

INTELLIWELD[®]

MobileWelder[®]

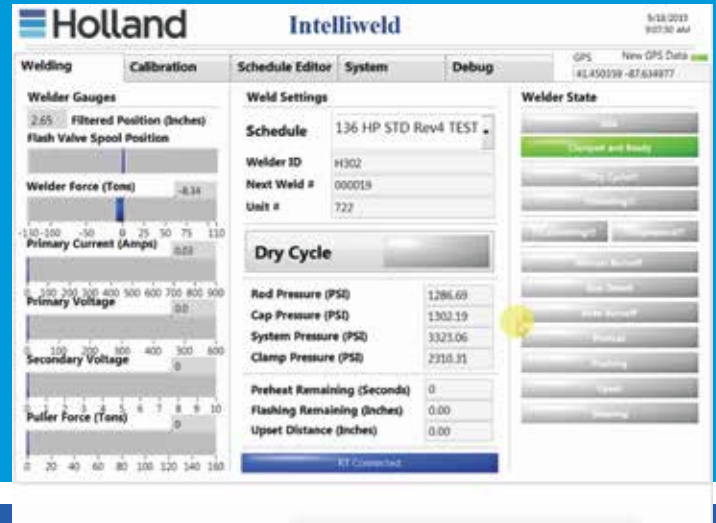


 **HRSA**

Holland Rail Services Australia

INTELLIWELD™ CONTROL SYSTEM

- Low consumption weld capability
- Real-time weld monitoring, control and diagnostics
- Real-time automated data collection, weld parameter certification, charting and archiving
- Real-time automated full fleet operational dashboard



The Intelliweld® control system provides unparalleled control over the flashing process & rail consumption (low consumption welding). Simple program adjustments allow us to tailor rail consumption to your requirements for localized track structures & target rail neutral temperature. Lower rail consumption reduces the amount of de-clipping and clipping required, improving productivity and reducing labor costs.

TOP TEN FEATURES

1. Single system control
2. Hardened electronic equipment
3. Remote welder interface for software updates and 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



FLASH-BUTT WELDING

In-Track Maintenance Welding

Flash-butt welds made by a Holland MobileWelder® at affected locations during defect removal are quick, effective, and frequently eliminate the need for installation of additional rail. Our proven low consumption welding technology in conjunction with our Puller-Lite eliminates the defects in the rail and joints, while increasing productivity and reducing labor. This established welding process ensures a high-quality, lasting repair.

In-Track New Construction

With the largest mobile flash-butt rail welding fleet in the world, we pride ourselves as pioneers in developing high-quality and cost-effective flash-butt welding technology solutions. Our Intelliweld® Control System provides an unmatched degree of accuracy and quality in the production of rail welds.

Portable Production Line Welding

Conversion of stick rail into Continuous Welded Rail (CWR) on-site with a Holland MobileWelder® is an efficient and cost-effective way of providing rail strings without the necessity and expense of having CWR delivered. The flexibility of setup and the portability of the equipment allows for intra-site work locations. The easily controlled fabrication of specific lengths required for the job make roller line welding a first option for rail fabrication for many projects.

In-Track Destressing

Utilizing a Holland MobileWelder® and 160-ton rail puller, we tension the rail - compressive forces are minimized by cutting the rail section and then stretching the rail section to neutral forces. A Holland flash-butt weld is then made; once cooling of the weld occurs, rail pulling ceases and the rail is re-anchored.

Laser Welding

Holland's LaserWelder™ service uses robotically controlled hot wire laser cladding (welding) to build back the damaged area on rail frogs. This process provides improved welding through lower heat input on parent material. The resulting repair is higher quality, longer lasting and can be completed two to three times faster than a traditional repair weld.



HOLLAND HAS PARTNERED WITH ARIES RAIL TO BRING THE WORLD'S BEST FLASH-BUTT RAIL WELDING TECHNOLOGY AND SERVICE TO AUSTRALIA

- **Full-service FBW** experts in Australia – built, supported and managed by Holland
- **Australian workforce fully trained** in FBW operations by Holland FBW experts
- Holland **best-in-class FBW training**, research and testing in support of operations

- **Mobile, portable** and **semi-fixed** environments
- Holland H650 Welderhead with standalone Rail Puller for **maximum FBW application** capability and flexibility

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