

MITSUBISHI
▲ MITSUBISHI MATERIALS



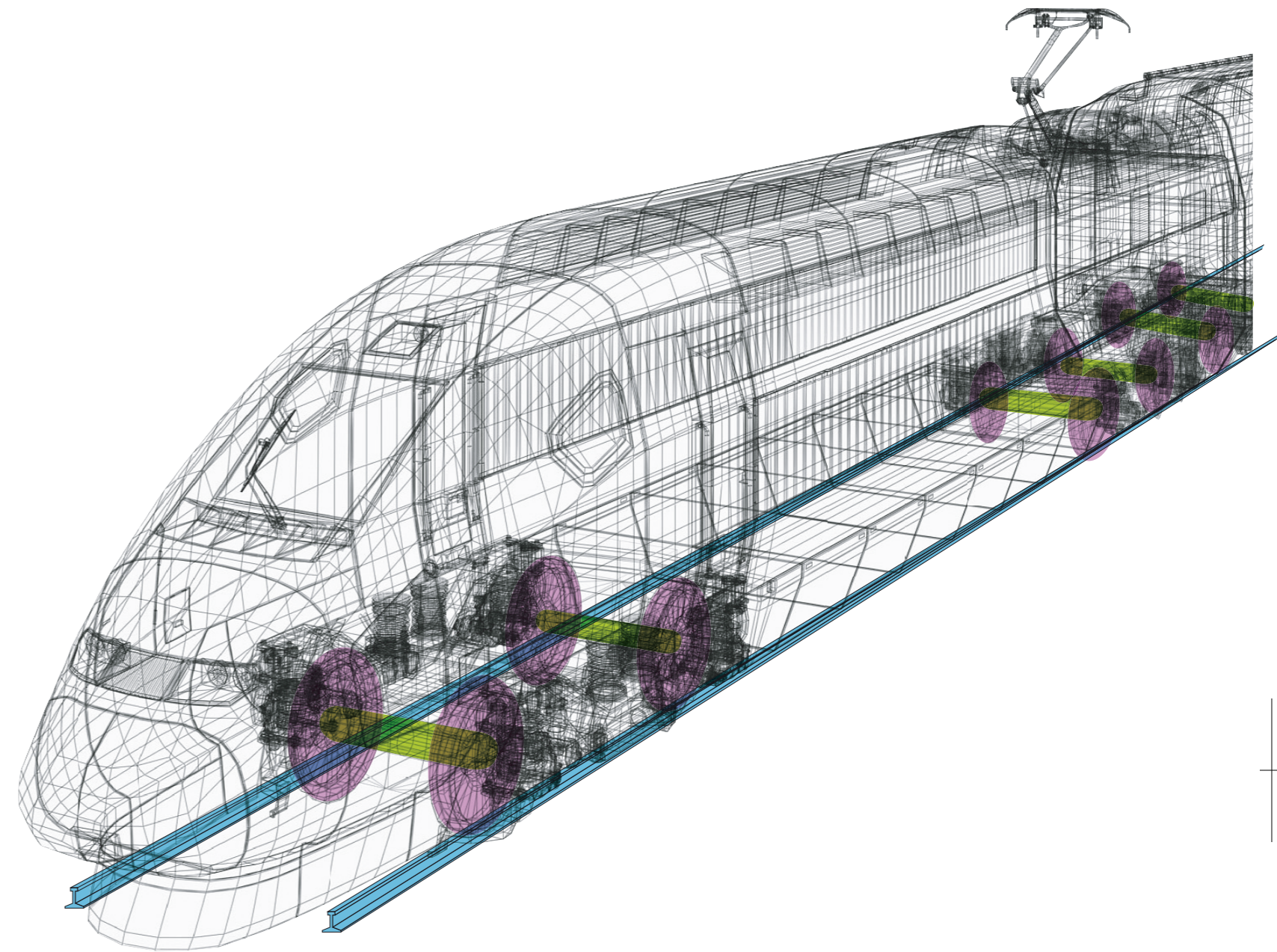
RAILWAY

▲ MITSUBISHI MATERIALS CORPORATION

INDEX RAILWAY



Mitsubishi Materials is constantly engaging ultra modern technologies in the research and development of cutting tools. Results of the research provide solutions for the ever increasing requirements of the railway industry.



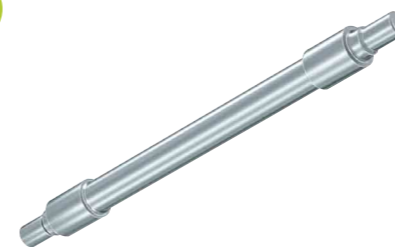
WHEEL

3



AXLE

5



RAIL

6



WHEEL

Work material [Carbon steel]

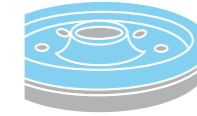
Internal turning

CVD coated, high fracture resistant substrates especially developed for machining forged steel combined with highly efficient chip breakers provide long tool life.



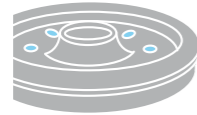
Face turning

CVD coated, high fracture resistant substrate, round inserts suitable for machining forged steel provide long tool life.



Drilling

Indexable drills combine excellent chip control and low cutting resistance to deliver highly efficient machining of railway components.



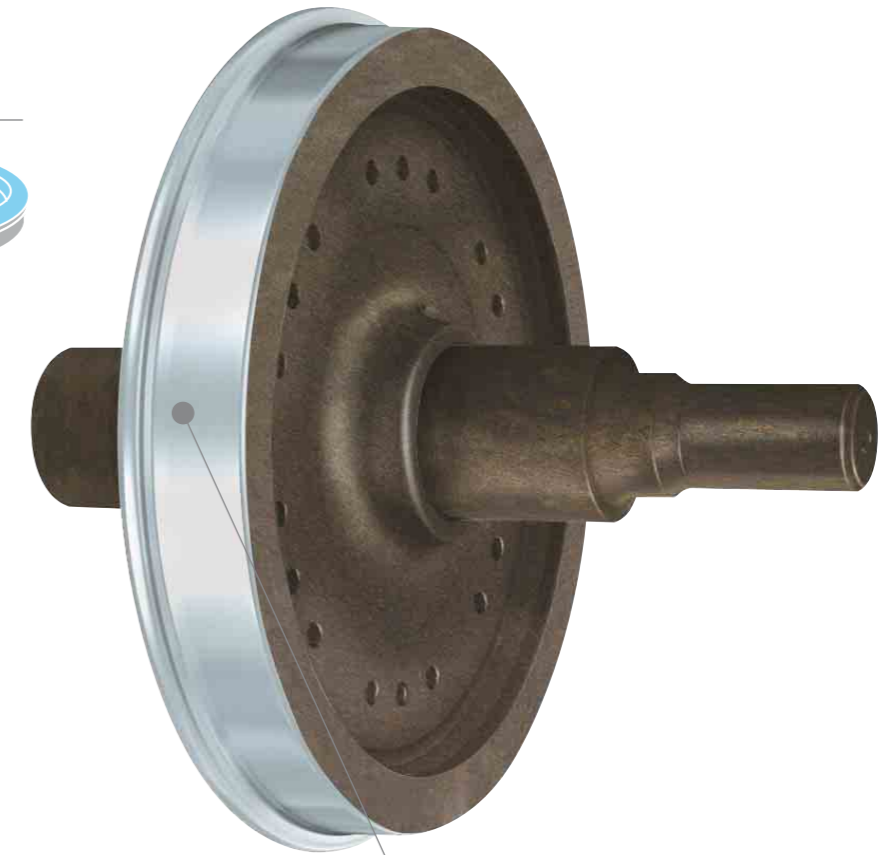
Wheel tread turning

CVD coated, high fracture resistant substrate, round inserts suitable for machining forged steel provide long tool life.



Wheel tread turning

Optimized insert geometry for wheel re-profiling provides increased production through stable chip control in applications with varying depth of cut. Increased resistance to built-up edge and wear is provided by CVD coating, increasing tool life.



RCMX Insert



TAF Drill



Chip breaker
for heavy cutting



LNUX Insert

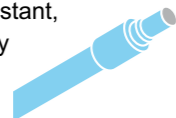
AXLE

Work material [Carbon steel]



External turning

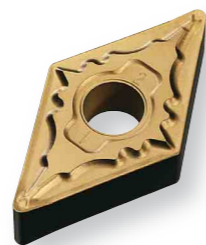
CVD coated, high fracture resistant, grades combine with the heavy duty series of chip breakers to deliver the tool life stability demanded when turning long axle shafts, often covered in abrasive scale.



**Double
Clamp
Holder**



**Chip breaker
for heavy cutting**



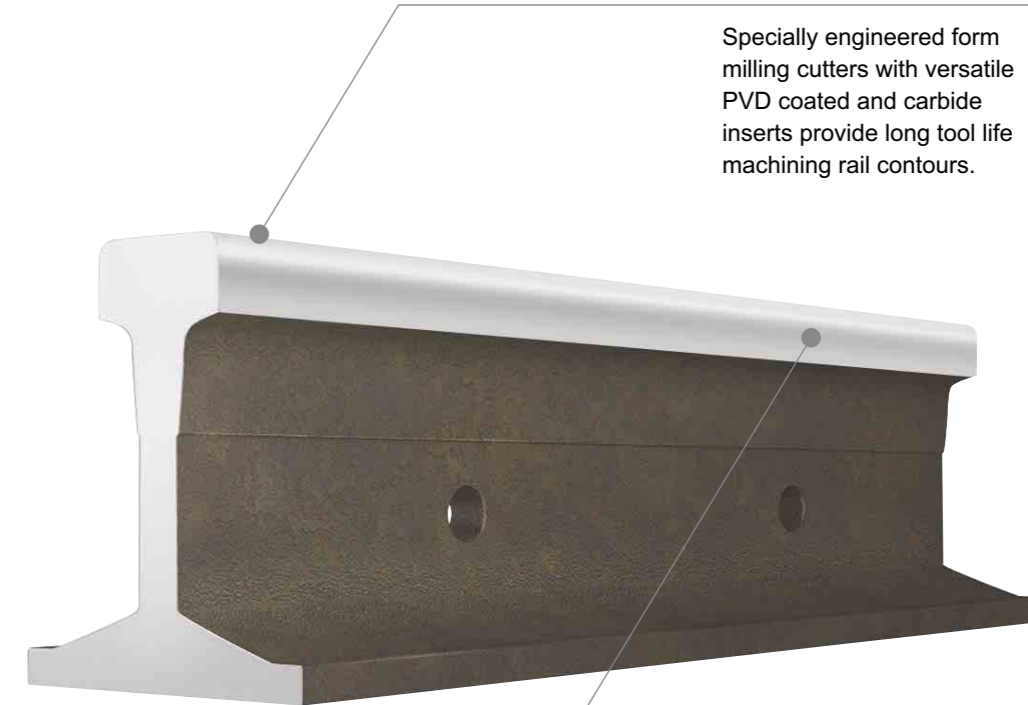
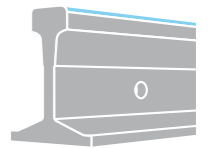
**UE6105
UE6110**

RAIL

Work material [High carbon steel]

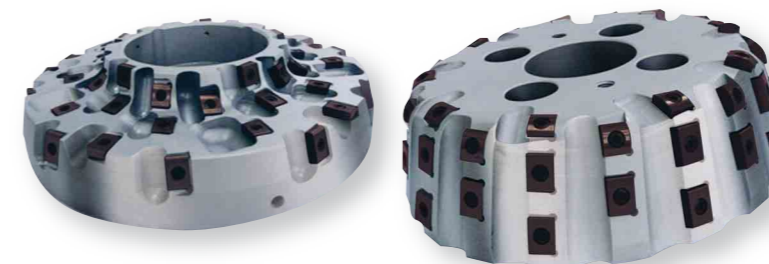
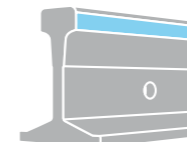
Rail contour milling

Specially engineered form milling cutters with versatile PVD coated and carbide inserts provide long tool life machining rail contours.



Rail side face milling

Specially engineered face mills use high precision inserts to efficiently and accurately machine rails for turnouts and crossings.



Rail Cutter



**VP15TF
TF15/UTi20T**