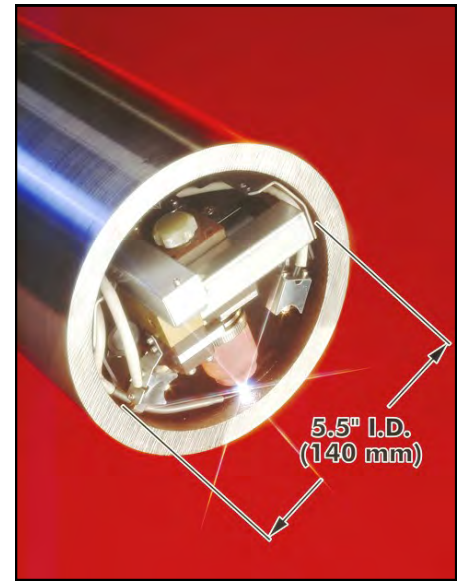
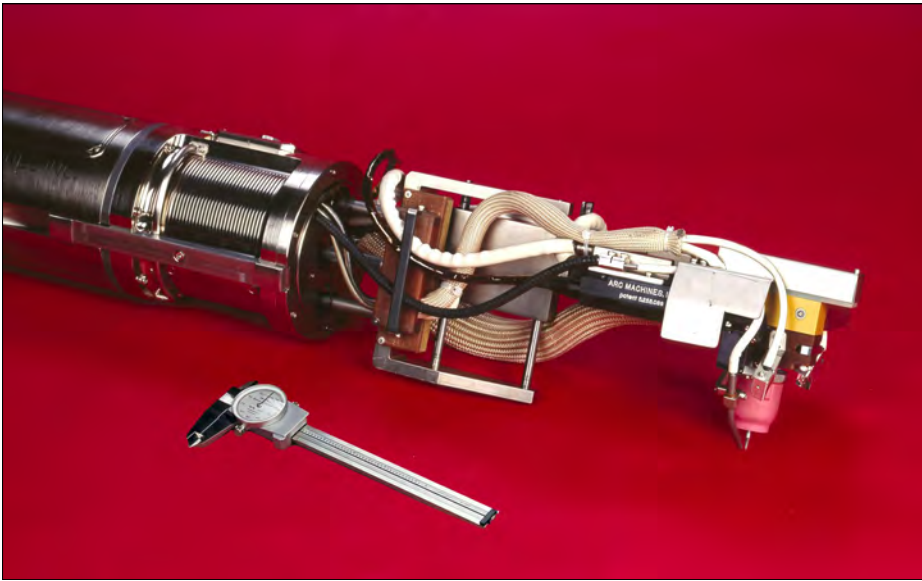


MODEL 73

SMALL-BORE ID PIPE WELD HEAD

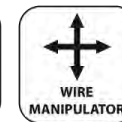
AMI
ARC MACHINES, INC.®

The widest range of orbital welding equipment in the world



The Model 73 weld head is designed to make butt weld, cladding and weld overlay repairs by remote control on the inside diameters (ID) of piping and specialized valve systems. The Model 73 is a smaller version of the industry standard Model 43 weld head. It is a rugged, field-proven weld head for use in small diameter pipe and other limited radial clearance applications.

The standard weld head is equipped with an AVC (Arc Voltage Control), Torch Oscillation (weaving), onboard Wire Feeder, and Travel for use in small diameters. The weld head can also be equipped with a remote arc viewing system and remote controlled wire manipulator (wire up/down and in/out) that allow adjustment of the filler wire to electrode relationship.



QUICK SPECS

AVC Stroke

2" (504 mm) or
1" (25 mm) optional

Wire Feed Speed

5 - 200 IPM
(13 - 500 cm/min.)

Rotation Speed

0.05 - 1.0 RPM

Remote Torch Tilt

+/- 15°

Tungsten Size

3/32" or 1/8"
(2,4 or 3,2 mm Ø)

Filler Wire

0.030" or 0.025"
(0,8 mm or 0,6 mm Ø)

Wire Spool

2 lbs. or 4" standard
(1 kg or 100 mm Ø)

Torch

Water-cooled
250 A DC 100% Duty Cycle

ID Range

5.16" - 20"
(131 - 508 mm)

Weight

40 lbs. (less cables)
(18 kg) including remote
vision system

Torch Cross-Seam Steering Range

1.88" (47 mm) or 0.88" (22 mm) at max. oscillation.

www.arcmachines.com

sales@arcmachines.com

MODEL 73

SMALL-BORE ID PIPE WELD HEAD

STANDARD FEATURES

- Small-bore ID weld head with 250 A GTAW torch.
- Servo-controlled rotation.
- Servo-controlled AVC.
- Servo-controlled synchronized wire feed.
- Servo-controlled torch oscillation and dwell.
- Electronically controlled torch steering.
- Built-in wire-feeder and wire spool holder.
- Water-cooled body for use in pre-heated pipes.

OPTIONAL HARDWARE

- 1" AVC stroke (25 mm) to allow use in 5.160" (131 mm) ID.
- 2" AVC stroke (50 mm) to allow use in 5.66" (144 mm) or larger ID.
- Large selection of torches for limited reach welding ID as small as 1.125" (29 mm) available.
- Remote torches with motorized wire feed manipulators and video options available.

COMPATIBLE POWER SUPPLY



Model 415 programmable multi-function
Power Supply.



Leaders & Innovators in

Automated Orbital Welding

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



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