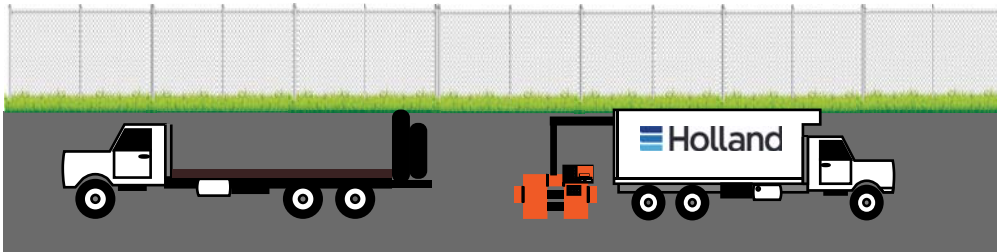


FLASH-BUTT WELDING

for the cost of Thermanite



Holland's Rail Flaw Detection Gang provides customers a Flash-Butt Repair Welding Solution that is cost competitive to a Thermanite Gang on per defect removal basis. The RFD Gang is offered in two different configurations and can be sized for the appropriate weld density on any customer's track. Below are the two different options that may be correct for your rail maintenance requirements.



OPTION 1 - RFD GANG

The RFD Gang is 100% road bound for easy mobilization to and around your property. It is designed to optimize the installation of 2-3 plug rails along with the corresponding 4-6 welds within an 8 hour work shift. The production target at each defect location is approximately 1 1/2 hours to install the plug rail, install 2 flash-butt welds and properly set PRLT. This allows the RFD gang to utilize track time that may otherwise go underutilized to perform the same tasks with a Thermanite Welding approach.

RFD GANG BENEFITS

- Plug rail loaded from your yard in 20' lengths; eliminating advanced distribution of the plug rails - can be utilized for an insulated joint or transition rail program
- Hauls approximately 1 weeks worth of rail; if property allows for cascading of removed parent rails
- Knuckle boom crane is operated from the ground - eliminating the need for a dedicated operator
- Eliminates the need for section gang support
- Welds plug rails that are pre-installed; if track condition warrants
- Properly restores PRLT at these locations every time, as long as the emergency plug installed is less than 20'
- Designed to be cost competitive with thermanite welding with average production of 2 plug rails and 4 welds installed per day
- Utilizes a 2 hr work block to install a plug rail and the associated welds
- The only support required is an EIC for track protection



For more information call [708.672.2300](tel:708.672.2300) or visit hollandco.com

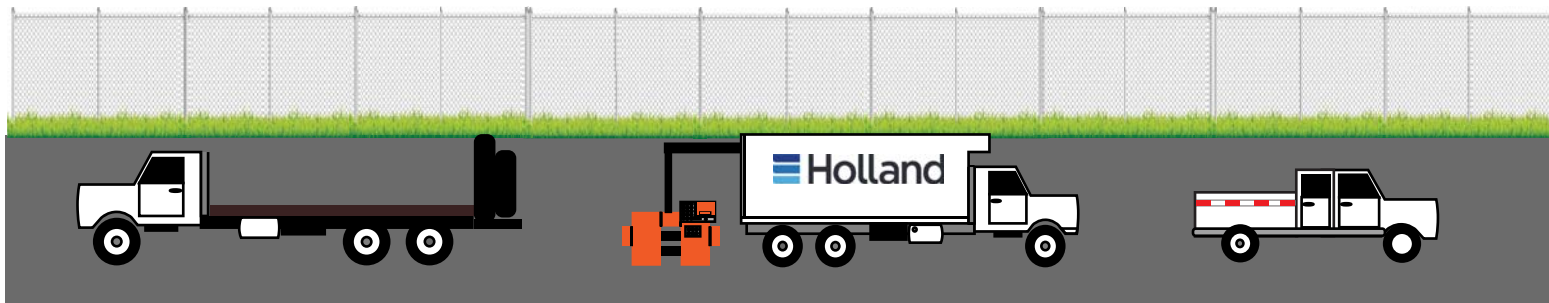
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OPTION 2 - HIGH DENSITY RFD GANG

The High Density RFD Gang is an expanded format of the RFD Gang. It remains 100% road bound for easy mobilization to and around your property. It is designed to handle installing 5-6 plug rails along with the corresponding 10-12 welds within an 8 hour work shift. The production target at each defect location would be 45 minutes to install the plug rail, install 2 flash-butt welds and properly set PRLT, understanding that this will be done as part of a contiguous process.



HIGH DENSITY RFD GANG BENEFITS

- Consist allows a contiguous process through the territory that has a higher density of defects
- Plug rail loaded from your yard in 20' lengths; eliminating advanced distribution of the plug rails - can be utilized for an insulated joint or transition rail program
- Hauls approximately 1 weeks worth of rail; if property allows for cascading of removed parent rails
- Knuckle boom crane is operated from the ground eliminating the need for a dedicated operator
- Eliminates the need for section gang support
- Welds plug rails that are pre-installed; if track condition warrants
- Properly restores PRLT at these locations every time, as long as the emergency plug installed is less than 20'
- Designed to be cost competitive with thermite welding with average production of 3 plug rails and 6 welds installed per day
- Utilizes a 1.5 hr work block to install a plug rail & associated welds
- The only support required is an EIC for track protection