ALCA TOOLS LIMITED

ESTABLISHED 1974

Tel. +44 (0)1227 366051 Fax. +44 (0)1227 740033

Email sales@alcatools.co.uk Web www.alcatools.co.uk

Rail Profile RENOVATION

PRECISION AND SERVICE

There are several types of railroad re-profiling. Dynamic milling of rails is one of them. The objective of the rail re-profiling is to enable modern high speed trains to use their potential on such lines with regard to reliability and safety of transport. We supply our customers with disk mills, cartridges and indexable cutting inserts. We meet high requirements for precision of the milled profile and reliability of the milling process.

WE OFFER TOP TECHNICAL SOLUTIONS

OWN DEVELOPMENT, DESIGN AND PRODUCTION

RAILS

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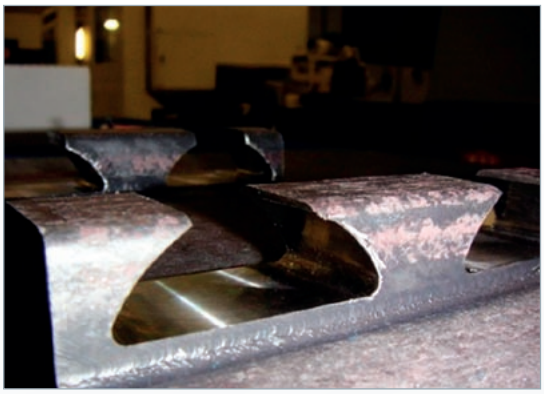
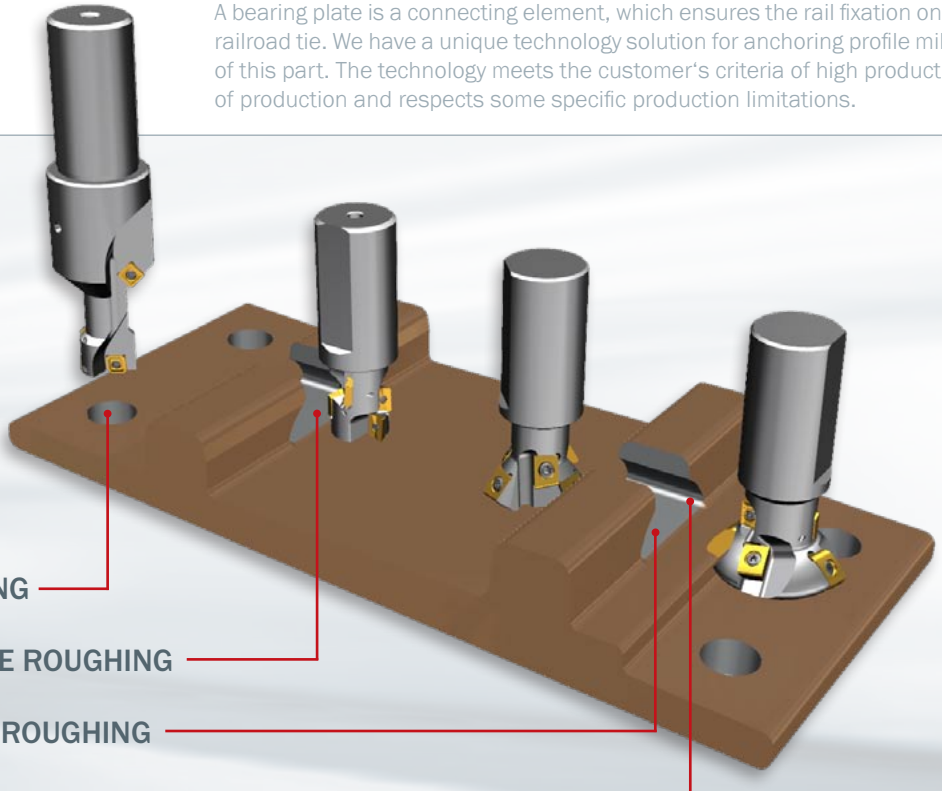
Bearing Plates
MACHINING



PRODUCTIVITY AND RELIABILITY

A bearing plate is a connecting element, which ensures the rail fixation on the railroad tie. We have a unique technology solution for anchoring profile milling of this part. The technology meets the customer's criteria of high productivity of production and respects some specific production limitations.



BEARING PLATES

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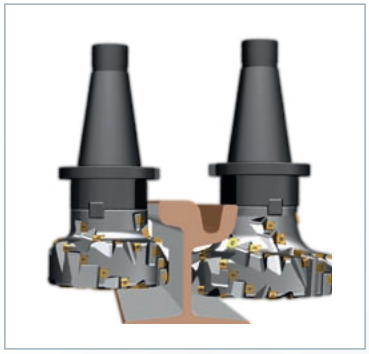
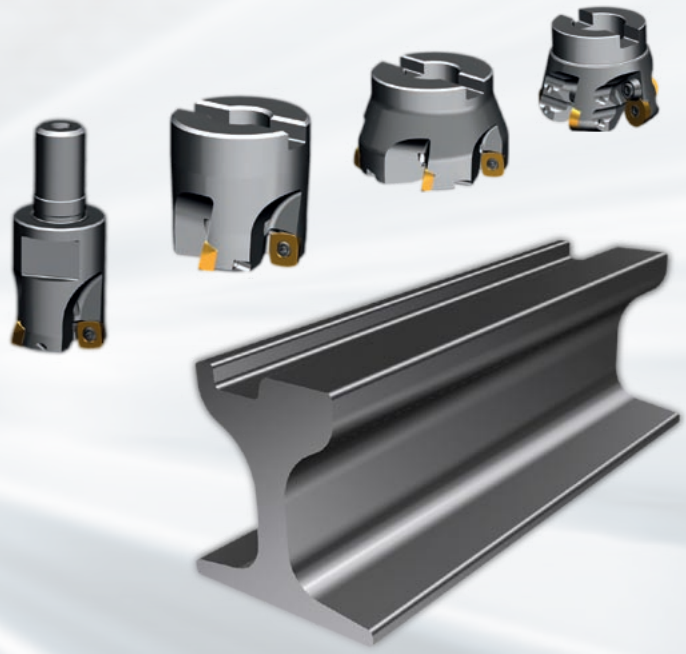
Switches
MILLING

SWITCHES



WE COOPERATE WITH TOP RAIL-SWITCH PRODUCERS

Switches machining is a segment on which we have been focused for many years. We offer our customer standard solutions, which respect the needs of new switches production as well as older pieces renovation. Not only standard solutions, but also specific tools according to customers' needs are part of our product portfolio



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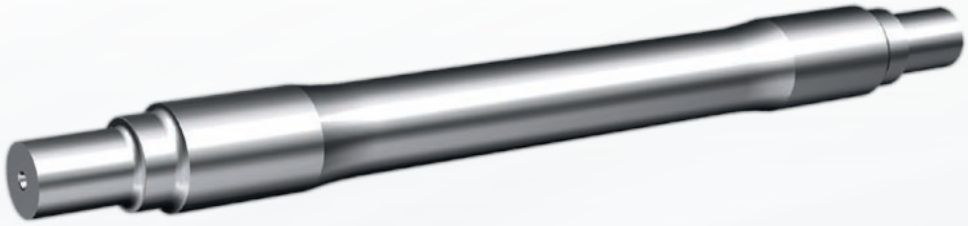
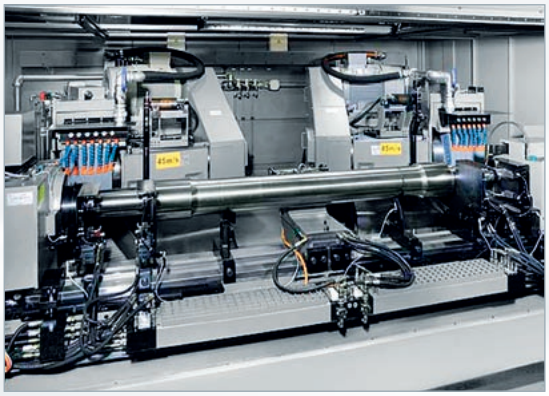
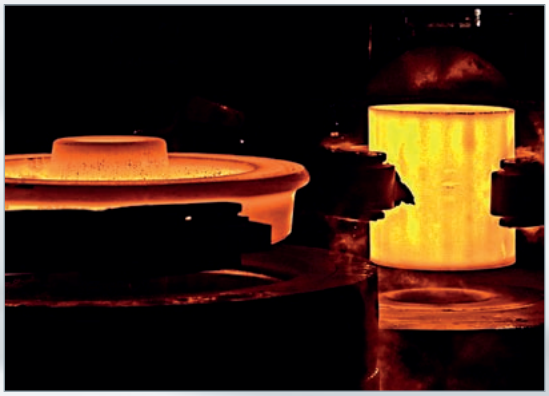
Wheel Sets
MACHINING

PRODUCTIVITY AT HEAVY MACHINING

We have coped with many customers' requirements for specific technologies in the area of the new wheel sets machining, especially for roughing and finishing operations on the new wheels as well as wheel set shafts. Most of such parts are made from forged pieces. We especially emphasize the process reliability and quality of finishing operations.







WHEEL SETS

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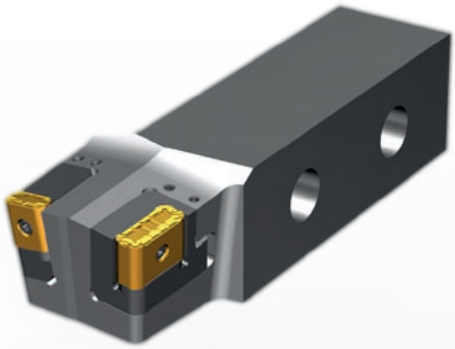
Rail Wheels

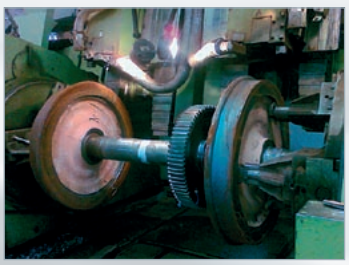
RE-PROFILING

RAIL WHEELS



TOUGHNESS AND RELIABILITY

We satisfy the continuous need for the rail wheels re-profiling by a wide assortment, which contains solutions for different types of machining centres from various producers. Due to the historical cooperation with machine producers and rail repair services we may offer standard as well as innovative solutions for increase of the productivity and decrease of the cost of these operations.



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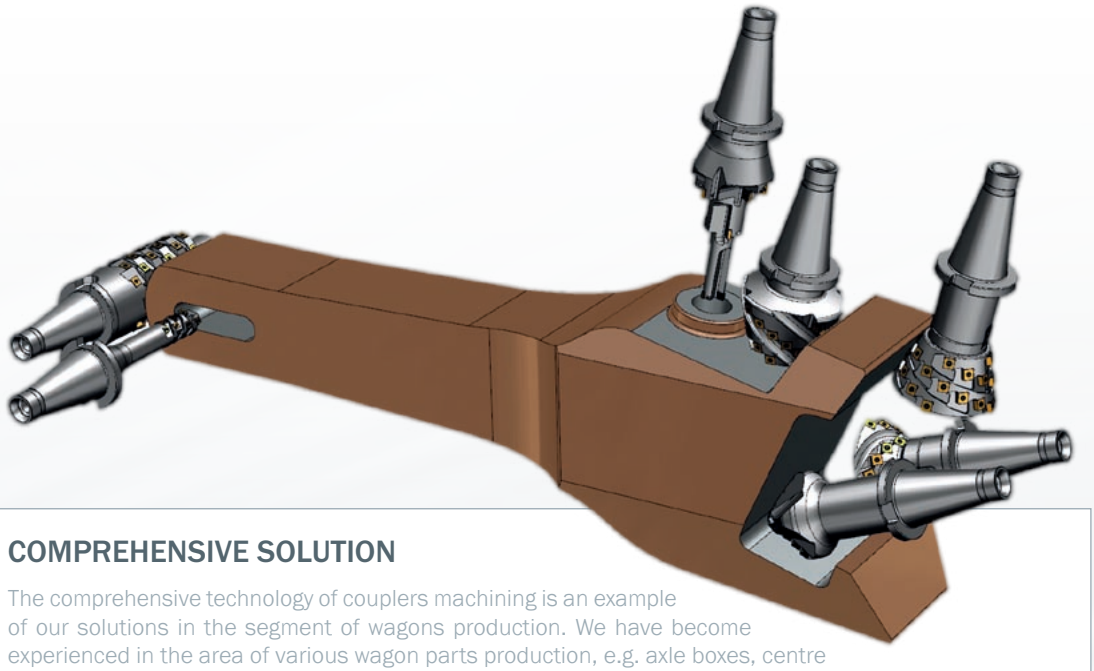
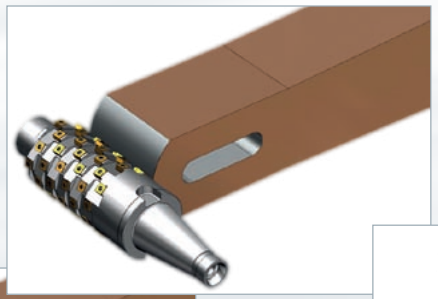
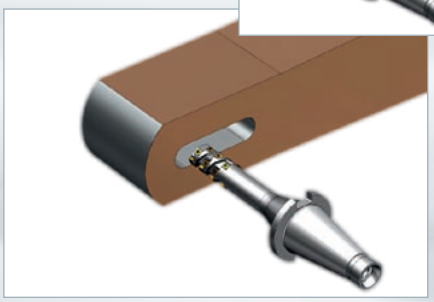
Couplers
MILLING



COMPREHENSIVE SOLUTION

The comprehensive technology of couplers machining is an example of our solutions in the segment of wagons production. We have become experienced in the area of various wagon parts production, e.g. axle boxes, centre plates, bogie frames, fenders etc. We systematically strengthen our partnership with producers of these parts and develop more new solutions.





COUPLERS