

HIGH CAPACITY | PRECISION | RELIABILITY

Plasser Scandinavia



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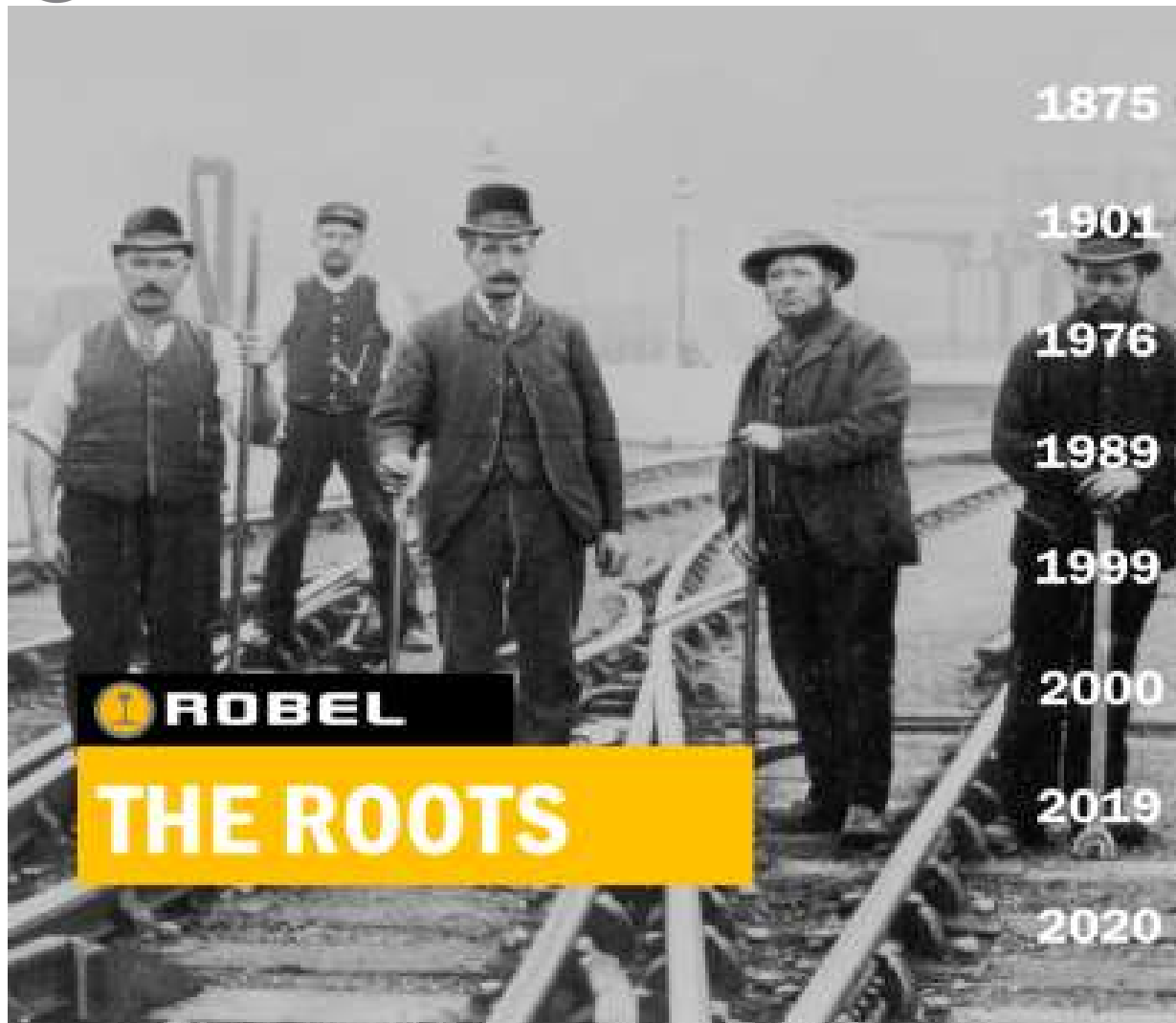
Robel Presentation M&T

AG 60 | Borlänge | 2024-11-05







**1875****Foundation**

of Fellenfabrik Georg Robel in Munich

1901**Gleisbaumaschinenfabrik**

Georg Robel & Co., Munich: K. Langkammerer produces hand-operated track construction machines

1976**Deutsche Plasser Freilassing**

Georg Robel & Co. is incorporated into the Deutsche Plasser Group

1989**Relocation of Production**

ROBEL machines are produced in Freilassing

1999**New Location**

Move of ROBEL administration and sales from Munich to Freilassing

2000**ROBEL Bahnbaumaschinen**

Change of name from Deutsche Plasser to ROBEL Bahnbaumaschinen GmbH

2019**ROBEL Holding GmbH**

ROBEL France, ROBEL North America, Vogel & Plötscher become part of the ROBEL Group

2020**Group expansion**

ROBEL China opens sales & service office in Shanghai

MACHINERY & TOOLS



SYSTEMS & VEHICLES



SERVICE & SUPPORT



BUSINESS UNIT

MACHINERY & TOOLS



THE RIGHT PRODUCT FOR EVERY APPLICATION



Drilling



Cutting



Grinding



Stressing/Pulling/Bending



Wrenching/Clipping



Lifting/Loading/Transporting



Tamping



Power/Lighting



Securing/Measuring



Equipment/Tools



Consumables/Spare Parts



Rent a ROBEL

ROBEL E³

Powerful battery technology meets reliable mechanics.
Clean, quiet and powerful working.

ECONOMIC

- Profitability
- Productivity
- Reliability
- Low Maintenance

ECOLOGIC

- Innovation
- Sustainability
- Energy Efficiency
- Carbon Neutrality

ERGONOMIC

- User-Friendliness
- Safety
- Emission Reduction
- HAV-Reduction

Our contribution
to climate
protection and
health and safety

ROBATTERY 71.01 (400 Wh)



ROBATTERY 71.01 (800 Wh)



43 V



RODRILL 10.20 E³
Battery Powered Rail Drilling Machine



ROSCORE 11.20 E³
Battery Powered Sleeper Drilling Machine



ROSAW 12.20M50 E³
Battery Powered Rail Band Saw



ROIMPACT 30.20 E³
Battery Powered Impact Wrench



ROSPIKE 33.25 E³
Battery Powered Spike Driver



ROTAMP 62.200 E³
Battery Powered Vertical Tamper



ROPOWER 76.20 E³
High Pressure Power Pack



ROBATTERY 71.02 (2300 Wh)



ADAPTER 71.02 (from 50 V to 43 V)



50 V



ROGRIND 13.45M50 E³
Welding Joint Grinding Machine



ROGRIND 13.49 E³
Hybrid Rail Head Profile Grinding Machine



ROOUT 13.90 E³
Electrical Rail Cutter



ROGRIND 13.63
Modular Rail and Switch Grinding Machine



ROWRENCH 30.75 E³
Electric Precision Power Wrench



ROWRENCH 30.82HKS E³
Battery Powered Universal Wrenching Machine



ROCLIP 34.01 E³
Battery Powered Clipping Machine



ROCLIP 34.02
Modular Clipping Machine



ROCONVERT 72.01 E³
Battery Conversion Kit

ROGRIND 13.45MD E³ Welding Joint Grinding Machine

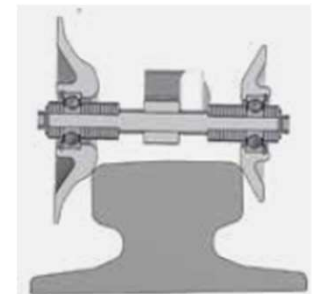
**PRECISE GRINDING
COMPLETE
REPROFILING.**



ROGRIND 13.45MD - 5159900079
ROBATTERY 71.02 - 7839900001

For grinding welding joints and for reprofiling the complete rail head.
Can also be used in switches and for grinding grooved rails and crane rails.

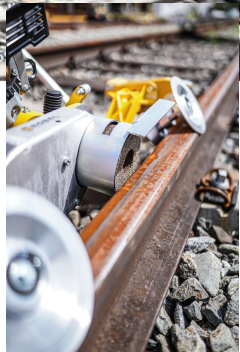
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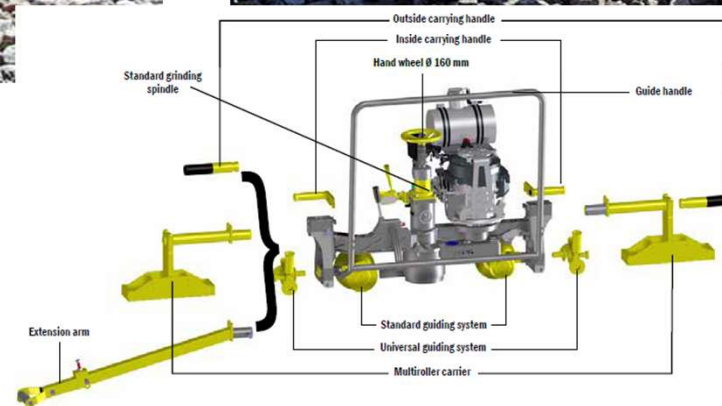
13.45MD E ³	Welding Joint Grinding Machine
	Grinding time per charge in minutes

BATTERY PERFORMANCE CLASS			CO ₂ -SAVING (Compared with a conventional combustion engine)
400 Wh	800 Wh	2300 Wh	
×	×	✓	3.93 kg/OpHr
-	-	60	

**ACCURATE AND
PRECISE GRINDING
OF WELD JOINTS.**



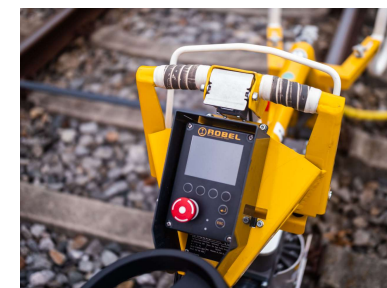
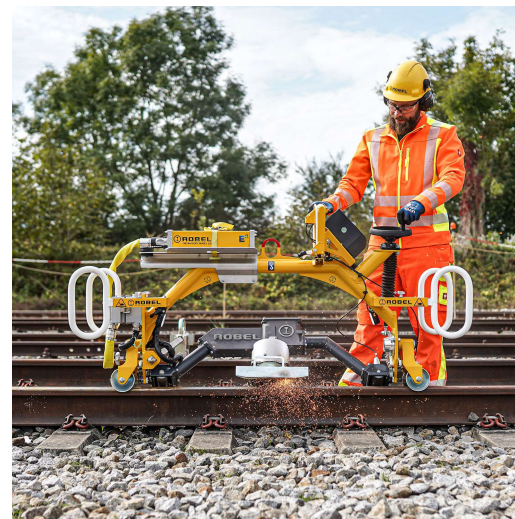
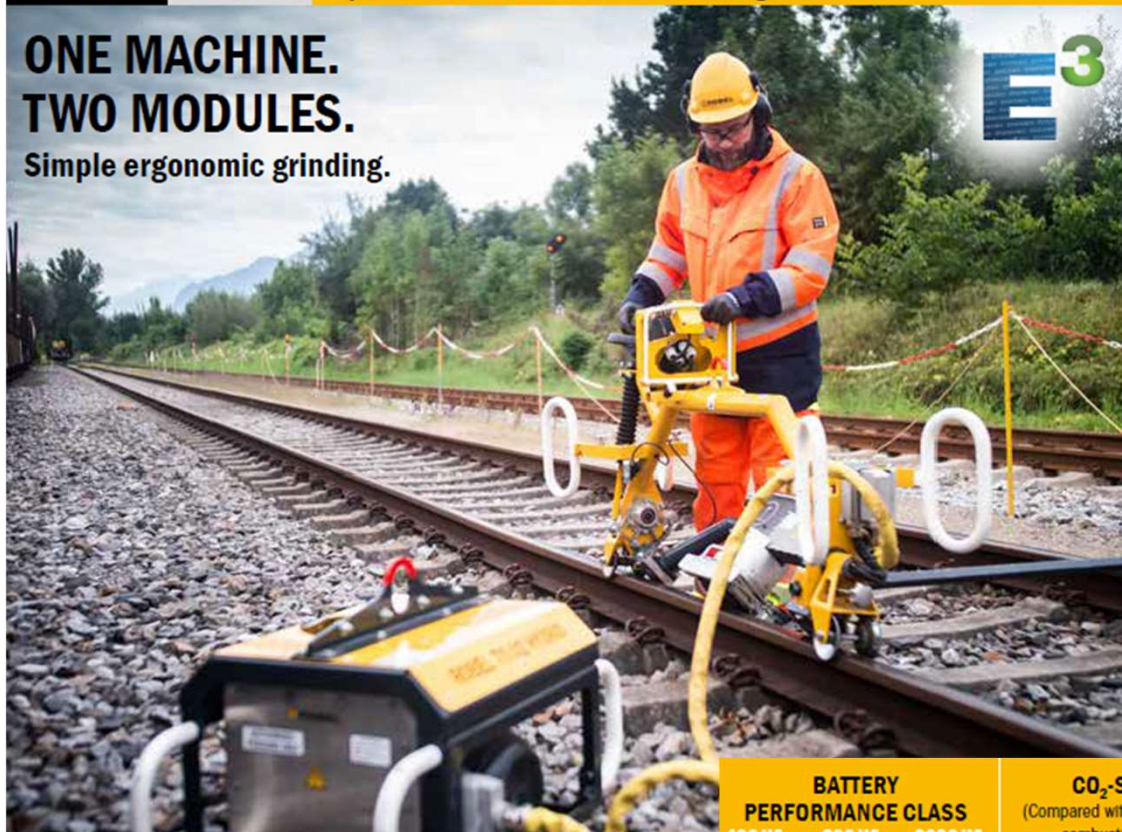
**LIGHT. COMPACT.
POWERFUL.**



ROGRIND 13.49 E³ Hybrid Rail Head Profile Grinding Machine

**ONE MACHINE.
TWO MODULES.**
Simple ergonomic grinding.

E³



BATTERY PERFORMANCE CLASS			CO ₂ -SAVING (Compared with a conventional combustion engine)
400 Wh	800 Wh	2300 Wh	
✗	✗	✓	4.5 kg/OpHr
-	-	60	

13.49 E³ Hybrid Rail Head Profile Grinding Machine
Grinding time per charge in minutes



ROGRIND 13.49 - 8499900005
Outrigger - 8490000002



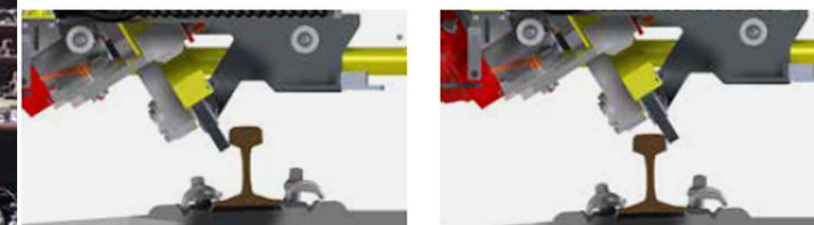
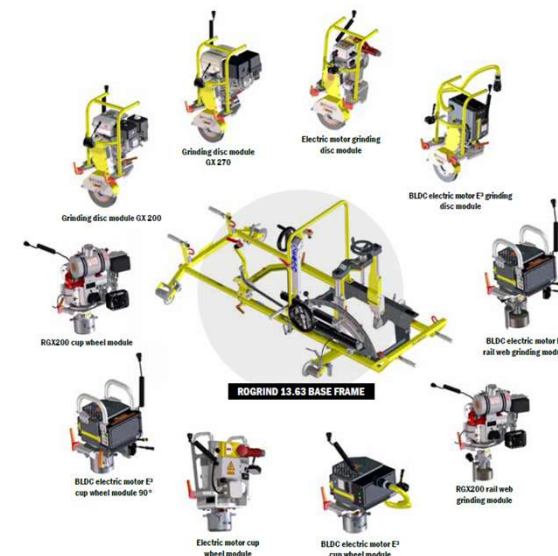
Battery 2300 Wh - 7839900001



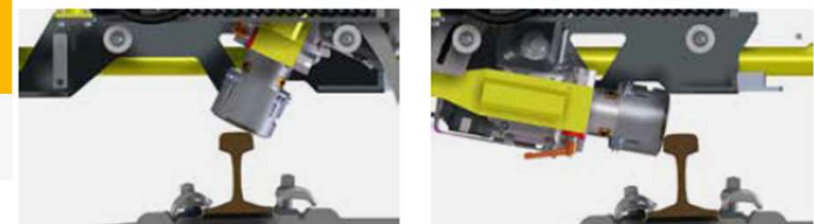
400 Volt power supply - 5635900003



ROPOWER 70.02 - 5029900002

ROGRIND 13.63 Modular Rail and Switch Grinding Machine


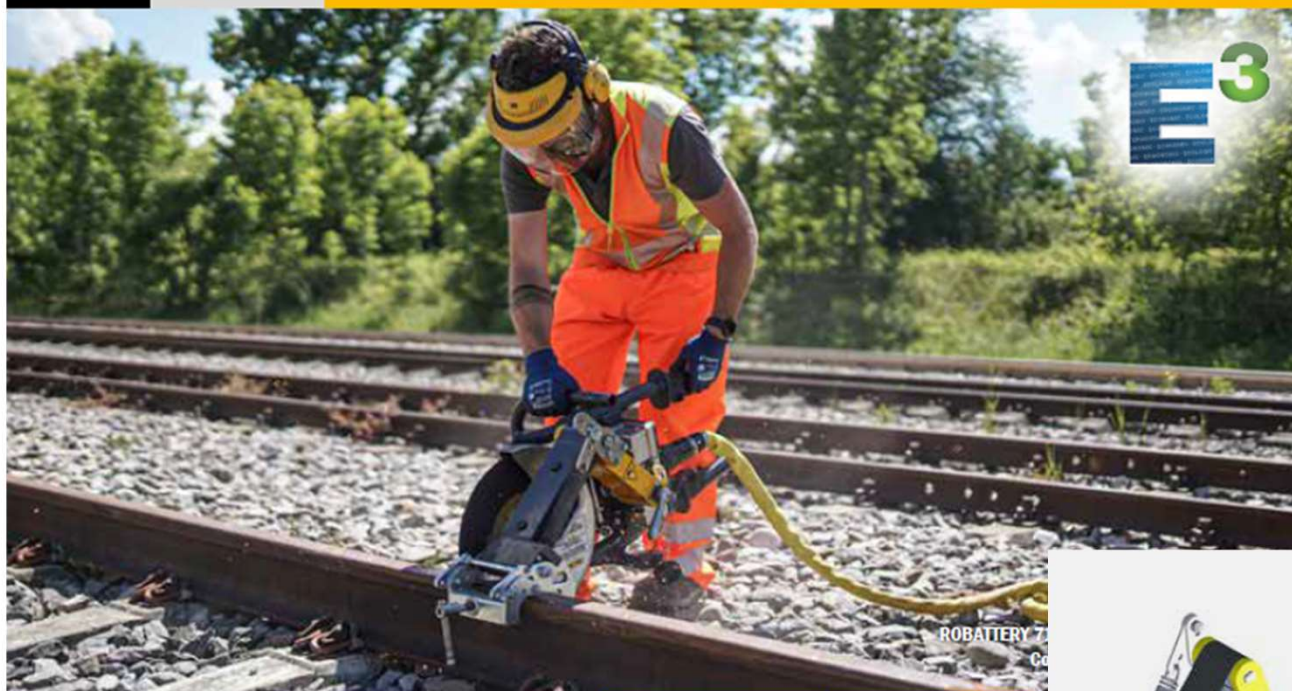
Maximum swivelling range: 32° in both directions with grinding disc module



Maximum swivelling range 32° external and 80° internal

		BATTERY PERFORMANCE CLASS			CO ₂ -SAVING (Compared with a conventional combustion engine)
		400 Wh	800 Wh	2300 Wh	
13.63	Modular Rail and Switch Grinding Machine	×	×	✓	at least 3.26 kg/OpHr
	Grinding time per charge in minutes	-	-	60	

ROCUT 13.90 E³ Electrical Rail Cutter

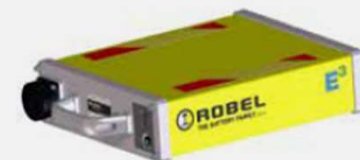


		BATTERY PERFORMANCE CLASS			CO ₂ -SAVING (Compared with a conventional combustion engine)
		400 Wh	800 Wh	2300 Wh	
13.90 E ³	Electrical Rail Cutter	×	×	✓	4.21 kg/OpHr
	Number of cuts per charge	-	-	20	



ROCUT 13.90 - 5909900008

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Battery 2300 Wh - 7839900001



400 Volt power supply - 5039900003



Connecting cable - 5016060210

ROTAMP SERIES – VERTICAL TAMPER

The right tamper for every work site.



62.05CC

- More distance between cover and motor. No heat build-up anymore
- Lower centre of gravity for even more comfortable handling
- Higher handle for ergonomic use, protects the motor



62.05L

- Lower centre of gravity for even more comfortable handling
- In areas difficult to access



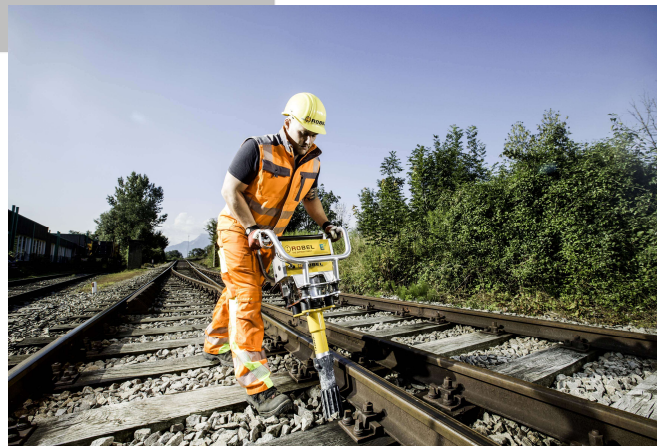
62.05L Slim

- Reduced tamping tool diameter for heavily soiled ballast bed
- Diameter tamping tool: $\varnothing$ 65 mm



62.20L E³

- Battery powered Tamper with all E³ advantages
- Excellent market feedback, top seller



ROMPACT 30.20 E³ Battery Powered Impact Wrench

**VARIABLE WRENCHING
WITH MINIMUM
HAND ARM VIBRATION.**

E³



ROMPACT 30.20 - 7809900006
ROBATTERY 71.01 400 Wh - 7826800002
Socket



ROMPACT 30.20 - 7809900006

ROCLIP 34.01 E³ Battery Powered Clipping Machine

**FAST AND PRECISE
CLIPPING.**



ROCLIP 34.01 Clipping Machine

**FAST AND PRECISE CLIPPING.
FC, FCX AND FE CLIPS.**



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ROWRENCH 30.76 E³ Electric Precision Power Wrench

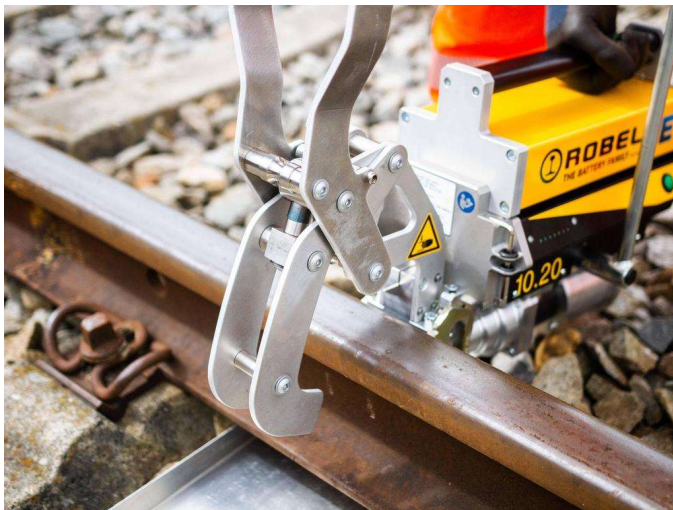
**PRECISION WRENCHING
OF THE LATEST GENERATION.**



ROWRENCH 30.82RKS Universal Power Wrench

**RELIABLE.
LOW MAINTENANCE.
POWERFUL**







Track measurement

Background

Typical rail applications

Manufacturing, building tracks & turnouts
Rail treatment (e.g. milling, grinding)
Track maintenance
Approval of reprofiling works
Turnout inspection
Rail crack detection & analyses
Checking track geometry
Welding works

Requirements

**Measurement,
data & report**

Solutions



Track & switch inspection

Product solutions (extract)

Analogue gauges

RCA | RCS | RA | RCFF
(Robel compact 83.07 | 83.37)



Digital

gauges

RCAD | RCAD-BT5
(83.50)



Software based systems

MessReg PTP II



Mobile trolleys

MessReg CDM



Track geometry

Product solutions (extract)

Sighting & levelling

VIG 1300 (Robel 82.07)



Platform clearance

PLAT (Robel 83.87)



Track clearance

SA 75



Track alignment

MessReg CTS



Rail condition

Product solutions (extract)

Rail head wear

SKM (Robel 85.01)



Transverse profile

PMS 3



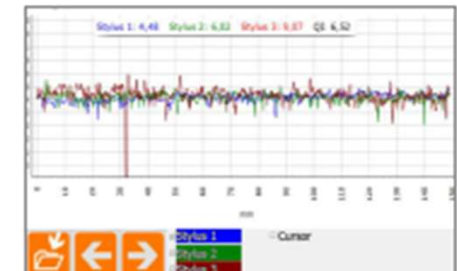
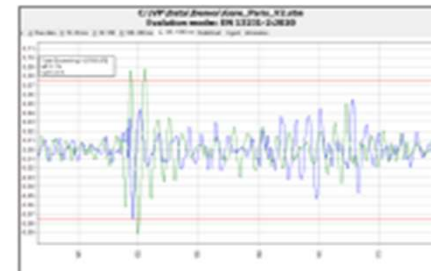
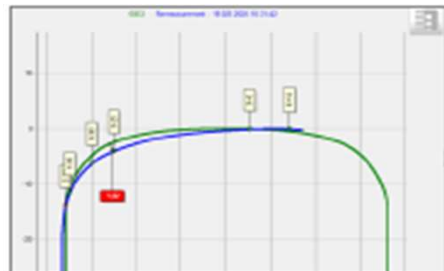
Longitudinal profile

RMF 1100



Rail surface quality

RM 150HR





 **ROBEL**

THANK YOU



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