

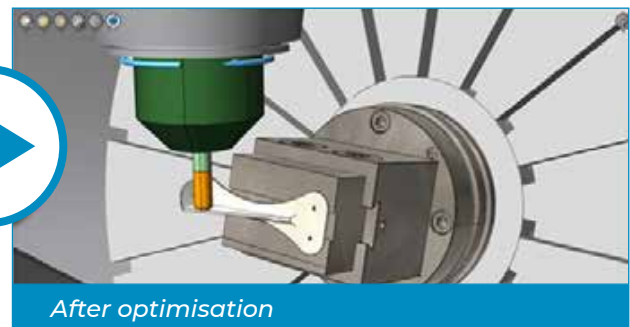
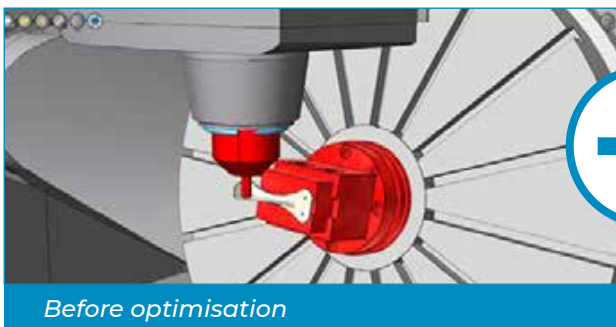
G ZEROFIVE

OPTITOOL

Speed up your cutting motions. Features:

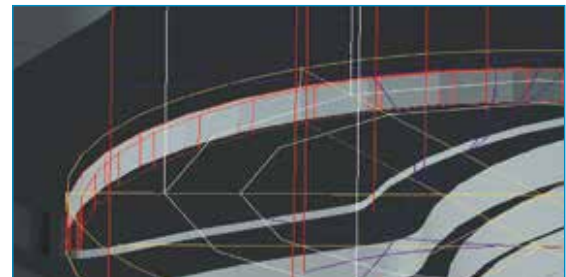
▶ Set tool length offsets

- Minimize tool deflection problems
- Eliminate collision risks with the tool setup (holder + extension)



▶ Analyse cutting conditions

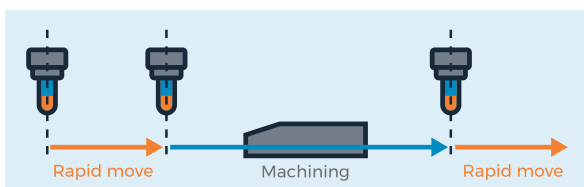
- Set alerts on parameter limits exceeded and display all material removal in a comprehensive way
- Segment the toolpath and analyze maximum values for all cutting parameters (Q, h, Fz, Ap, Ae, AD, Vc)



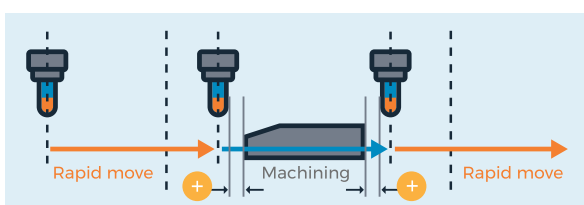
▶ Remove air cutting

- Choose the best approach and retract motion strategies and minimize air cutting
- Reduce working feed rate motions (G1) and maximize rapid motions (G0) safely around the cuts

Before optimization

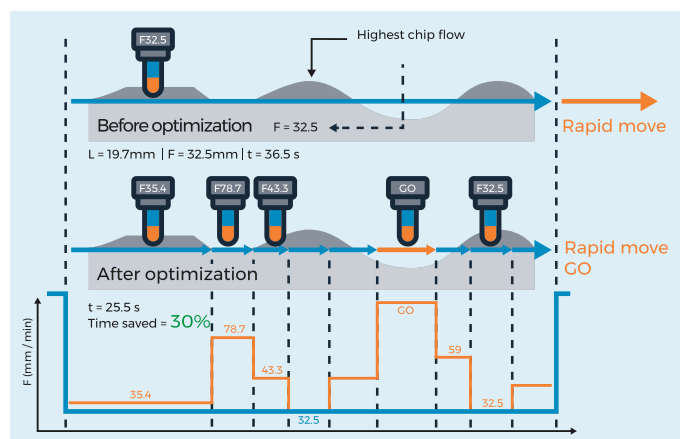


After optimization



▶ Optimize material removal

- Generate new feed rates accordingly with the removed material analysis
- Achieve better surface quality by keeping a constant chip load
- Automatic "Learn Mode" requires no setup or know-how



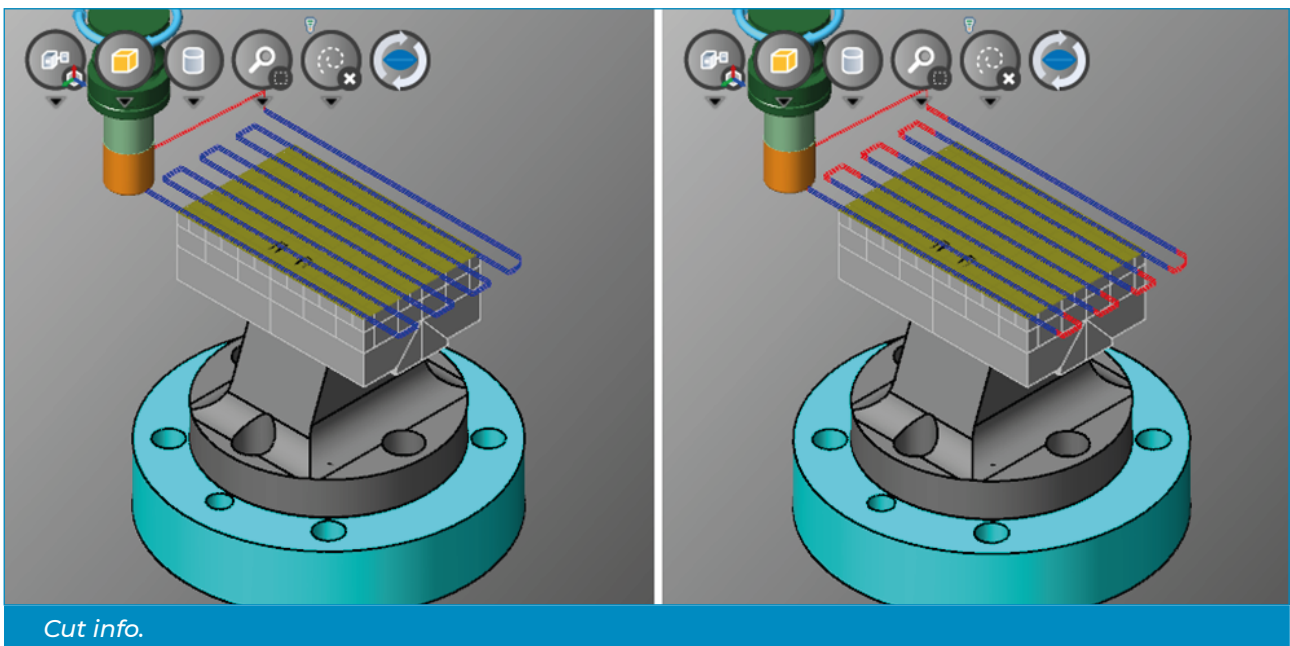


EARN MONEY BY SAVING TIME BENEFITS

Reduce your CNC machining cycle time by 20%.
Enhance the quality of your machining operations.
Increase your machine capacity.

- Use the right tool length offsets and secure your setup
- Extended tool breakage-safety: alerts on restricted center-cutting tools

Direct before-and-after comparison for a detailed overview on results and data analysis included in an automatic report:



- Provide extended analysis features, with physics based factors
- Capitalize on the actual cutting condition data in the library that will benefit future optimization, eliminating need for expertise
- Take in consideration machine capabilities: feed rate is automatically adapted during a machine switch

	INITIAL	OPTIMISED	DIFFERENCE
TIME IN RAPID MOVE	36"	45"	+09" (-25%)
TIME OUT MATERIAL	9'32"	02'38"	-06'54" (+72%)
TIME IN MATERIAL	26'16"	26'29"	+13" (-1%)
CUTTING TIME	35'48"	29'07"	-06'41" (+19%)
VARIOUS TIME	00"	00"	NA
TOTAL TIME	36'24"	29'52"	-06'32" (+18%)