

The image features a white background with a subtle pattern of light gray hexagons on the right side. Several thin, diagonal lines in blue and gray are scattered across the left and center areas. The main title is centered in a bold, dark gray font.

Manufacturing Showcase



Smash cycle times with SolidCAM, Emuge and Lang

The success of high efficiency roughing

A well fixtured part

An efficient cutting tool

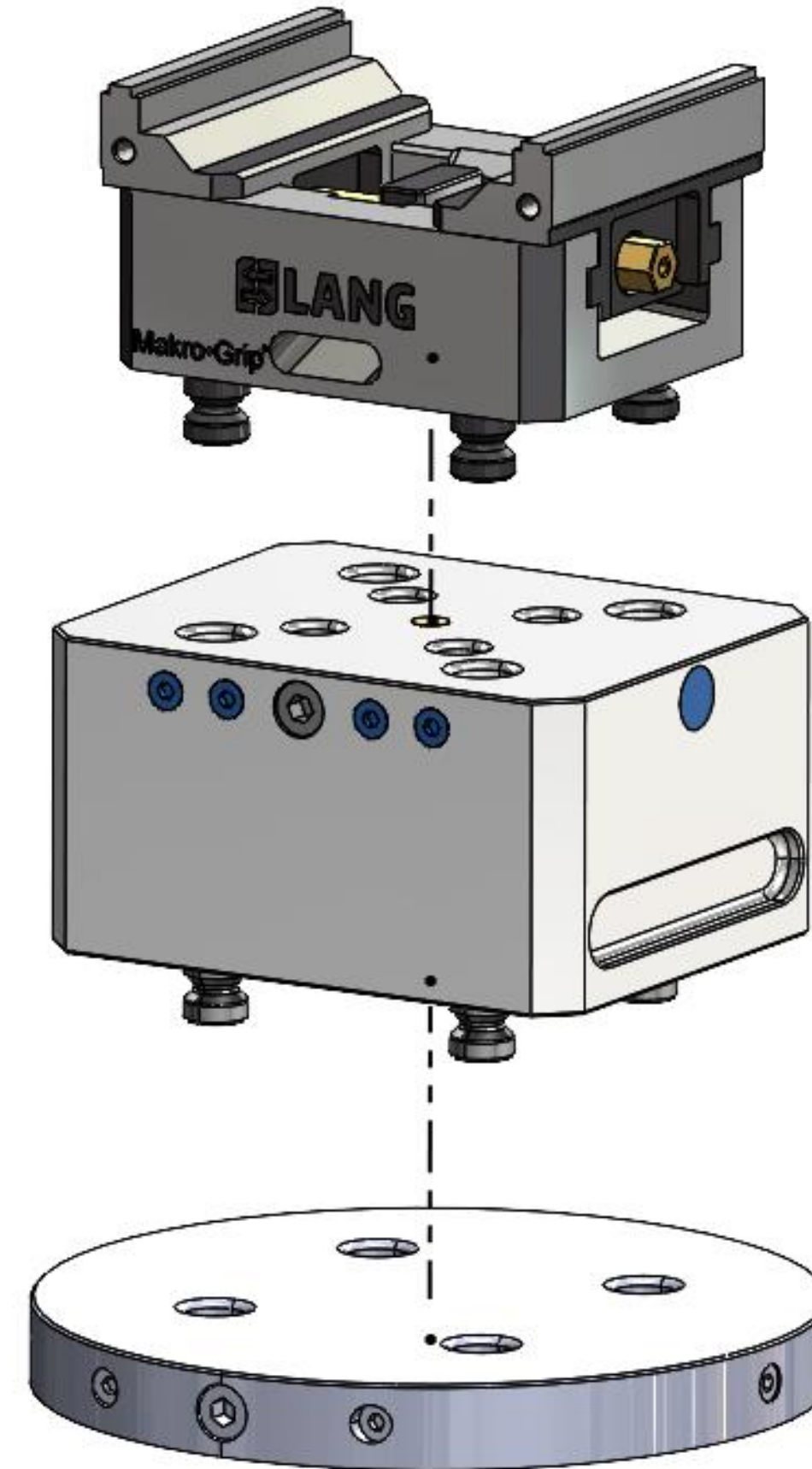
A rigid and accurate machine

iMachining



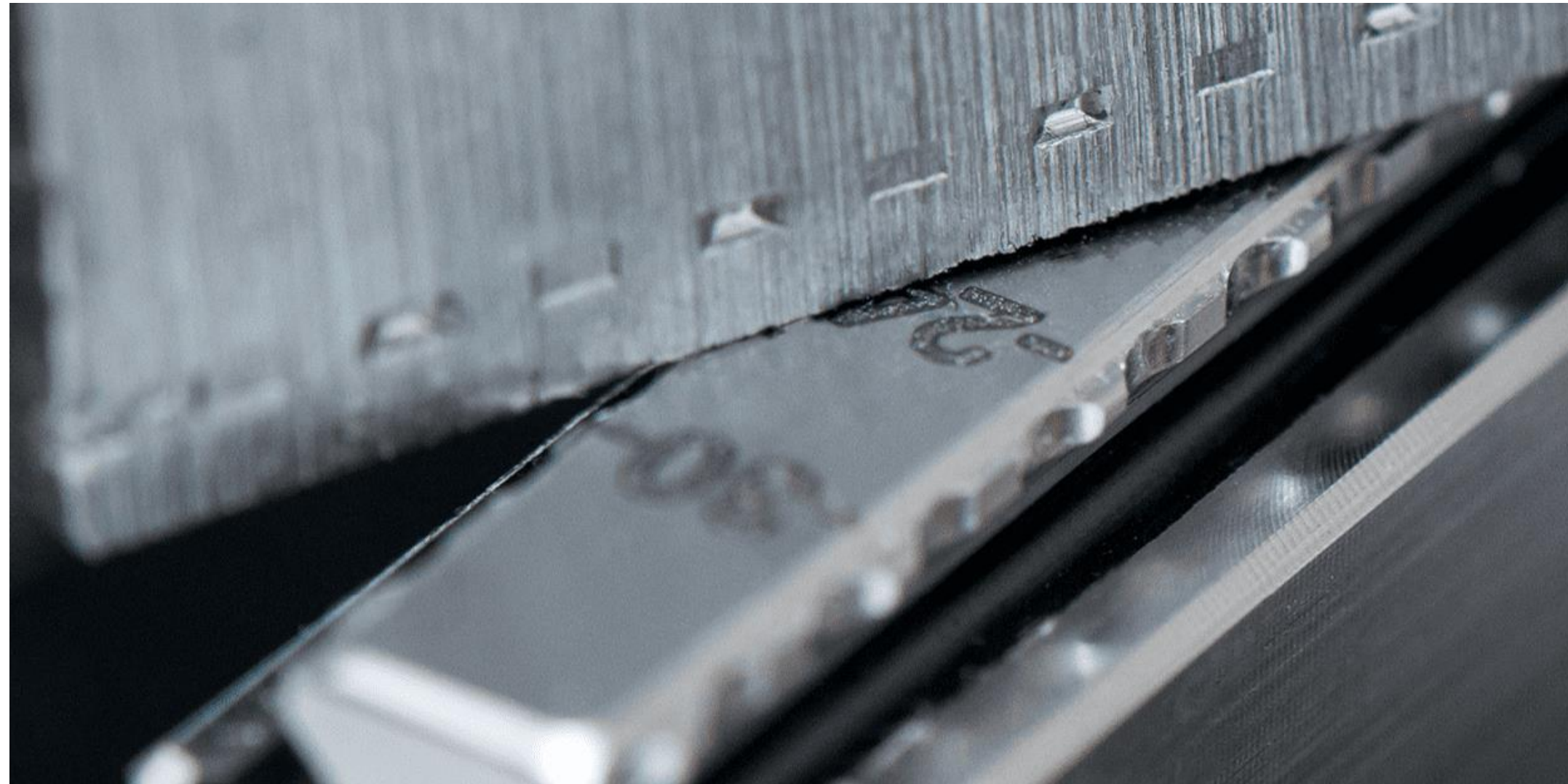
Lang Vise

- Makro Grip Vice
- Quick Point Plate
- Riser Block



What is Makro Grip?

- Stamped impression on the stock
- Allows very low Z height in gripping portion
- No need for Endstops



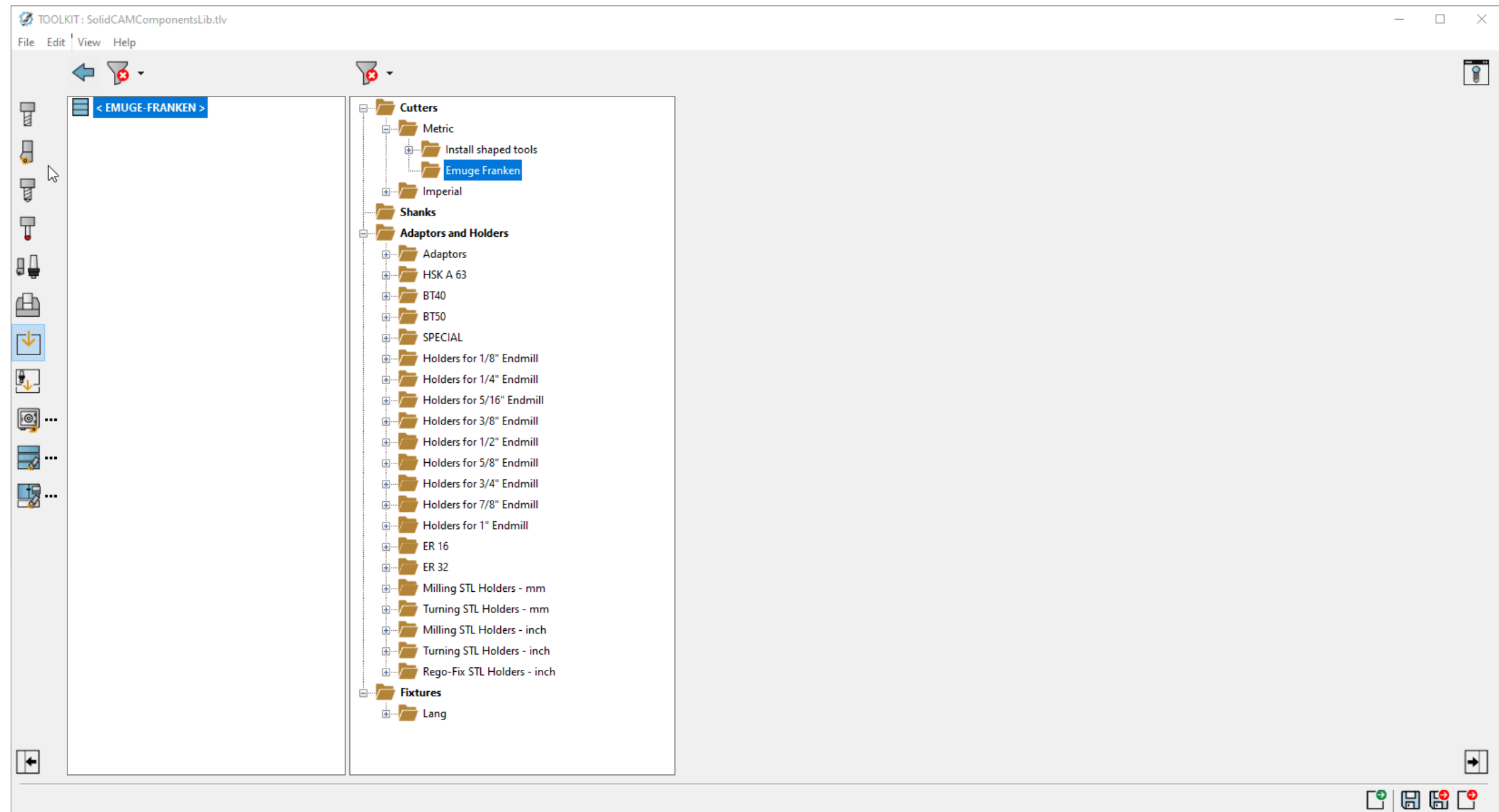
Emuge TiNox Cut

- Extra-long design
- Variable spacing to reduce
- Profile optimised for high performance cutting



Emuge Tool Import

- Easily Find the Tool, feed and speed you need
- Import directly into SolidCAM Toolkit



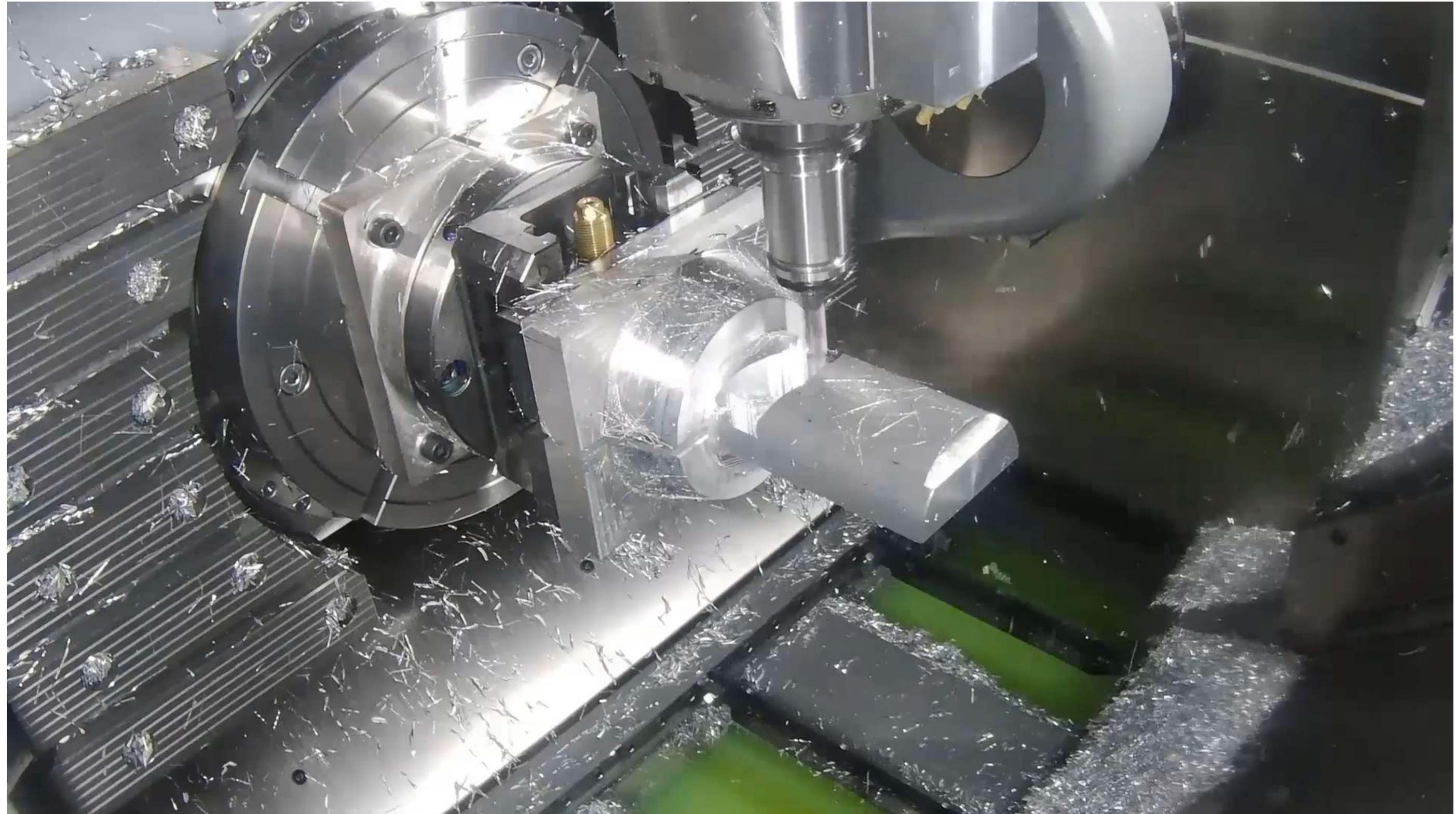
XYZ UMC 5X

- High power spindle
- High feed rate
- Large tilt axis
- High level of repeatability



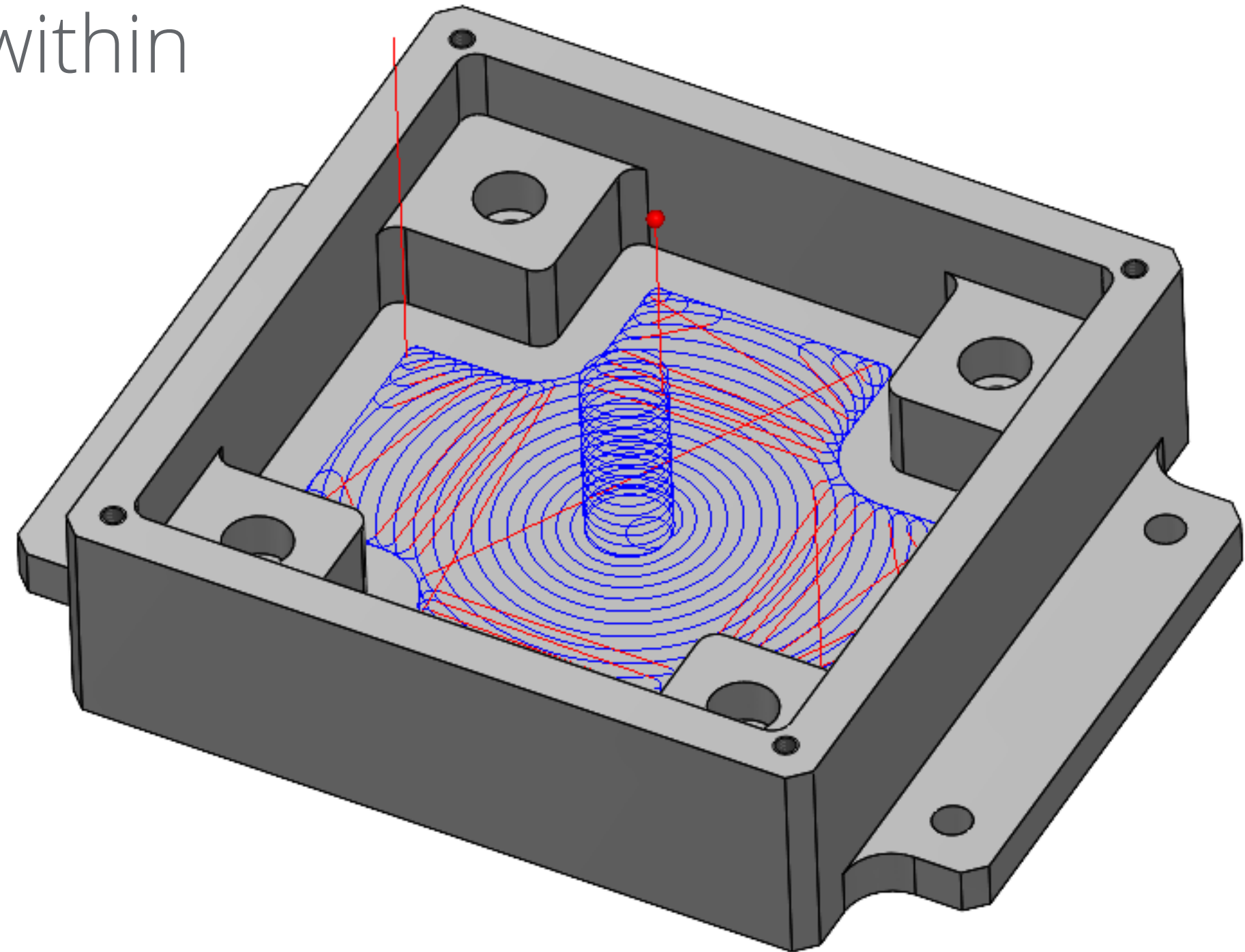
How does iMachining work?

- Morphed Spiral Strategy
- Constant tool load
- Optimised cutter length



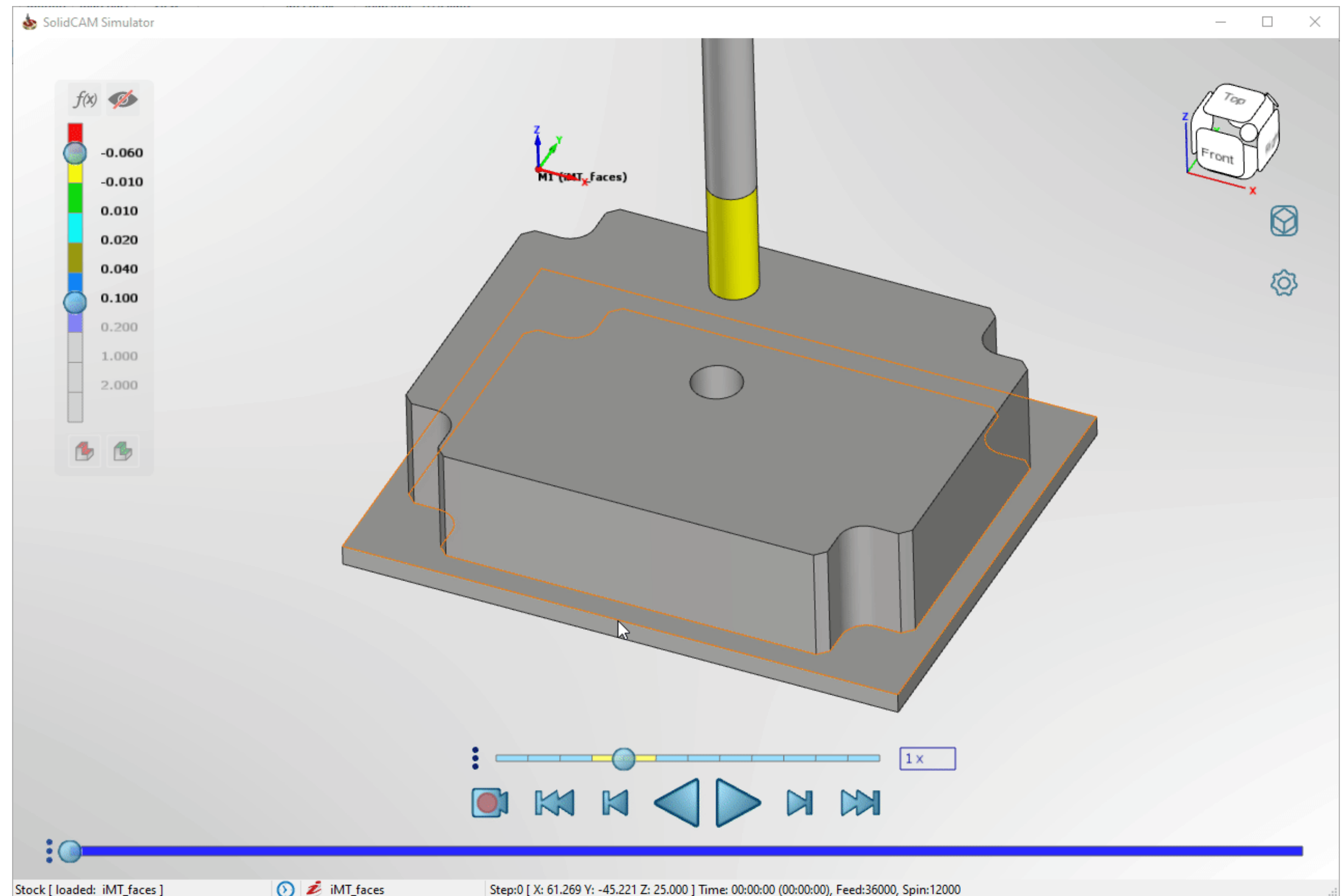
Why is a Morphed Spiral effective?

- Smooth as possible toolpath within boundaries
- Minimises retractions and repositions
- Removes transitions



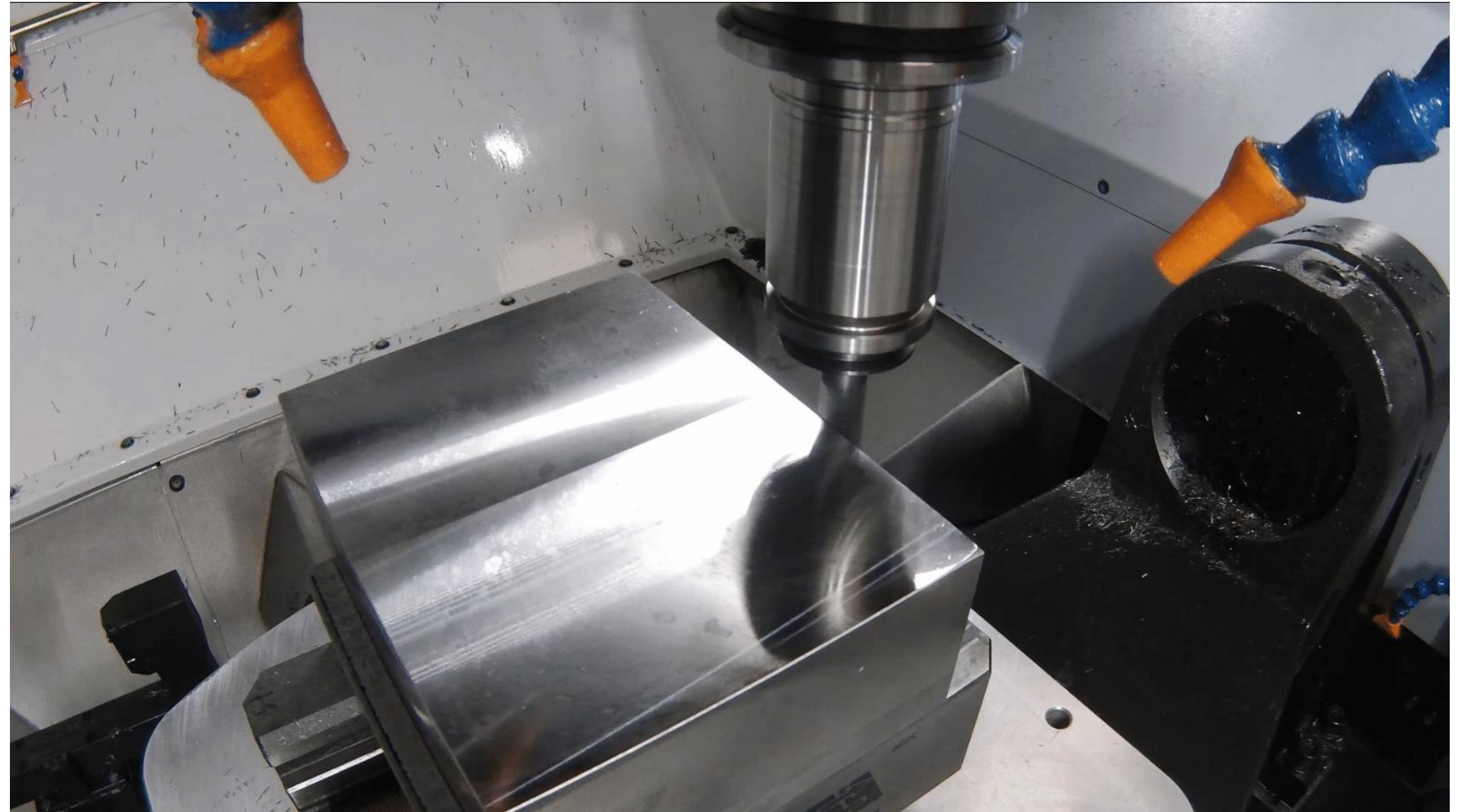
Why is constant tool load important?

- A good measure of cutting conditions
- Better for tool life
- Better for the machine spindle



Optimised Cutting Length

- Minimises tool vibration
- Ensures at least one flute is always cutting material



Creating Toolpaths

- Let's take a look at how we can make machining toolpaths!





**Thank you for
Listening**