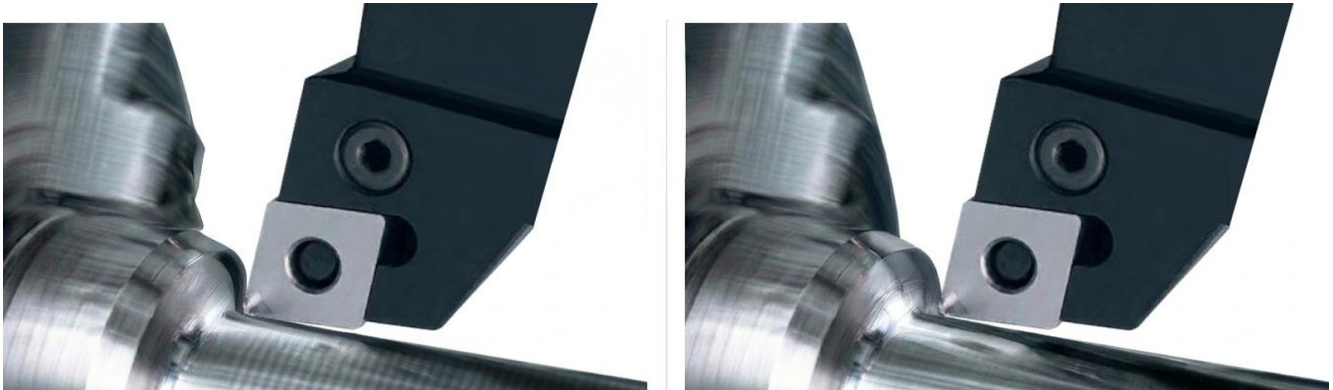


Applications and tool developments



Turning tools in contact with the workpiece

Consider the application and tool together

The application collections bring together tool geometries, cutting materials and manufacturing solutions. This overview leads to specific topics including wiper inserts, micro boring, PCD 3C tools and coated carbide tools. Product codes remain unchanged.

This edited overview provides an introduction to the tool family. Complete original tables and illustrations remain accessible through the source links. You can move from the described operation directly to a technical discussion of your application.

Applications and tool assignment

Application or feature	Tool and assignment
Wiper inserts	Optimized corner/cutting-edge geometry
Micro boring	PCBN and PCD designs matched to material
3C industry	Computer, communication and consumer electronics
Carbide tools	H1-H4 coating variants in the source
Application matching	Component and tool code rather than a new-product year alone

Tool features and benefits

Wiper geometries are described in relation to reduced feed marks and improved surface quality. The source image explicitly shows Ra 0.4 to 0.2 μm as a theoretical, illustrative comparison under the same cutting conditions. That context is retained without presenting it as a measured customer trial. Micro inserts provide access to small bores; material assignment distinguishes PCBN and PCD.

From your application to a tooling solution

The component drawing, bore diameter, material and complete tool code help selection. Wiper applications consider feed, nose radius and surface together. A year in a filename alone is not treated as a publication or approval date; the documented source relationship therefore remains part of the edition.

Start with the information already available. An existing tool, a photo or a drawing is often a useful starting point. Also discuss your goal: replacing an existing design, improving surface quality or reducing tool changes and machining time. Comparisons record quality, time and useful output together; missing information can be added during the technical discussion.

EHWA Europe · Technical consulting

info@ehwadia.de · +49 (0) 6173 - 99 77 80

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Further original documents

- [Applications and tool developments - AMB 2026 NewProduct](#) · Original PDF, 17 pages.
- [Applications and tool developments - AMB 2026 Machine](#) · Original PDF, 14 pages.
- [Applications and tool developments - Grindtec 2023-1](#) · Original PDF, 29 pages.
- [Applications and tool developments - emo 2023-2 pdf](#) · Original PDF, 31 pages.

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