

THE NEW VALUE FRONTIER



AUTOMOTIVE

Gearbox
housing

Gearbox housing



UM Dandia™ Tooling solutions for the automotive industry



Intro

KYOCERA UNIMERCO - YOUR INNOVATIVE PARTNER

Kyocera Unimerco specialises in the manufacture of high performance PCD and solid carbide tools for customers in many different industries.

We aim at improving the competitiveness of our customers by reducing the unit costs in the cutting processes.

So what does this business philosophy mean to you?

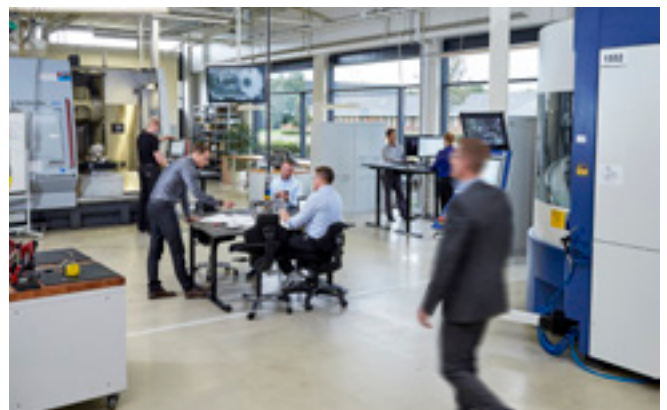
We do not just deliver tools. Our highly qualified tooling technicians have in-depth knowledge of gearbox applications and each problem is analysed thoroughly to come up with the best possible solution for you. Together with you, we design what we feel will be the ideal solution for your specific application.

Production takes place on advanced high performance machinery in our different factories.

As a general rule, PCD tools for gearbox applications are delivered in 4-8 weeks. However, large quantities or new developments will be delivered according to agreement. The manufacturing capacity in DK, UK and USA enables us to carry out fast deliveries of tools in small quantities (2-3 pcs.) within two weeks at a surcharge.

After delivery, we will be in contact with you to follow up on the tool performance and to make sure that everything runs smoothly. Thus, our optimization experts will also be assisting during this phase with valuable advice concerning choice of optimum parameters, cooling and production reliability, etc. In other words, we take complete care of your tool performance and ensure that you get the best output possible.

We look forward to your inquiry for a customized tooling solution for your gearbox application.



Complete tool solutions

FOR GEARBOX HOUSING

Kyocera Unimerco has in-depth knowledge of gearbox applications, gained through several years of close cooperation with some of the world's largest manufacturers.

Our tool package for gearboxes provides you with the following benefits:

Fewer tools needed

In most cases, the actual number of tools used for manufacturing a gearbox can be reduced by combining several operations into one combinat tool. Of course your advantages are shorter cycle time and thereby higher productivity. Often, we are able to implement a solution which reduces also the number of machines needed for a certain operation.

Faster machining

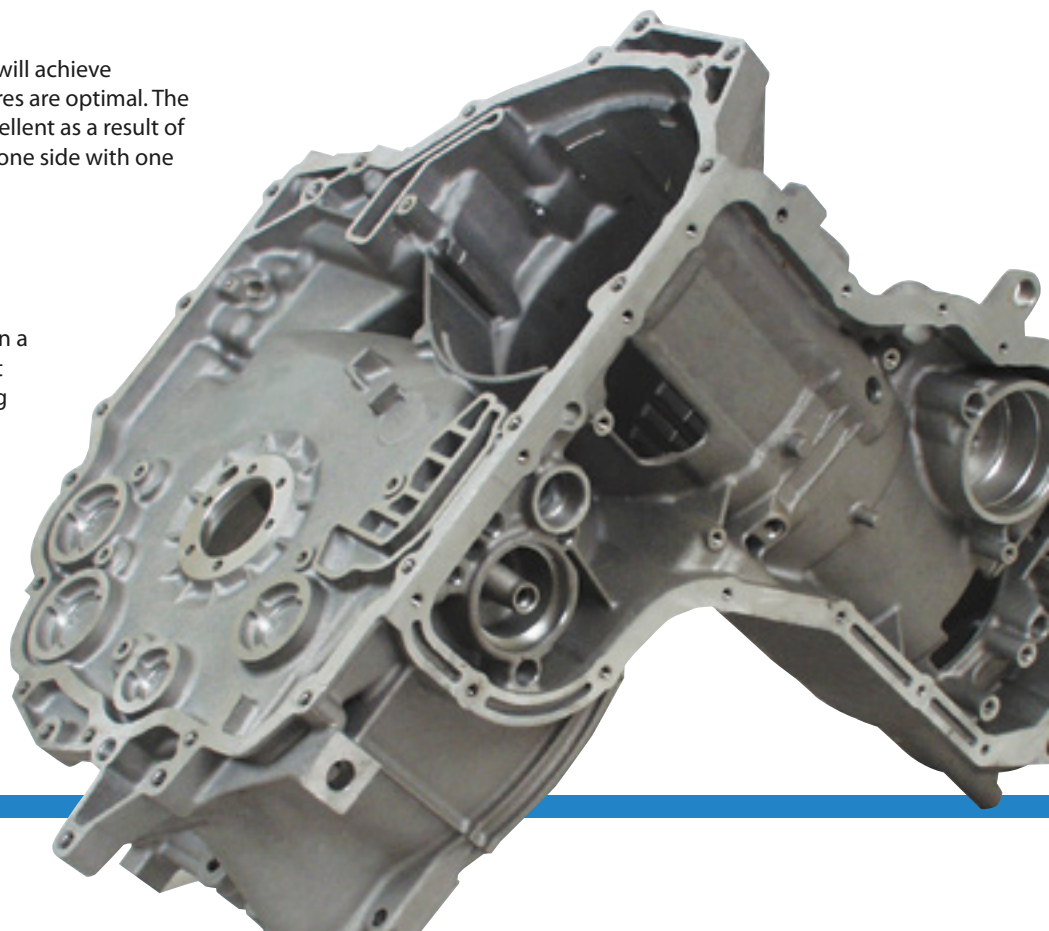
A result of our extensive research and development activities is the "one shot" solution for many of the features on gearboxes. So instead of using several tools in a traditional way, you can use the UNIMERCO tooling solution to cut to the finished size without any roughing operation. The most important benefit of these "one shot" tools is the reduced machining time.

Component quality

With the UNIMERCO tooling package, you will achieve excellent surface finish results, if your fixtures are optimal. The concentricity between bearing holes is excellent as a result of reaming double-sided bearing holes from one side with one tool.

Longer tool life

The use of high performance tools results in a longer tool life. This is one of the important advantages of using the UNIMERCO tooling package for gearboxes. Your benefit is less machine down time, due to fewer tool changes.

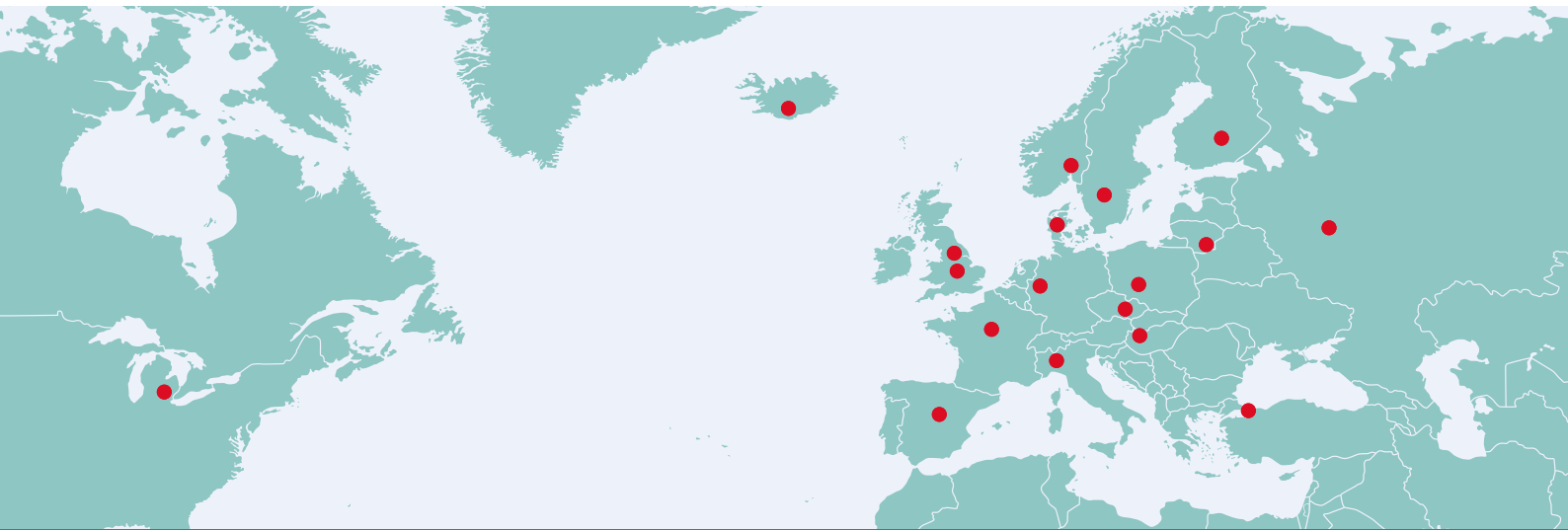


Industrial tooling solutions

Kyocera Unimerco is a global manufacturer and distributor, providing standard and customized cutting tool solutions as well as know-how and optimization guidance for the manufacturing industry.

The company was founded in 1964 and has since expanded into 17 countries, with more than 700 employees.

Today the company is part of the Japan-based Kyocera Corporation.



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