

VIGILIS 400_{MT-US}

TRACK MEASUREMENT AND ULTRASONIC INSPECTION TROLLEY

*Secure your tracks
with preventive control*



Fast and automatic measurement of track geometry

Accurate identification of rail defects with ultrasonic system

Spacious cabin for transporting 5 people

Transport of useful auxiliary equipment with trailer



Your benefits

- Lightweight and compact trolley designed to carry track measuring equipment for maintenance
- Detect and mark metallurgical defects with full ultrasonic testing capabilities up to 20 km/h (12 mph)
- Master track geometry evolution with a complete module RailScan™ Lite up to 50 km/h (31 mph)
- Comfortable transport for 5 persons
- Additional storage space through a trailer for bringing light equipment (in option)



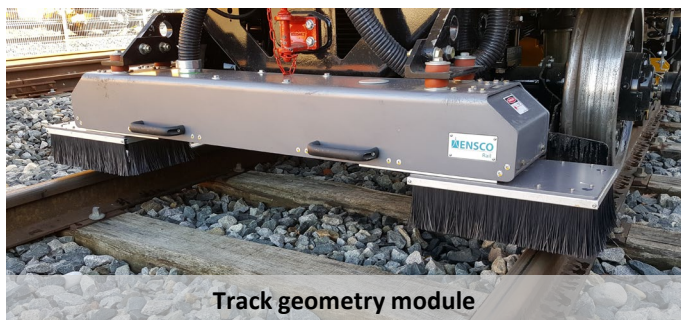
Railscan™ module features

Measured parameters	<ul style="list-style-type: none"> • Gauge • Cross level • Twist/Warp • Curvature • Longitudinal profile • Horizontal alignment

GPS precision	Coordinates every 10 in. (250 mm)
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Sample rate	10 in. (250 mm)
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Technology	Non-contact laser-based inspection
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Track geometry module

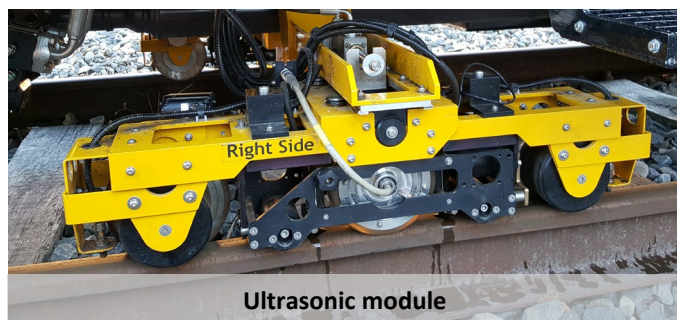
Specifications

Diesel motorization	85 hp (63 kW)
Track gauge	From 39 to 66 in. (1,000 to 1,676 mm)
Rail propulsion	Hydrostatic transmission
Maximum rail gradient	6 %
Minimum curvature radius	131 ft (40 m)
Maximum cant	6 in. (160 mm)
Maximum travelling speed (with trailer)	31 mph (50 km/h) (other on request)
Max. allowed load in flatbed or in towing	Up to 4,409 lbs (2,000 kg)



Ultrasonic module features

Size of rail head	2 to 3 in. (50 to 80 mm)
Sample rate	0.8 at 6 mph (2 mm at 10 km/h)
Nominal probes	4
Paint	4 automatic dispensers



Ultrasonic module