



RAIL TRANSPOSING MACHINE RTM

“The only way to handle rail”

Leaders in the design & manufacturing of rail plant solutions built for the future



6,615 lb

SWL PER MACHINE

40%*

CHEAPER TRANSPORT
COSTS

709 ft in 6 min

INSTALLATION SPEED

70%*

LOWER MAINTENANCE
COSTS

* Compared to traditional methods.

Network Rail Full Acceptance | Certificate PA05/08123 | Valid from February 2026

The RTM is a remote-controlled tracked machine designed to lift, carry and transpose various profiles of rail. Built to excel in some of the most difficult environments like metros, tunnels and single-line, the RTM is a versatile and powerful machine that enables the operator to instantly start work when possession is granted, whilst working under live-OLE and alongside oncoming traffic.

- Enhanced operational efficiency through more intuitive operator controls, smoother hydraulic movement, greater safety and reliability.
- Built to withstand all environments, work under OLE, deliver on single track and perfect for Light Rail. Little to no isolation needed to access, work or egress on site.
- Compelling economics, significant demand with lower transport, maintenance and labour costs.
- Trusted internationally as a superior method for the handling of all profiles of rail.

CLIENT TESTIMONIALS

“The RTM is a refined improvement that will tangibly improve our output on track.”

Alex Canizo, Works Delivery, Network Rail

“The improvements made to the machine and how smoothly it operates were really impressive.”

John Sherred, Transport for London Area Manager, Quattro Plant

IN PARTNERSHIP WITH





The RTM is a diesel-powered, remote-controlled tracked machine designed to lift, carry and transpose various profiles of rail. Built in collaboration with GOS Tool & Engineering Ltd – the UK's leader in the conversion and upgrade of Road Rail Vehicles – the RTM is the most efficient and safest way to handle rail whatever the job.

SAFE, CONTROLLED HANDLING

Removes and installs rail in a safe, controlled manner. Fully remote-controlled via Scanreco RC400 from up to 984 ft (300m), keeping all personnel clear of the work zone. Emergency brakes fitted on all four corners as standard. Improved hydraulics to ensure smooth and intuitive use by the operator.

SINGLE TRACK & OLE CAPABILITY

Perfect for single track environments, crosses multiple tracks effortlessly including areas with conductor rails. Operates in confined spaces with limited clearance needed such as tunnels, bridges and stations, and under energised OLE with no isolations required for access, working or egress.

EXCEPTIONAL DRAG CAPACITY

A pair of RTMs can drag rail lengths in excess of 709 ft (200m+), handling loads up to 15.1 US tons (13.7 tonnes). When used in multiples, the RTMs can lift and transport even longer lengths of rail or S&C.

VERSATILE ATTACHMENTS

Multi-purpose attachments available including ballast plough, profile plough and ballast brush. Hydraulic and electric outlets for power tools and additional equipment, minimising the need for petrol engine tools on site.

WARRANTY & HANDS-ON TRAINING

1-year or 1,000-hour warranty as standard (whichever occurs first). Full OEM familiarisation and training included with every machine at no additional cost.

RAPID INSTALLATION

Over 709 ft (200m+) of rail installable in just six minutes with the potential for more rail to be lifted when combined with multiple pairs and rollers.

BESPOKE & IMPROVED RAIL HANDLING THIMBLE

Purpose-designed to lift rail by the rail head, incorporating a unique thimble system for efficient, controlled installation and removal. The drag attachment is frame-based – not connected to the hydraulic head – providing superior stability and performance during operations whilst minimising reliability issues with a key part of the machine.

IMPROVED RECOVERY ATTACHMENTS

An auxiliary recovery engine provides hydraulic power for safe, efficient recovery from site – included as standard on every single machine. Additional hooks/attachments for recovery as a last resort.

COMPELLING ECONOMICS

Up to 40% lower transport costs. 70% lower Maintenance CAPEX with a global after-sales service, no seven-year re-certification process (1530). Typical payback period of just 16 months for operators.

IN PARTNERSHIP WITH



SPECIFICATIONS & COMPARISON



AQRATE RAIL

WHY CHOOSE AN RTM OVER OTHER TRANSPOSING MACHINES?

- Bespoke rail thimble specifically designed for lifting and threading rail with smoother hydraulics and more intuitive operator controls.
- Enhanced drag capacity, stability and reliability.
- Improved safety features including remote control, recovery engine per machine, emergency brakes on all four corners and increased hooks/attachments for recovery.
- Improved hydraulic flow for reliability in all environments.
- Built to an OEM standard and rigorously tested, with a reputable global after-sales and distributor network.

Aqurate RTM vs Other Methodologies

	RTM	ROAD RAIL VEHICLE	PUSH TROLLEY
Able to work under live OLE	Yes	No	Yes
Able to work alongside oncoming traffic	Yes	No	No
Ability to egress	Yes	No	No
Immediate readiness to work	Yes	No	No
Transportable by road with no additional requirements	Yes	No	Yes
No additional site supervision	Yes	No	No
Safe from run-away	Yes	Yes	No

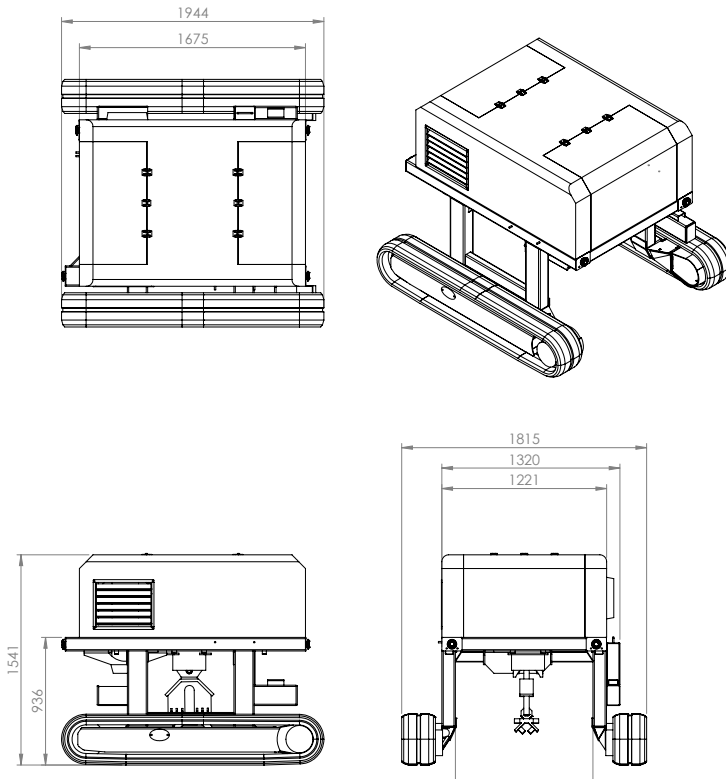
PARAMETER	VALUE
Engine	Kubota V1505-E4B, 18 kW
Remote Control	Scanreco RC400 – up to 984 ft (300m)
Max SWL (Lift Ram)	6,615 lb (3,000 kg)
Mechanical Hoist SWL	1,323 lb (600 kg)
Length	82.7 in (2,100 mm)
Width	72.4 in (1,840 mm)
Height	62.5 in (1,588 mm)
Tare Weight	3,197 lb (1,450 kg)
Max Ground Pressure	6.1 PSI / 42 kPa (fully laden)
Max Line Pressure	2,901 PSI / 200 bar
Max Operating Pressure	2,466 PSI / 170 bar
Hydraulic Flow	10.6 US gal/min / 40 L/min
Diesel Tank	10.6 US gal / 40 L (estimated)
Hydraulic Tank	13.2 US gal / 50 L (estimated)
Noise at 3.3 ft (1m)	79.3 dB(A) / 97.7 dB(C)
Track System	Rubber tracked – walking pace
Access / Egress	Foam ramps (included as standard)
Warranty	1 year or 1,000 hours (whichever first)
Training	Full OEM familiarisation included as standard

UK CA & EU CE marked | Network Rail Full Acceptance PA05/08123

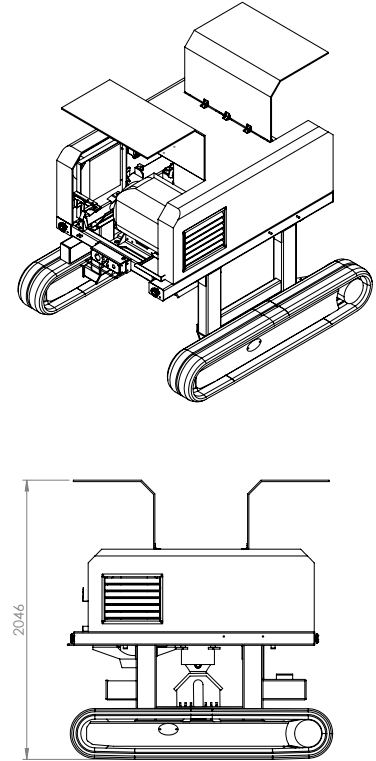
READY TO TRANSFORM YOUR RAIL OPERATIONS?

- Fully remote-controlled – single person control, operator safety
- No OLE isolations required for access, working or egress
- Maintenance CAPEX over 70% lower than RRV or traditional methods
- One-year / 1,000-hour warranty | Full OEM familiarisation and training as standard
- Typical payback period of just 16 months
- 6,615 lb SWL | 709 ft of rail installable in 6 minutes
- Proven and trusted internationally – perfect for metros, tunnels and remote single line

CLOSED HATCH



OPEN HATCH



GET IN TOUCH



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aqurateail.com

The RTM is also available for sale or lease internationally through our trusted distributor and after-sales network.



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