

ESPRIT EDGE CAM

Software for CNC Programming, Process Optimization and Automation

ESPRIT EDGE is a comprehensive and intuitive CNC programming solution from Hexagon, designed to maximize manufacturing productivity. It supports turning, milling, wire EDM, and additive processes, enhancing machine efficiency and reducing both cycle and programming times. Advanced features such as in-process and final part inspection cycles further contribute to production control.

With its Digital Machine Package (DMP), ESPRIT EDGE CAM provides accurate machining simulation in a virtual environment that mirrors the real machine. Custom-generated code minimizes errors, scrap, and downtime—improving quality, competitiveness, and productivity.

Why choose ESPRIT EDGE, Hexagon's CAM software?

Advanced CNC programming

ESPRIT EDGE delivers advanced programming capabilities for mills, lathes, multitasking machines, Swiss-type lathes, wire EDM, and more—supporting a wide range of machine tools. This allows manufacturers to fully exploit their equipment and achieve highly efficient, flexible production.

Toolpath simulation and verification

Comprehensive toolpath simulation allows users to verify operations before execution on the actual machine. This minimizes errors, prevents costly machine damage, improves machining quality, and ensures safe, precise operations while optimizing production times.

One software for the entire workshop

ESPRIT EDGE provides a single, easy-to-use interface for programming all available machines. Users can effortlessly switch machines, tooling, or setups during programming, with automatic and efficient recalculation of toolpaths.

Process automation and optimization

ESPRIT EDGE reduces programming time, cycle time, and production costs, improving productivity, efficiency, and overall competitiveness. Intelligent resource management is supported through integrated process optimization tools.





Milling

With ESPRIT EDGE, milling becomes more efficient and fully adaptable to customer needs, supporting 3-, 4- and 5-axis machining on both vertical and horizontal machines.



Multi-tasking

For multitasking machines, ESPRIT EDGE provides an integrated environment for programming complex, multi-operation processes, minimizing setup times and reducing the risk of programming errors.



High-Speed Machining

High-speed turning and milling with ESPRIT EDGE significantly reduces cycle times and dramatically extends tool life, maximizing machine output.



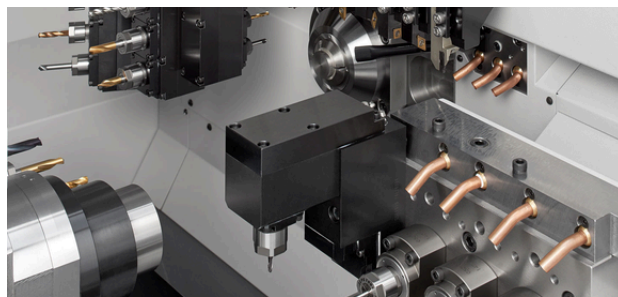
Turning

ESPRIT EDGE optimizes turning cycles with advanced strategies to speed up operations, reduce tool wear, and ensure dimensional accuracy and surface finish as specified in the design.



Wire EDM

ESPRIT EDGE ensures accurate cuts and reduced setup time through realistic simulation and optimized cutting processes, even on machines with multiple rotary axes.



Swiss-Type Machining

ESPRIT EDGE supports Swiss-type machining with certified and precise post-processors validated by machine tool manufacturers, ensuring seamless operation and accurate code generation.