



**ARC MACHINES, INC.**

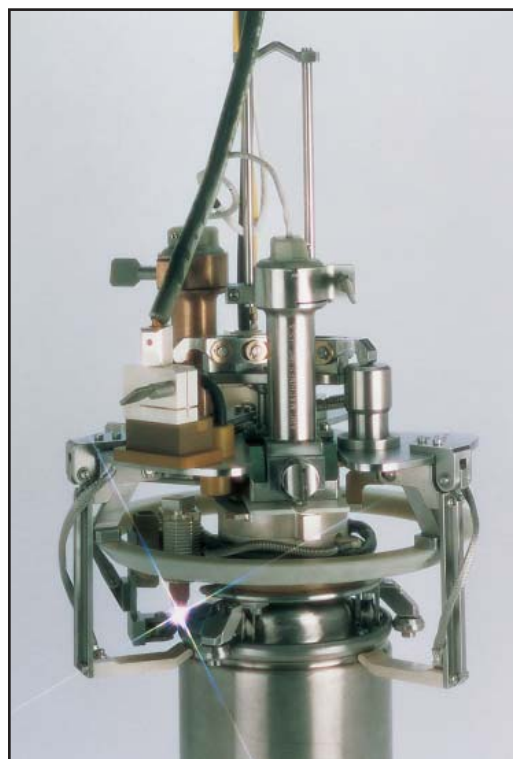
*The widest range of orbital welding equipment in the world*

## NUCLEAR WASTE CANISTER WELDING



*Model 7 Hot Cell Lid Welder*

Arc Machines, Inc. designed and manufactured its first Nuclear Waste Canister Welding System in 1977. We have continued to design and produce specialty Canister Welders almost every year since then for installations at Battelle Pacific Northwest Labs, Westinghouse Savannah River, PAMELA (Belgium); NPCIL (India) and KFK (Germany).



*Model 34  
Hot-Cell Canister Welder*



*Rotary 60 inch Diameter Full-Function Seal Welder*

**ARC MACHINES, INC.**

AMI is an ISO 9001 Certified Company

**[www.arcmachines.com](http://www.arcmachines.com)**

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## NUCLEAR WASTE CANISTER WELDING

Although many aspects of Canister Welding are similar, almost every application has unique aspects that require experience in the field to understand and insure success. AMI has that experience.

- Autogenous GTAW fusion welding systems
- Hot or cold wire feed GTAW welding systems
- Patented vision systems providing the best arc view in the industry
- Remote manipulation of multiple weld head functions
- Operation and maintenance compatible with hot cell manipulators
- Remote weld head centering systems
- Extremely reliable and repeatable Power Sources with the latest Windows compatible technology for weld schedule and weld data storage
- Data acquisition systems

## OTHER AMI PIPE WELDING HEADS



### MODEL 79 SERIES

Full-function weld heads designed for precision orbital welding with or without filler wire of tube, pipe and fittings from 0.75" to 6.625 O.D.



### MODEL 15

Field-proven, weld head for large-diameter pipe with low radial clearance for welding of all pipe sizes from 3" pipe up to unlimited size.



### MODEL 81

Weld head for small-diameter pipe. Will weld from 1.9" O.D., 1.750" min. radial, 6.325" min. axial clearance.



### MODEL 73

Weld head for I.D. cladding or welding of pipe joints. Will weld from 5.145" I.D. to 20" I.D.

### Arc Machines offers:

Extensive knowledge base of suitable materials for high radiation and caustic environments

Multiple canister welding systems in use worldwide

On-site and/or in-house factory training

Our qualification facilities are second to none to help in developing your procedures

Worldwide sales, service and training facilities

Custom Engineering to meet your specifications



To order free  
**PRODUCT BROCHURE**  
**CD-ROM, please go to**  
[www.arcmachines.com](http://www.arcmachines.com)

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