

***LINSINGER* Rail Milling**

on Rail Transit Lines

Since several years the conventional Rail Grinding technology had been the standard rail profiling technology for most of all Railway Organisations and Rail Transit Lines world-wide.

As no other or better Rail Profiling Technology was available the Railway and Rail Transit customers had to accept the negative and risky points of this rail profiling technology.

Most of the negative points refer to high risk of fire during operation, environmental pollution and quality problems in the area of accuracy, surface quality and sustainability.

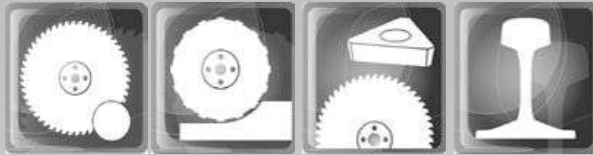
This means that the improper use of rotating grinding systems involves the appearance of a problem which normally should be removed - the corrugation phenomena.

This presentation will report the positive results of the most suitable technology for Rail Transit Lines

The Linsinger Rail Milling Technology

LINSINGER

Austria



LINSINGER provides:

SAWING TECHNOLOGY

RAIL TECHNOLOGY

MILLING TECHNOLOGY

SERVICE AND TOOLS

LINSINGER serves:

Tube Mills

Forging

Rail Processing

Automotive

Shipbuilding

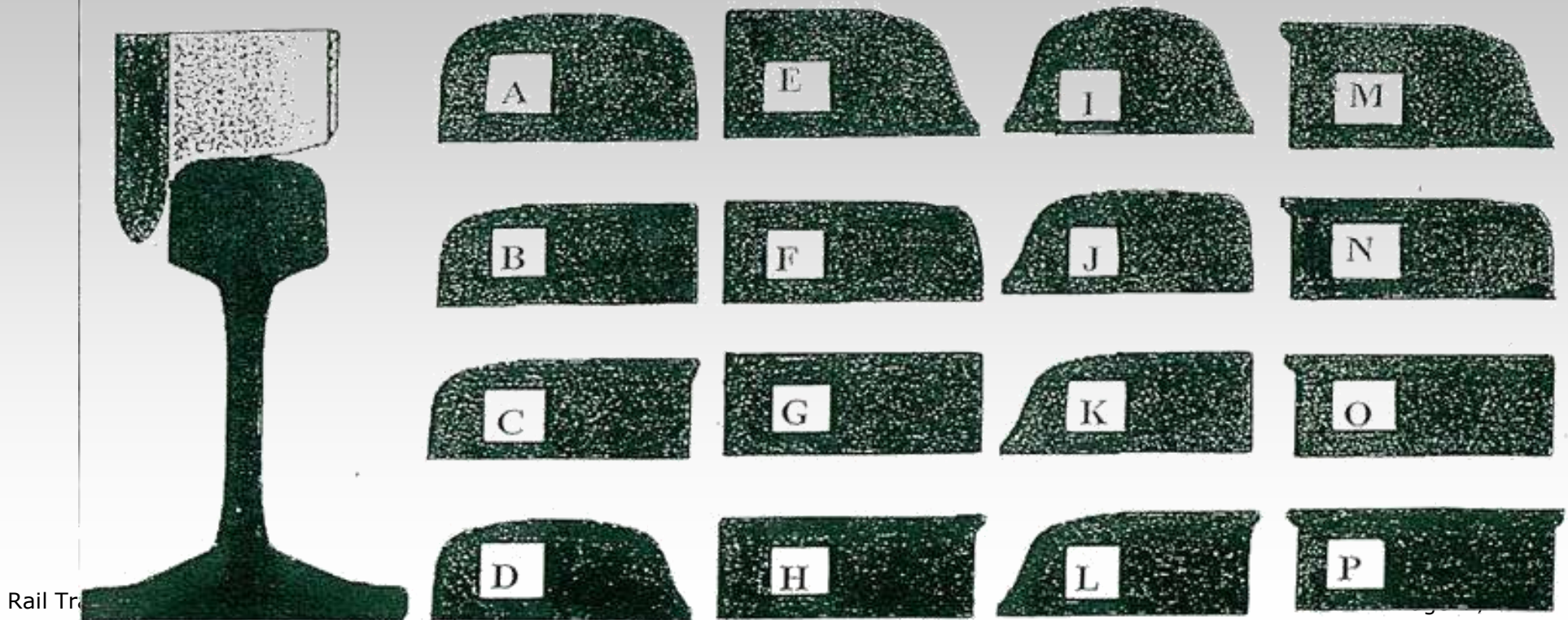
Non-Ferrous



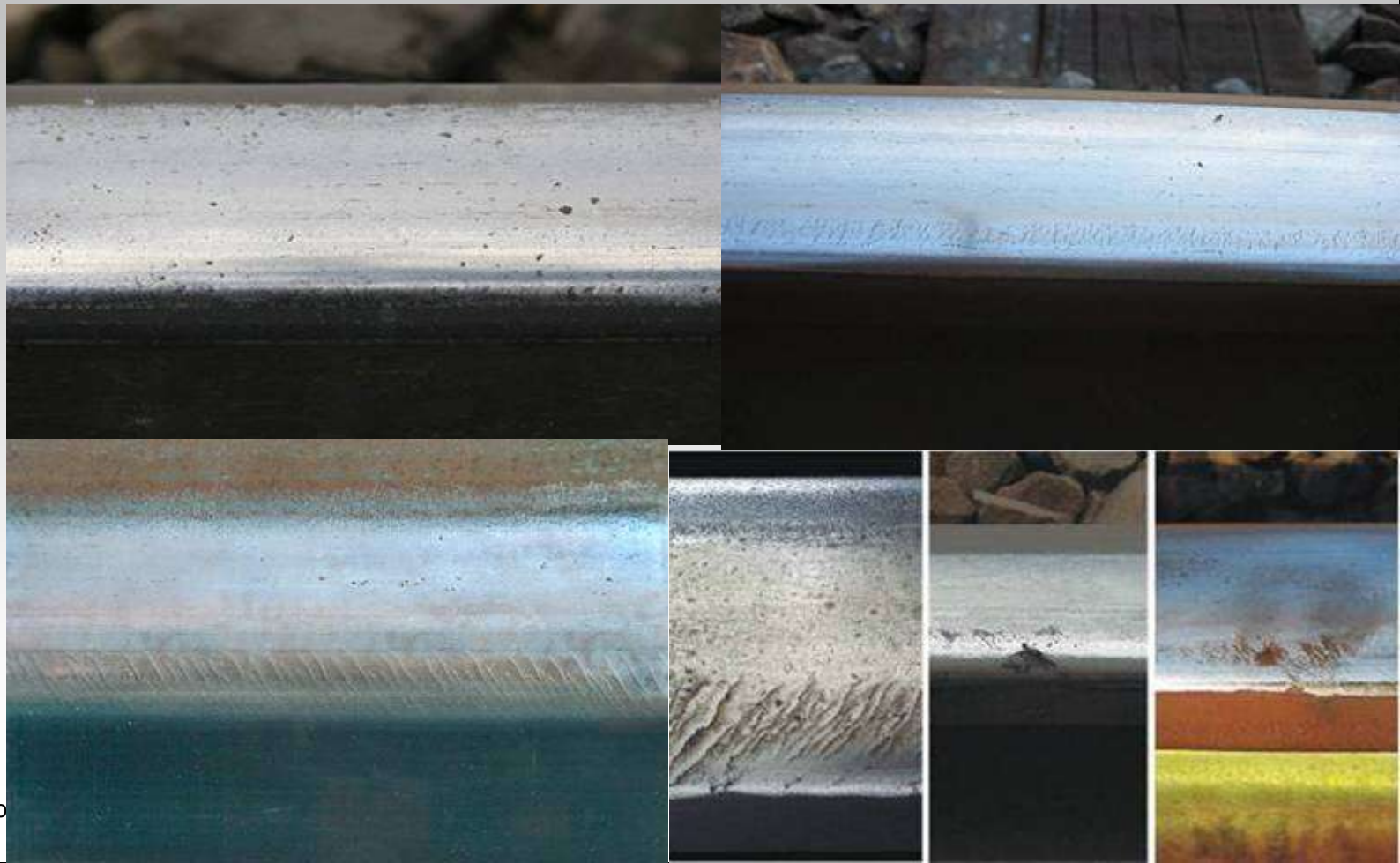
ADVANTAGES
OF THE
LINSINGER RAIL MILLING
TECHNOLOGY
ON TRANSIT LINES

BASIC – PROFILES RAIL – GRINDING

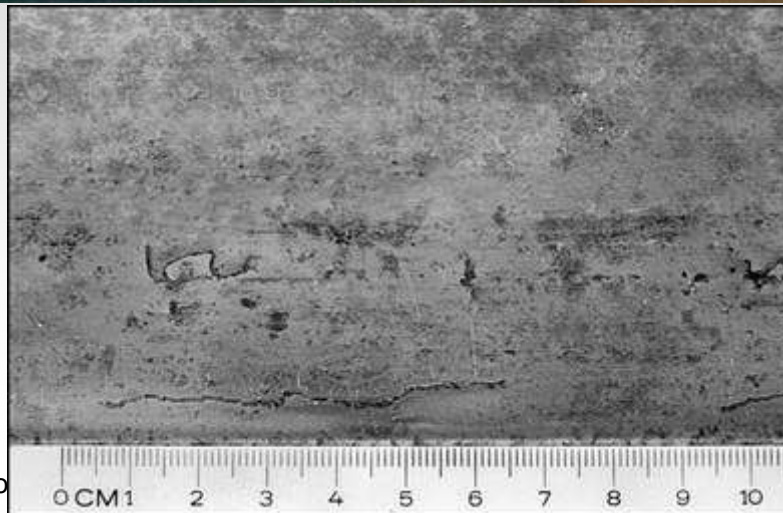
In the reality the following worn-profiles can be categorized:



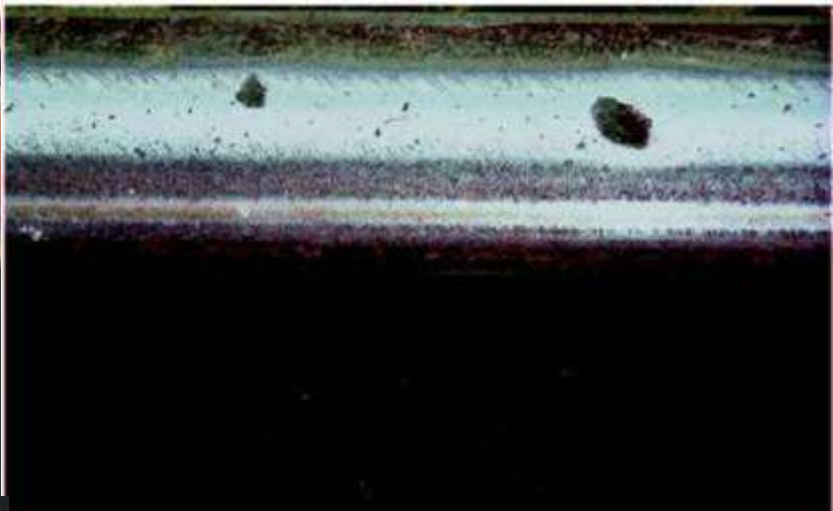
RAIL HEAD SURFACE DEFECTS



RAIL HEAD SURFACE DEFECTS



RAIL HEAD SURFACE DEFECTS

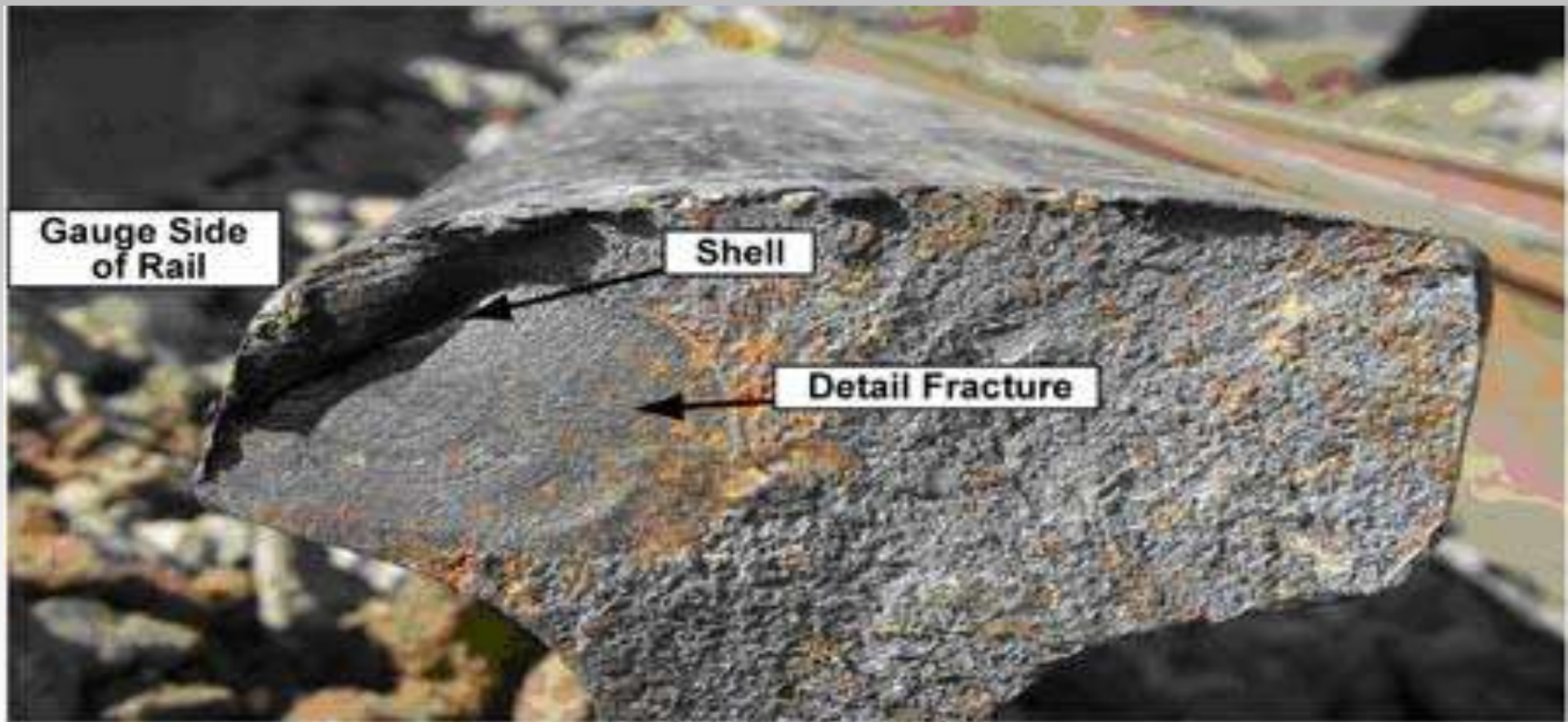


HEADCHECKS





HEADCHECKS











Typical Track Conditions after Grinding





NO RISK OF FIRE

NO BLUEING



NO DUST AND DIRT



CLEAN AND SAFE OPERATION WITH NO RISKS





RAIL MILLING VEHICLES

SF02T-FS



SF03-FFS



SF02-FS TRUCK

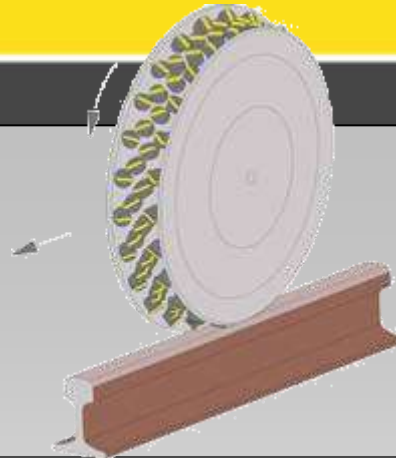


SF06-FFS PLUS

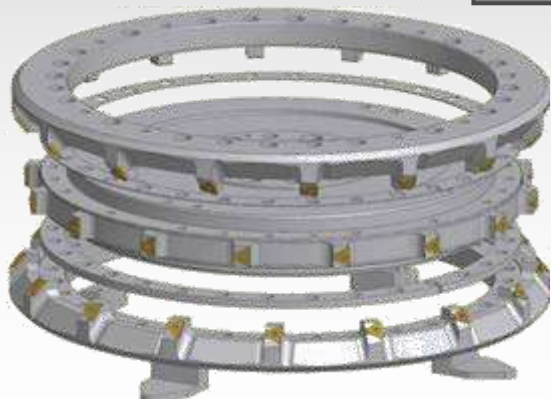




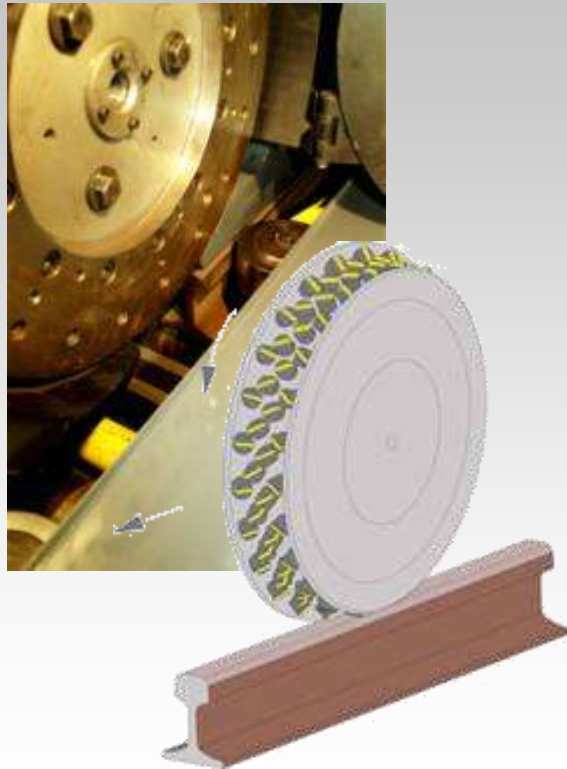
CUTTERHEAD



LINSINGER DEVELOPS AND
PRODUCES ITS OWN TOOLS FOR ALL
LINSINGER MILLING MACHINES AND
SUPPLIES THE CUTTING TOOLS TO THE
MACHINE OPERATORS.



Cutterhead



Grinding wheel



THE RAIL MILLING TECHNOLOGY CONSISTS OF TWO MAIN



MILLING UNIT



GRINDING UNIT



FOR APPLICATION IN ALL RAILWAY NETWORKS



FOR METRO AND TRANSIT LINE APPLICATION



FOR METRO AND TRANSIT LINE APPLICATION



FOR METRO AND TRANSIT LINE APPLICATION



FOR METRO AND TRANSIT LINE APPLICATION





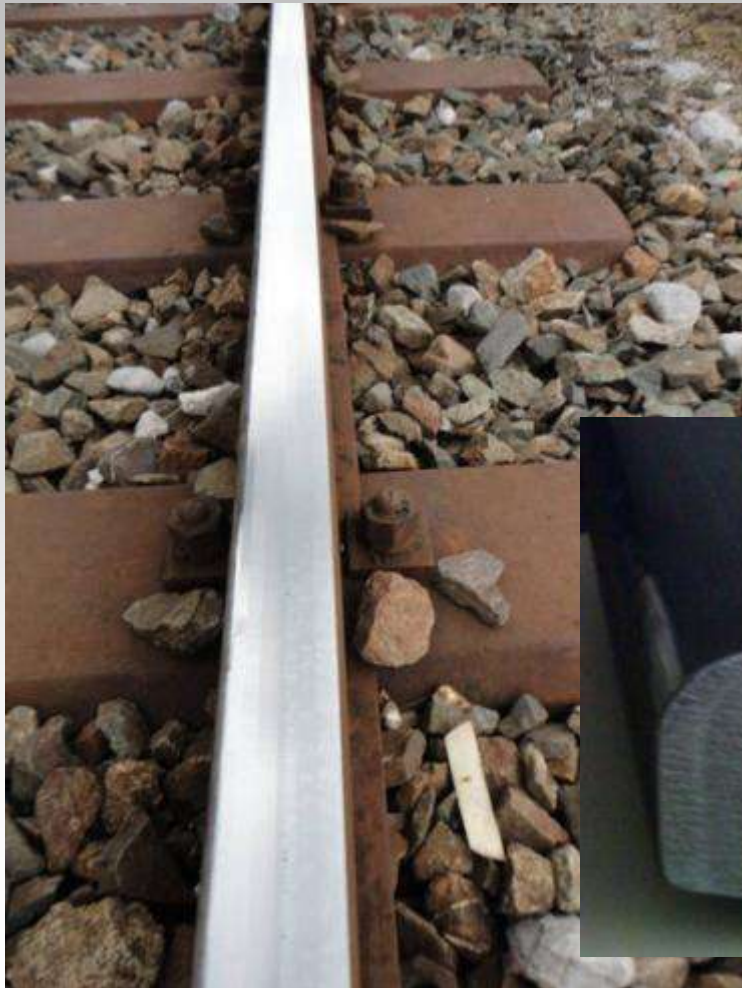
RAIL CONDITION AFTER 1 MILLING/GRINDING PASS



NO RESIDUES ON TRACK
By LINSINGER MILLING



Typical Track Conditions after Milling





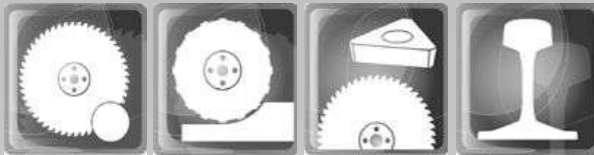
Rail Transit Seminar, Chicago



MAINTENANCE By LINSINGER MILLING







Located in the Centre of Europe

LINSINGER Austria

Dr. Linsinger Str. 24 - 4662 Steyrermühl

Tel.: +43 (0)7613/8840

Fax: +43 (0)7613/8840-951

E-Mail maschinenbau@linsinger.com

Company is located in the Centre of Europe in Austria between Salzburg and Linz in the beautiful Salzkammergut!

Visit us ! See how we built machines ! Inspect how we operate them !



LINSINGER RAIL MILLING

MARKTPLATZ 10

D-97922 LAUDA-KÖNIGSHOFEN

TEL: +49 9343 509 447 / FAX: 0049 9343 509 448

E-MAIL: RAIL-ILLING@LINSINGER.COM

DIPLOM-INGENIEUR PETER BARTMANN
Rail Transit Seminar, Chicago

INTERNATIONAL SALES MANAGER