

Holland[®] GLOBAL WELDING EQUIPMENT

For nearly 90 years, Holland has been a leader in the global railroad community. As an OEM and operator, we engineer and manufacture welding equipment and control systems that serve over 36 countries from our ISO-9001 facility in the USA.

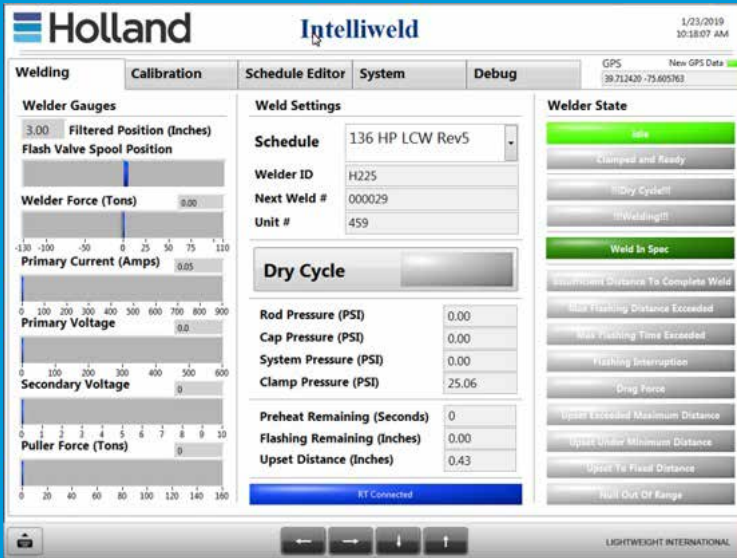


**BATTERY, GENSET,
OR SHORE POWER
CONFIGURATIONS**

**CUSTOM WELDING
PROGRAMS
TAILORED TO
YOUR RAILWAYS**

**HEAVY HAUL TO
HIGH SPEED RAIL**

INTELLIWELD® CONTROL SYSTEM



This system provides unparalleled control over the flashing process and rail consumption. Simple program adjustments allow us to tailor rail consumption to requirements for localized track structures and target rail neutral temperature. In addition, lower rail consumption reduces the amount of de-clipping and clipping required.

Qualified weld programs are password protected to prevent unintended changes. Intelliweld also incorporates a data collection system providing both a digital certificate and a graph for each weld. The graph allows a technician to review the elements of the weld process: Current, Force, Platen Position. This data coupled with remote access allow our welding experts to provide support from anywhere on the globe.

Holland's Intelliweld Control System was designed by people who weld rail for people who weld rail. For over a decade our fleet of nearly 200 MobileWelders in North America has been using the Intelliweld system to provide an unmatched degree of accuracy and > 99.99% weld quality conformance.

TOP TEN FEATURES INCLUDE

1 Single System Control

2 Hardened Electronic Equipment

3 Remote Welder Interface for Software Updates & Troubleshooting

4 Certified Weld Schedule Lock

5 Sub Millisecond Weld Process Control

6 Flashing Interrupt Monitoring

7 In-Process Automated Weld Parameter Adjustment

8 Automated Calibration Routine

9 Valve Null Readings Determined During Calibration

10 Automated Weld Quality Checks

WELDING EQUIPMENT

H-650

**65 Metric Tons
(72 Tons)**

- High mobility & ease of operation
- Welds all rail types
- Integral automatic shearing system
- Replaceable electrode inserts lowers cost of operation
- Welding of long strings of rail (up to 400 meters)



H-1000

**100 Metric Tons
(110 Tons)**

- Horizontal clamp cylinder configuration
- Ability to drag/position long lengths of rail
- Welding of all rail types
- Integral automatic shearing system
- Replaceable electrode inserts lower cost of operation
- Welding of long strings of rail (up to 400 meters)



Puller-Lite

**145 Metric Tons
(160 Tons)**

- Designed for closure welding and rail destressing
- Can be operated manually or independent of welding machine
- Releases stress on welder and physical loads for manpower
- Independently controlled hydraulic jacks for precise alignment
- Highest capacity to weight ratio in the industry
- 38 cm (15 inch) stroke length available for closing large rail gaps



G-HEAD

**80 & 130 Metric
Tons
(88 & 118 Tons)**

- For welding specialty rails for overhead and portal crane applications
- 130 tonne welding machine has capability to weld A120 and A150 rail
- Long umbilicals for crane applications
- Capable of welding light rail profiles such as tram, transit or grooved rail



CONTAINER WELDER MACHINE

Our Container Welder provides the complete welding package, including a battery, genset or shore power unit and multiple crane configurations. This low-sensor system increases durability to create a long-lasting asset for your railways. It can be used as a stationary welding machine to generate long welded rail sections or on a customer-supplied mobile carrier to deliver in-track welds.



FLASH-BUTT MOBILEWELDER®

Our MobileWelder® was first introduced to the industry and pioneered by Holland in 1979. This versatile flash-butt welding machine is a virtual mobile welding plant that can travel both on the rail and on the highway and is most easily relocated from one job site to another.

CURRENTLY SUPPORTING FLASH-BUTT WELDING IN OVER 36 COUNTRIES

Our core values of family, respect, partnership, integrity, and improvement provide the foundation for everything we do. For our partners, this means we deliver our commitments to safety: striving towards zero injuries and accidents; quality: providing quality products and services and continually looking for ways to improve; and leadership: developing industry leading technology and employees.



PRE-SALE ASSISTANCE

Holland will explore your company's specific needs including your unique application, environmental or certification requirements. Training and support needs are analyzed to ensure your solution is the right fit and within your budget.

CONTINUED POST-SALE SUPPORT

Holland's commitment doesn't stop once the first weld is made. We continue to provide you with training, operator certifications, parts and maintenance support. Replacement parts are inventoried and normally ready to ship within one business day. Our Intelliweld Control Systems come with remote diagnostics to support your railway operations across the globe and maximum your uptime.

Certifications include:

AREMA Chapter 4 – Rail 80-ES-035F-99-7001 / Network Rail / United Kingdom / Flash Welding Rails Standard EN 14587 – 2 / European Standard for Mobile Welding Machines Section B11 400 / Australian Standard AS 1085.20 / Other country and local welding standards such as Malaysia, Singapore and Hong Kong TB 1632-85 / Taiwan Rail Welding / Department Standard of Rail Department of the Peoples Republic of China / Thailand and Myanmar specifications / Government of India Ministry of Railways – Manual for Flash Butt Welding of Rails / Africa Field Welding of Rail Joints / Brazil Section 02467/ Netherlands, Hungary and Italy specifications

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