



RRV Valmet 830.3 Forwarder / Chipper

QTS operate a large and varied plant fleet incorporating several Road Rail Vehicles with the ability to on-track, travel and operate under OHLE. We have arguably got one of the largest vegetation management fleets in operation on the UK Rail Infrastructure.

One of the showpieces of the QTS plant fleet is the conversion of a Valmet 830.3 Forwarder. This has been uniquely modified by adding a low-rail guidance system, allowing use on track and providing a solution to the ban on machines with tyres on the track-bed but without inhibiting its off road capabilities. A Woodsman Drum Wood Chipper has also been added to form a unique multi-use vegetation management machine which can access land-locked areas via rail. Future conversions planned to the Forwarder include other 'prime mover' applications such as dumper, pipe carrier and vector / jetter.

The use of the Valmet 830.3 Forwarder / Chipper provides unrivalled cost benefits to railway vegetation management projects. The machine can be used to process felled arising's from vegetation management works. Chainsaw operatives fell trees on the lineside in advance of the machine, the forwarder will then lift and process the materials from either side of the

track using the 10m reach crane. The Forwarder will also perform very effectively when partnered with mechanised tree felling equipment and alongside high capacity road rail chip removal plant. The chipper can process timber up to a 22" in diameter. Without the QTS Rail Valmet 830.3 this operation would require two road rail machines, operators, MC / CC with four trailers to carry out the same operation.

The Valmet 830.3 Forwarder / Chipper is ideal for use in the processing of felled arising's in the following circumstances:

- > Site Clearance
- > Signal Sight Line Clearances
- > Autumn Leaf-Fall control sites
- > OHLE clearances
- > Level Crossing Sight line clearances
- > Maintenance of the 6m line-side wayleave.

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The use of the Valmet 830.3 Forwarder / Chipper offers many benefits to railway vegetation management works:

Health & Safety

Substantial reduction in labour on site during possessions with the forwarder negating the requirements for labourers manually feeding chippers

- Removal of manual handling with the crane carrying out all lifting
- Operator safety, operators are able to work in a lighted, heated comfortable cab, with room for MC/CC
- On-Tracking, the forwarder has exceptional off road capabilities and is fitted with low ground pressure, floatation tyres

Environmental

- Reduction of number of machines used on site
- Recycling of arising's into biomass industry
- Low impact on surfaces due to low ground pressure operations

Commercial

- Increased productivity on site
- Haulage savings as only mobilising one machine as opposed to two
- Reduced man-power on site
- Less time to on-track, therefore increased productive work time during possessions.
- Machine can be off-tracked into 'land-locked' areas via rail

Full details of the Valmet 830.3 Forwarder / Chipper and the QTS plant fleet can be found on our website www.qtsgroup.com

