



# FLASH-BUTT WELDING EQUIPMENT

For 90 years, Holland has been a leader in the global railroad community. As an OEM and operator, we engineer and manufacture welding equipment that serves railways in over 36 countries.



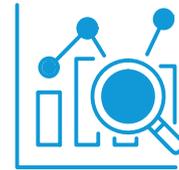
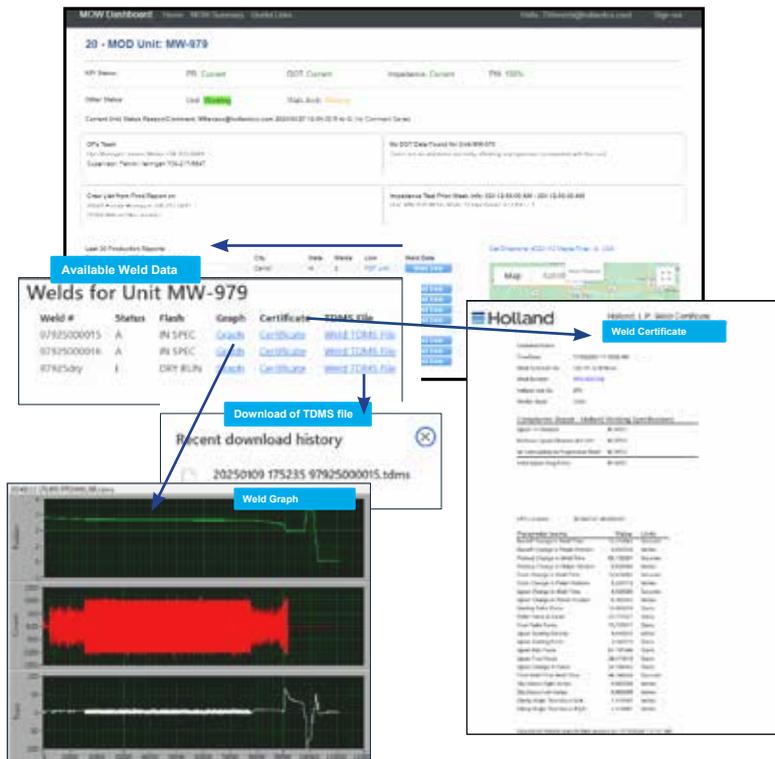
**BATTERY, GENSET,  
OR SHORE POWER  
CONFIGURATIONS**

**CUSTOM WELD  
PROGRAMS & DATA  
MANAGEMENT  
TAILORED TO YOUR  
RAILWAYS**

**PRECISION FROM  
HEAVY HAUL TO  
HIGH SPEED RAIL**

# INTELLIWELD® CONTROL SYSTEM & WELD DATA MANAGEMENT

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 and Australia have been using the Intelliweld system to provide an unmatched degree of accuracy and > 99.99% weld quality conformance.



## COLLECTING DATA THAT MATTERS

- Data collection system provides digital certificate and graph for each weld
  - Allows a technician to review the elements of the weld process: Current, Force, Platen Position
- Technician can zoom into small increments of time on large scale which is beneficial in troubleshooting
- All data is easily downloaded to common programs (Excel) to statistically analyze weld data

## 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

Holland welders are known for their flexibility and longevity. Our low sensor systems are durable with replaceable electrode inserts that lower the cost of operation. Proven from heavy haul to high-speed rail, our welders ensure precision whether welding new rail or old to new. Coupled with Intelliweld, the welders' automated alignment features and shearing systems ensure precision and quality.



<b>H-650</b> 65 Metric Tons (72 Tons)		<b>H-1000</b> 100 Metric Tons (110 Tons)	
380-480 VAC Nominal at 50-60Hz	<b>Rated Voltage</b>	380-480 VAC Nominal at 50-60Hz	
195kVA	<b>Rated Power (50% Duty Cycle)</b>	210 kVA	
207 bar (3000 PSI)	<b>Rated Hydraulic Pressure</b>	207 bar (3000 PSI)	
720 kN	<b>Rated Upset Force</b>	1000 kN	
1970 kN	<b>Rated Clamping Force</b>	2550 kN	
40-75kg/m	<b>Rail Profiles</b>	40-75kg/m	
2950 kg (6500 lbs)	<b>Mass</b>	3000 kg (6600 pounds)	

## G-HEAD WELDER 80 & 130 Metric Tons (88 & 118 Tons)

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



SPECIALTY EQUIPMENT

## PULLER-LITE 145 Metric Tons (160 Tons)

- Designed for closure welding and rail destressing
- Can be operated manually or independent of welding machine
- 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

## CONTAINER FLASH-BUTT WELDER

Our Container Welders provide the complete welding package, including a battery, genset or shore power options and multiple crane configurations. They 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.



CONFIGURATIONS



## FLASH-BUTT MOBILEWELDER®

The MobileWelder was first introduced to the industry by Holland in 1979. This versatile flash-butt welding machine is a virtual mobile welding plant that can travel both on rails and on the highway, easily relocating from one job site to another.

# BUILT FOR YOUR RAILWAYS BACKED FOR THE LONG HAUL

Holland takes the time to understand your company's specific welding needs, including unique applications, environmental conditions, and certification requirements. We assess your training and support needs to ensure the solution we deliver is the right fit within your budget. Our commitment doesn't end after the first weld is made. Holland partners with you to provide ongoing training, operator certifications, spare parts, and maintenance services, so you can keep moving forward with confidence.



## COMMISSIONING & TRAINING

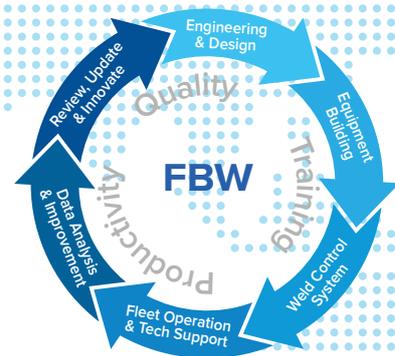
- On-site commissioning and operator training upon delivery included
- Experienced team to provide on-going training and certifications as needed

## WELD DATA MANAGEMENT

- Weld data provided and reviewed by Holland to ensure optimal welder performance
- Available reports distributed via email:
  - Out of Spec Weld Report
  - Impedance Testing Report
  - Dry Cycle Report
  - GPS Report
  - Non-Standard Weld Program Report

## SERVICE & SPARE PARTS

- Robust remote support from Holland welding experts via Intelliweld remote access and diagnostics to keep you running no matter the distance
- Experienced service team to provide maintenance support for equipment, including on-site repairs
- Easy access to spare parts from our US and Asia Pacific HQs



**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 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

Visit us at  
[hollandco.com](http://hollandco.com)

 **Holland**<sup>®</sup>

+1-708-672-2300  
[sales@hollandco.com](mailto:sales@hollandco.com)