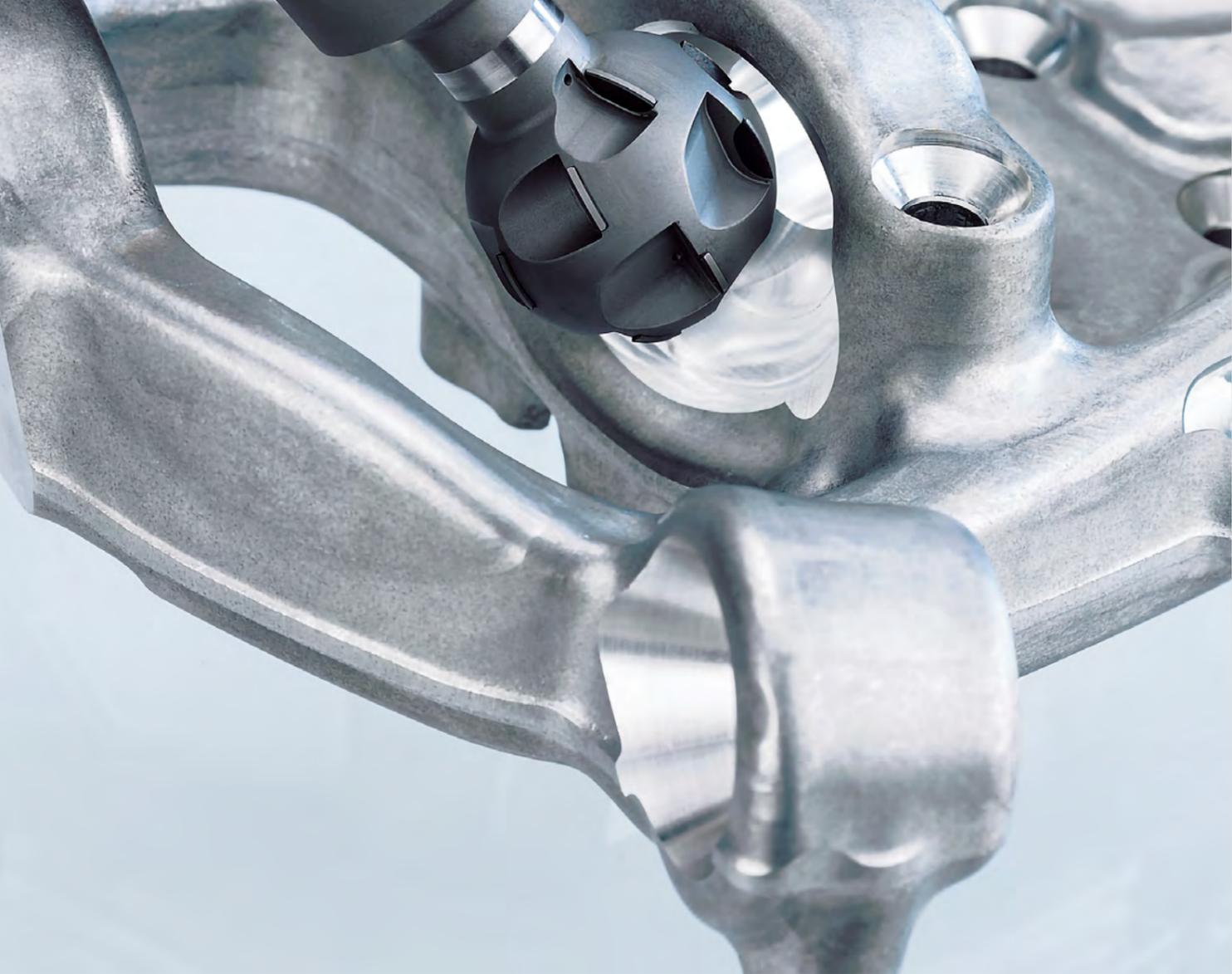


PCD tools
Powerful and efficient

www.lmt-tools.com





Efficient solutions for specific customer requirements

When it comes to the individual and demanding machining of non-ferrous metals such as aluminum or magnesium for gearbox housings, cylinder blocks, pumps or engine casings, polycrystalline diamond (PCD) tools are the best choice. PCD has a particularly high hardness and thus successfully machines abrasive materials.

LMT Kieninger develops tailor-made PCD tools for these types of machining. Thanks to the optimum combination of cutting material and geometry of the cutting edges, the tools enable maximum performance, cost-efficiency and process reliability, making them an ideal partner for the automotive industry, the energy sector, general machining or aerospace industry - even for small lot sizes.

Tailor-made and powerful

All the advantages of our solutions at a glance:

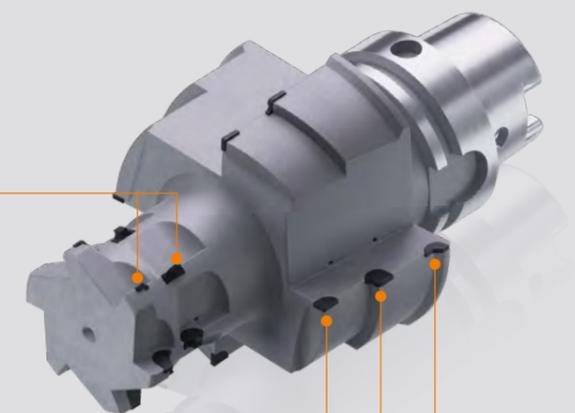
- High process reliability
- Optimum dimensional and form accuracy
- High wear resistance and long tool life
- First-class surface qualities
- Increase storage capacity due to combining two tools in one



e.g. **PCD ball nose end mills** for high dimensional and form accuracy and high surface quality



e.g. **PCD step countersink** for narrow diameter tolerances and high surface quality



1st and 2nd stage
Circular milling

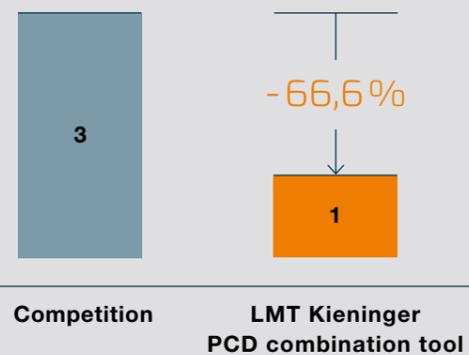
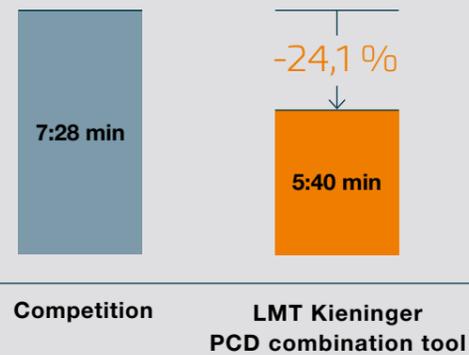
3rd and 4th stage
Finishing
diameter, close tolerance
(PCD cutting edges with lasered or chip breakers ensure process-reliable chip control)

5th stage
Chamfering
(with lasered chip breakers)

e.g. **PCD combination tool** for decreasing how often you switch tools and increase tool storage in the magazine

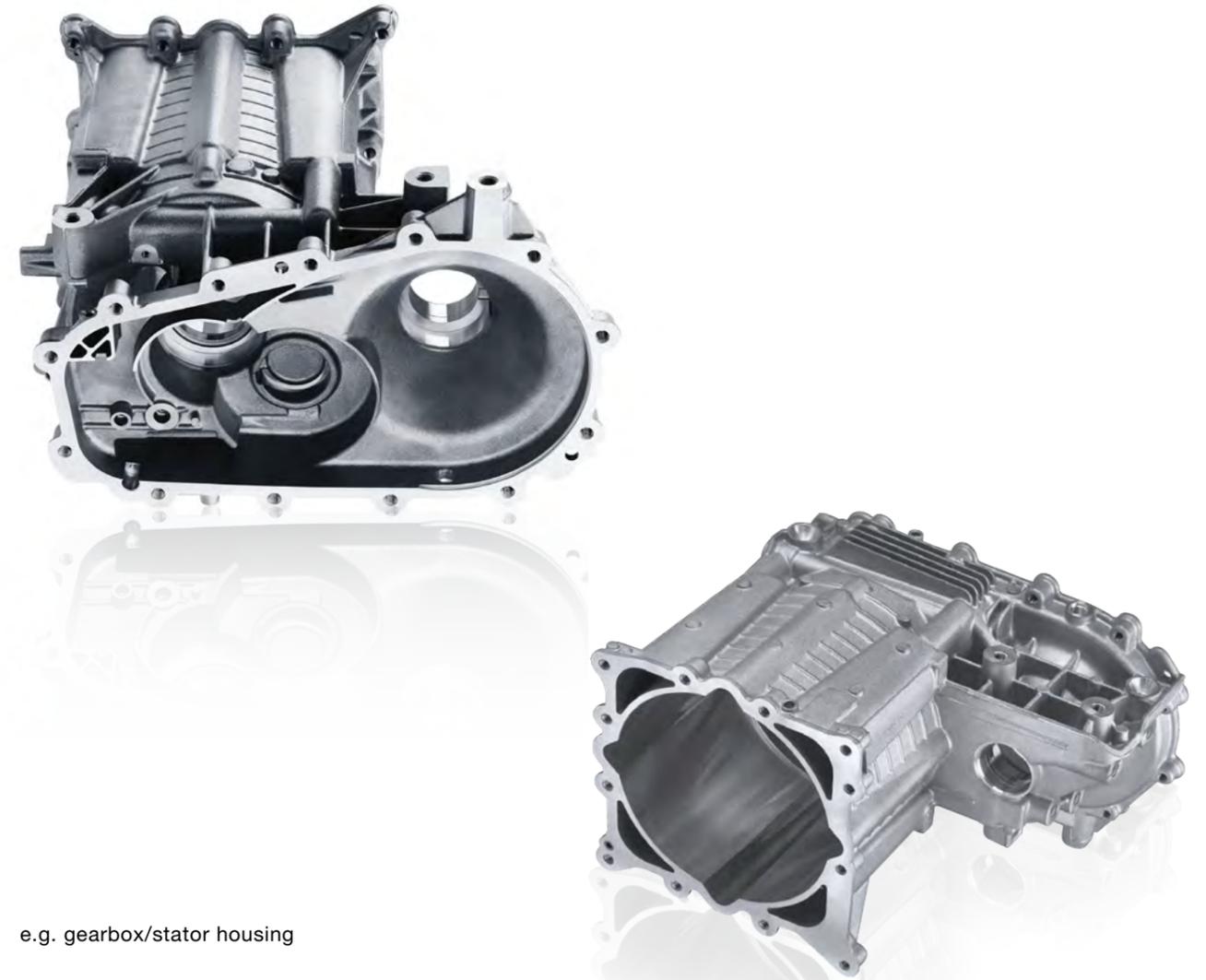
Increased efficiency through combination tools

Combination tools combine several machining steps with different lengths and diameters or drilling and milling operations in one tool solution. This results in reduced machining and tool change times.



Optimum process times

Reduced number of tools in use



e.g. gearbox/stator housing

“For machining non-ferrous metals, we offer you the best technical and economical solution.”

Imprint
 Publisher: LMT Tools Global Operations GmbH & Co. KG
 Vogesenstrasse 23, 77933 Lahr, Germany, Phone: +49 78 21 943-0
 Responsible in the sense of the P.: Norman Winter, LMT Tools GmbH & Co. KG
 Design: hsn – Die Agentur für integrierte Kommunikation GmbH, Hamburg
 Printing: Druckerei Weidner GmbH, Rostock



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 Sources: LMT Tools Global Operations GmbH & Co. KG

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Contact us and our experts.

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