

THINK JETLINE - AUTOMATICALLY THE BEST

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# jetline<sup>®</sup> engineering

An Illinois Tool Works Company



## JETLINE SEAM WELDERS

Jetline has an extensive range of seam welders  
for any welding requirement.

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With more than 50 years of experience in the design and manufacture of mechanized welding equipment, Jetline has an experienced team of professionals to design, build, and test every product offered. Our team includes Mechanical, Electrical, Software, and Welding Engineers along with Manufacturing and Customer Support staff.

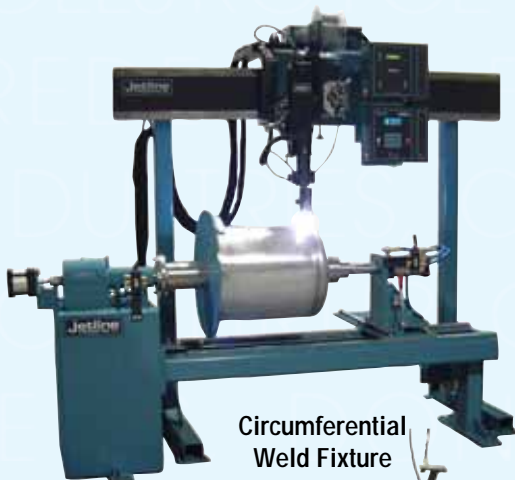
If you need to automate your current welding operation or add a turnkey system, the Jetline team will work in partnership with you to develop welding solutions to meet or exceed your production requirements. Working together, a detailed technical specification and cost proposal covering all possible alternatives is presented. To insure your satisfaction with the final product, we offer in-house training on your system along with the option of installation and commissioning on your shop floor.

With Jetline, you get single-source responsibility for all the elements of your welding system.

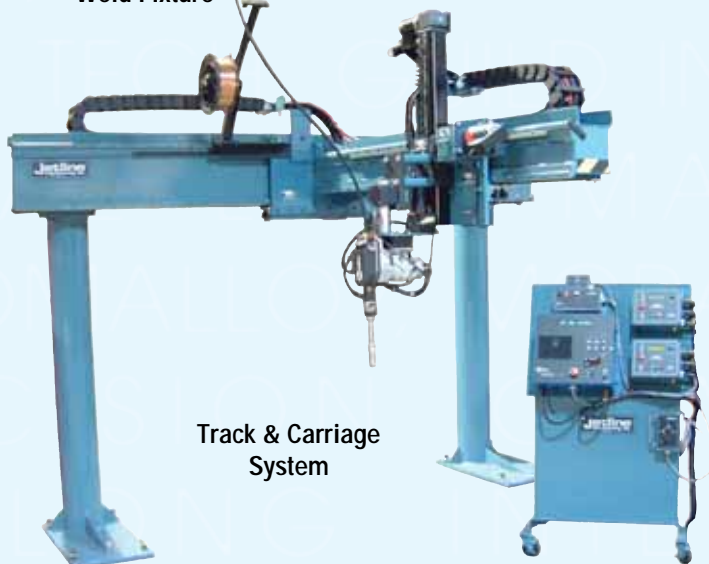
## FIXTURING



Vertical Coil Splicers



Circumferential  
Weld Fixture



Track & Carriage  
System



Longitudinal Seam Welder



Vacuum Assist  
Welding Chamber

The fixturing range of products forms the base of any welding system and includes anything that is used to hold and position the part for welding or to position and move the welding torch relative to the part being welded. These products include longitudinal seam welders, weld planishers, circumferential welders, weld head locators, welding chambers, and side beam tracks and carriages.



# CONTROLS AND ACCESSORIES



9600 Series Micro-Processor Control

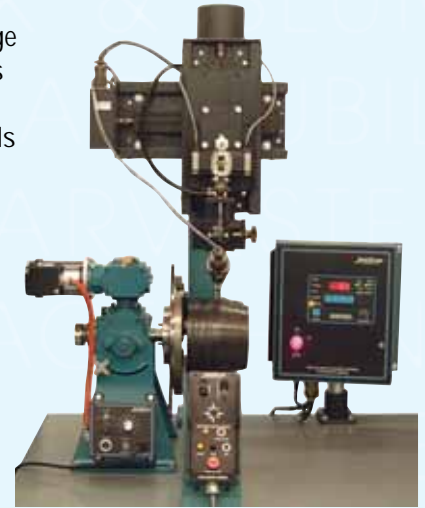
When a system is being designed, Jetline places high priority on the accurate control of the welding process. For this reason, the company produces an unequalled range of controls, all of which are fully compatible with Jetline's fixturing products. All of these controls are also suitable for use with other manufacturers' fixturing. Jetline controls include seam trackers, arc length controls, wire feeders, oscillators and video monitoring systems along with the 9600 Series Microprocessor Controls.



Hot Wire GTAW/PAW Process



Jetview Video Arc Monitoring System



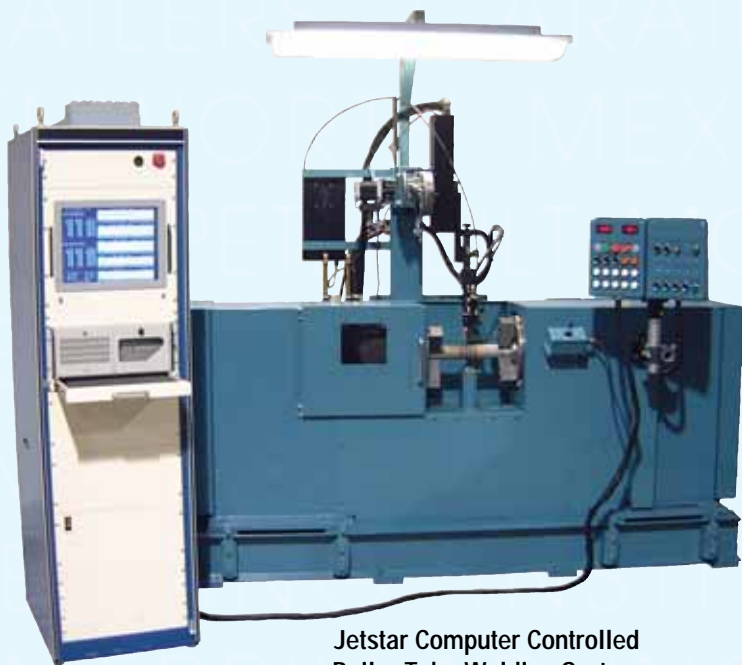
Cyclomatic Tactile Seam Tracker with ZB-300 Benchmaster Positioner

## SYSTEM INTEGRATION

For a fully integrated system, it is important that all the elements of the system work in harmony with each other. Jetline system integration products include microprocessor and computer controllers. These are used to control all the welding parameters, using closed-loop control where appropriate, and to store welding procedures for later recall. This type of control has data acquisition capabilities. Both the Jetstar Computer Controller and the 9500 System Control, as an option, are capable of transmitting data to a personal computer for the development, editing, and saving of programs.



9500 Controlled Weld Head Locator



Jetstar Computer Controlled Boiler Tube Welding System



9500 Controlled Tube Welding System

# Jetline is your partner in welding automation.



Jetline Engineering is an experienced supplier of welding automation products. Starting out in 1956 as a local supplier of mechanized welding systems called Airline Welding and Engineering, the business grew into a global supplier named Jetline Engineering.

Illinois Tool Works (ITW), a Fortune 500 Company, acquired Jetline in 2000, combining it into its Welding Products Group.

Jetline Engineering specializes in the manufacture and supply of equipment for mechanized arc welding - GTAW, PAW, GMAW, and SAW. The company's mission is to provide you with a complete solution: on the individual control or component level, retrofit to your existing equipment, or provide a total turnkey solution.

Jetline products fall into three distinct categories:

- Fixturing - holds and positions the torch and/or part
- Controls and Accessories - regulates welding parameters
- System Integration - turnkey systems that include all types of welding equipment

## Fixturing

- Benchmaster Positioners & Accessories
- Circumferential Welders
- Longitudinal Seam Welders
- Precision Welding Lathes
- Roll Planishers
- Side Beam Tracks and Carriages
- Weld Head Locators
- Welding & Vacuum Chambers

## Controls and Accessories

- 9600 Series Controls
- Automatic Arc Length Controls
- Cold Wire Feeders
- CSC MIG Weld Process Controller
- Cyclomatic "Bolt On" Automation
- Dabber Type Wire Feeders
- Hot Wire GTAW/PAW Process
- Tactile & Laser/Optical Seam Tracking
- Video Monitoring Systems
- Weld Oscillators

## Automatic Welding Controls

- 9500 System Control
- Jetstar Computer Control

## System Integration

- Boiler Tube Welding Systems
- Space Propulsion
- Rotor Repair Systems
- Bore Cladding Systems
- Custom Solutions



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