



THOMSON
ENGINEERING
DESIGN

Durable, Reliable and Safe

Construction, Maintenance & Renewal Machines

A new approach to rail renewal and
replacement projects

A transformative approach to global high output rail operations.

To meet the increasing demands for faster and more efficient rail operations, high output rail machines and processes have become indispensable. These technologies represent a transformative shift in the industry, optimising various aspects of rail infrastructure construction, maintenance, and operation.

High output rail machines offer numerous benefits in terms of efficiency, safety and cost savings, however, they also come with challenges related to their high upfront costs, workforce requirements, technological dependencies and the need for adaptation.

Unipart Rail and Thomson Engineering Design Ltd are working in partnership to deliver a universal solution to these challenges - providing a system which offers all of the benefits of high output train-based systems, at a fraction of the cost and with no restriction on the type of lines they can be used on.

Our solutions will deliver

- **Increased Efficiency:** Replacement, renewal and maintenance projects can be completed at a much faster rate than traditional methods, reducing overall project durations.
- **Enhanced Safety:** Automation and precision in our processes reduces the risks associated with manual labour, making rail projects safer for workers.
- **Cost Savings:** Projects will be completed in less time resulting in reduced labour and equipment costs, in addition to lower operational costs due to reduced downtime.
- **Improved reliability:** All machines are designed and manufactured to the highest standards with quality control mechanisms in place, resulting in improved reliability and safety.

The High Output Machine Range



Sleeper Layer



Rail Hander



Rail Clipper



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