

Control of milling process via real-time measurements

Green Manufacturing

Low environmental Footprint

Circular Economy

Project consortium



Summary

Continuation of Mach4ZeroDefect projects. Enhancing a sensory milling head in combination with a special sensory tool holder. This project aims for miniaturisation and integration into smaller tools compared to Mach4ZeroDefect. The targeted milling head dimension (e.g. diameter 125 mm) will be used by customers of Walter Tools. MyTool IT takes care of the commercialisation of the integrated electronics.

Measurements of temperature and cutting force directly at individual cutting teeth of the milling head to detect deterioration on workpiece or cutting edge. Subsequently manufacturing parameters can be adjusted and fed into data-based machine optimisation.

