



CLOSURE CASE STUDY

IMPROVING EFFICIENCY THROUGH SOLUTION-BASED ENGINEERING





CHALLENGE

Create a closure weld system that would eliminate a need for a separate puller cart and power pack to make closure welds faster, safer and more efficient. Closure welds simply defined are welds where neither side of the rail is free. In the past, railroads have used independent pullers that utilized power packs and separate carts. These pullers were clumsy, inefficient and unreliable.

SOLUTION

In order to maximize the closure process, Holland developed the Puller Lite. The Puller Lite was designed to be carried on the welder itself eliminating separate carts and power packs. It's high capacity, extended working stroke, compact design, and custom control features have allowed railroads to install rail welds in applications that before were not possible. With the elimination of the need for a separate puller carrier and power source; closure welding has become more cost effective, more productive, and much easier.

Features and Benefits of the Puller Lite

- 160 Tons (145 metric tons) pulling force provides power for all applications
- 15 inch (38 cm) stroke length available for closing large rail gaps and pulling rail
- 4-Independently controlled hydraulic jacks designed to allow easy, precise rail alignment (crown/vertical/twist)
- Puller Lite can be operated independent of the welding machine; allowing it to remain in place while moving the welder to the next location
- Choice of manual or integrated operation with the welding machine enabling the operator to determine the best option

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