



Linear Gear Flank Analyser Rack

Quality control based on double flank gear roll inspection


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perfection*

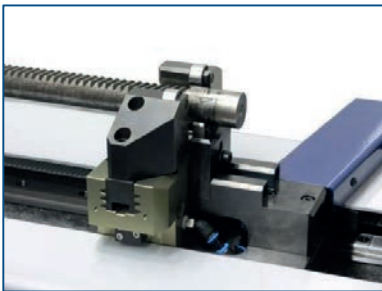
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RWL Rack

RWL inspection machines are suitable for quick and easy quality controls that are based on the double flank gear roll method.

Horizontal slide

The workpiece is clamped pneumatically. The carriage is driven by an electric motor. The feed force is limited by a sliding clutch.



Measurement tower

The measurement tower is equipped with all necessary measuring systems. A measuring probe determines the tower's vertical stroke and an angular measurement system determines the configured pinion position.



Technical Data

Technical Data		RWL rack
part	max. length	1000 mm
	max. external dia	40 mm
	min. external dia	21 (17) mm
measurement	slide	typical 200 mm
measurement sequence	automatic	●
clamping	grab, proceeding	●
calibration	setting master	●

● standard

○ optional

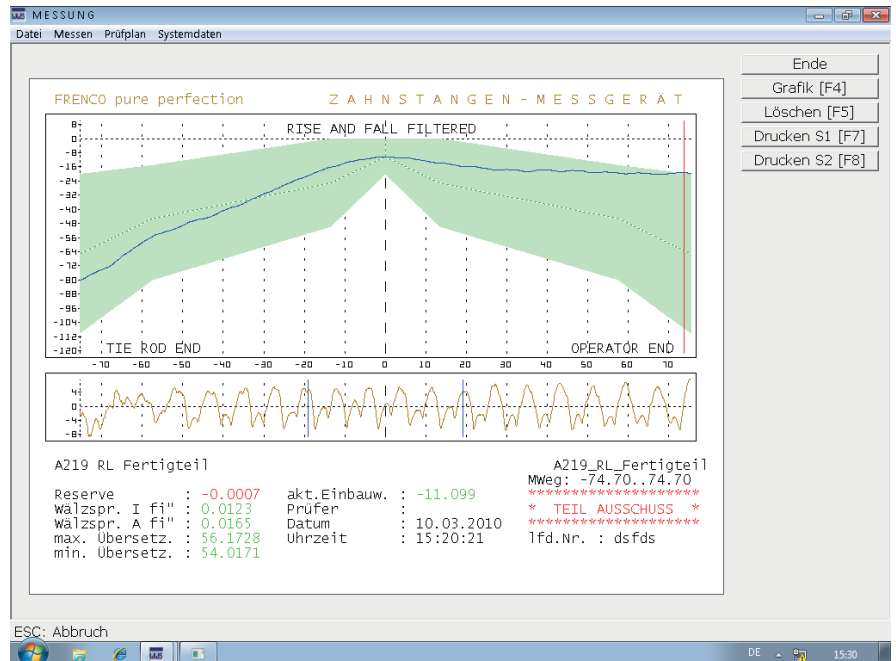
Software for RWL Rack

“Rise and Fall” View

Displays the pitch curve F_i'' , plus nominal graph and tolerance area (green).

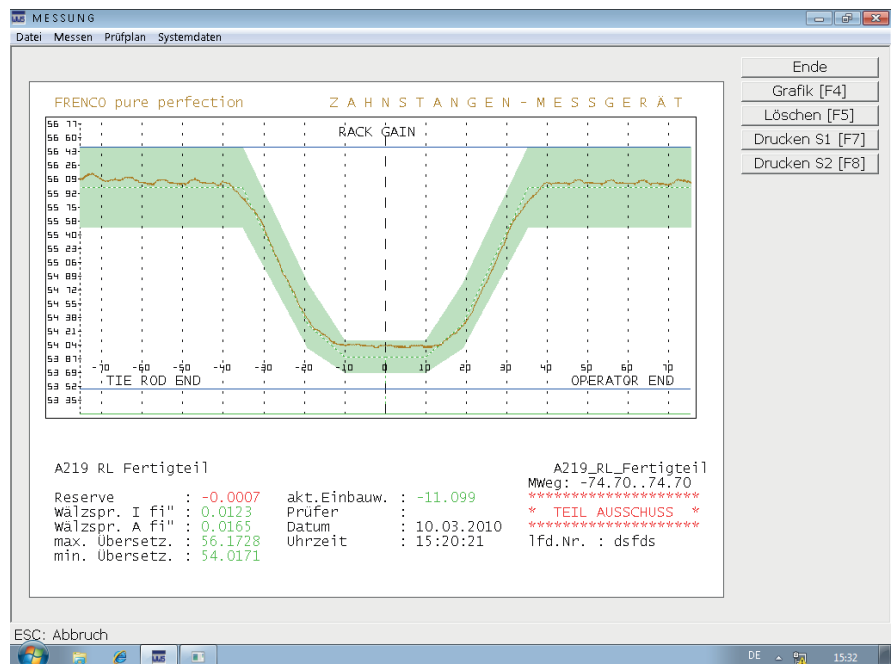
The short-wave components of the tooth-to-tooth radial composite deviation f_i'' are displayed separately.

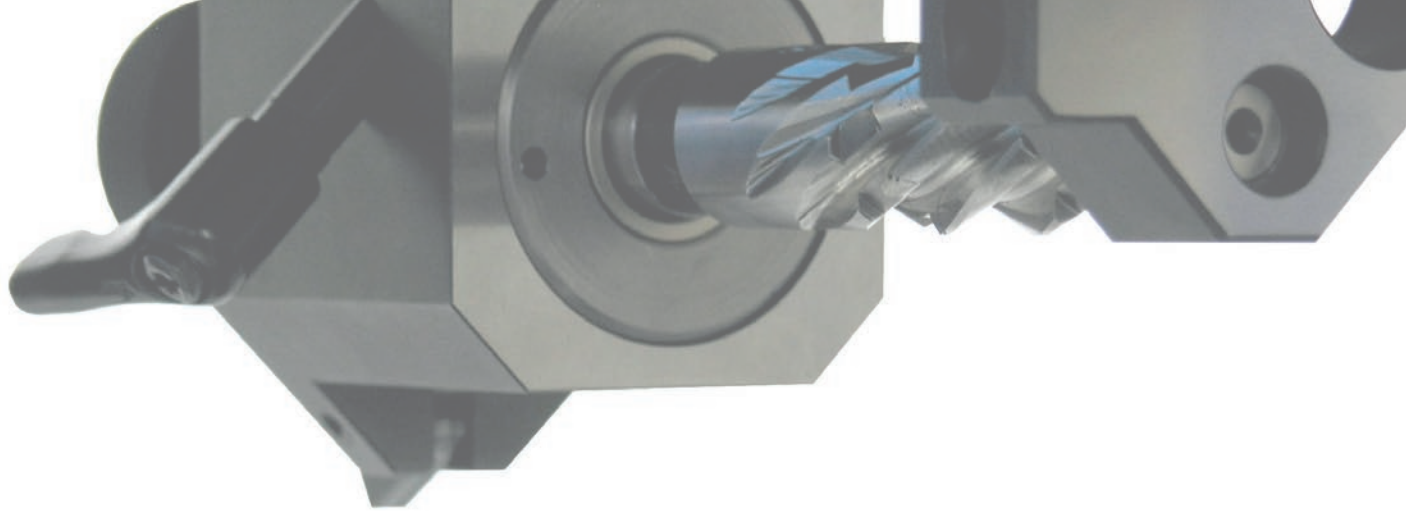
Displays the coloured measurement results. Green: PASS, red: FAIL



“Rack Gain” View

The rack gain is the calculated, covered track on the rack after one rotation of the master pinion gear. The minimum and maximum values are displayed as min. and max. transmission ratio.





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Phone: +49 (0) 9187 95 22 0

FRENCO GmbH

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Jakob-Baier-Str. 3 • D - 90518 Altdorf

www.frenco.com



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