

The background of the slide is a dark blue gradient. At the top and bottom, there are horizontal bands showing a close-up, grayscale image of a machine tool (likely a drill or end mill) cutting into a metal workpiece, with bright sparks and chips being removed. Red vertical and horizontal lines are overlaid on these image bands. The main text is centered on the dark blue background.

# Eureka G-Code

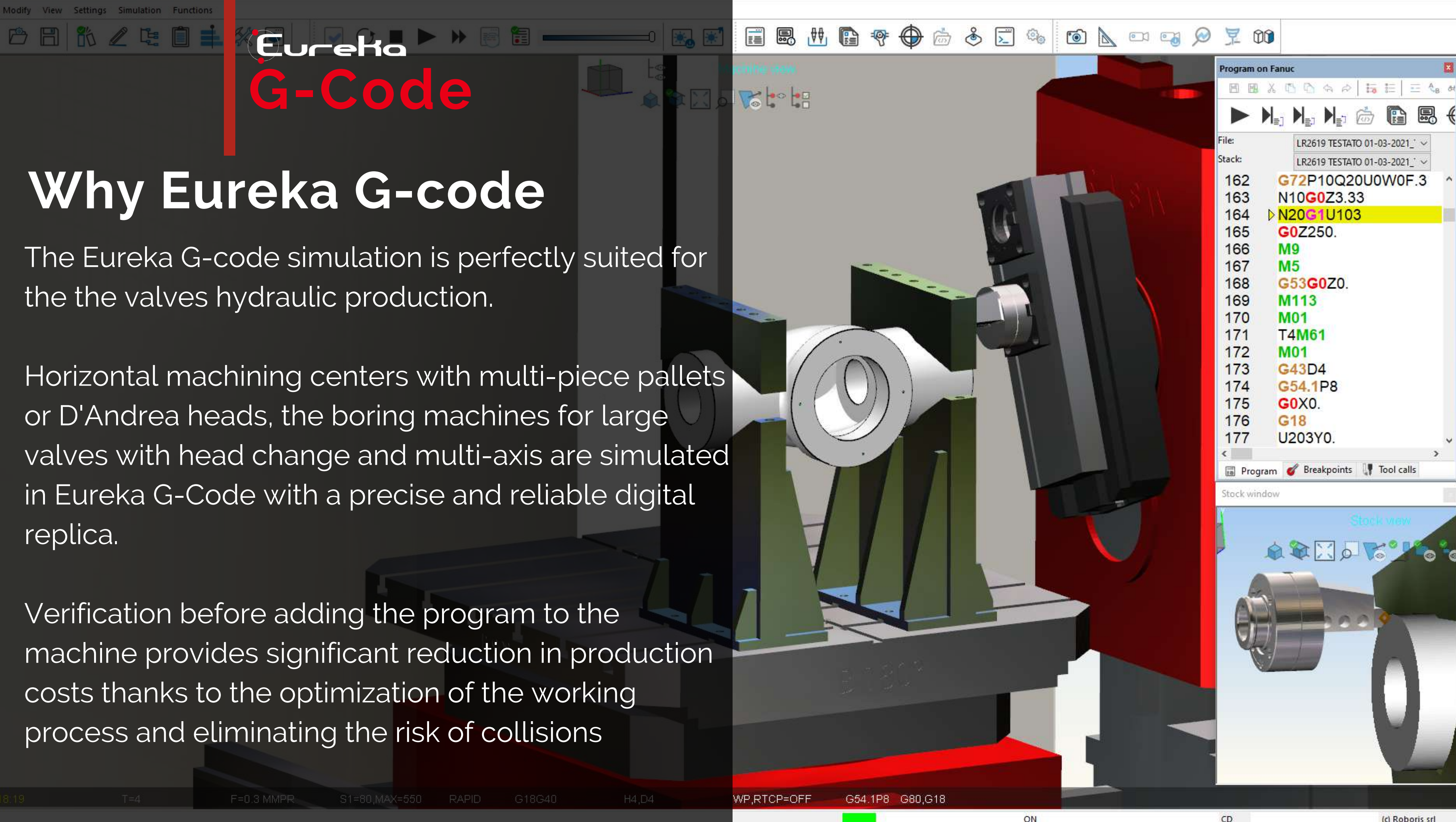
Machine tool simulation  
hydraulic sector and valves

# Why Eureka G-code

The Eureka G-code simulation is perfectly suited for the the valves hydraulic production.

Horizontal machining centers with multi-piece pallets or D'Andrea heads, the boring machines for large valves with head change and multi-axis are simulated in Eureka G-Code with a precise and reliable digital replica.

Verification before adding the program to the machine provides significant reduction in production costs thanks to the optimization of the working process and eliminating the risk of collisions



Program on Fanuc

File:

LR2619 TESTATO 01-03-2021\_

Stack:

LR2619 TESTATO 01-03-2021\_

```
162 G72P10Q20U0W0F.3
163 N10G0Z3.33
164 N20G1U103
165 G0Z250.
166 M9
167 M5
168 G53G0Z0.
169 M113
170 M01
171 T4M61
172 M01
173 G43D4
174 G54.1P8
175 G0X0.
176 G18
177 U203Y0.
```

Program

Breakpoints

Tool calls

Stock window

Stock view



# Strength points

- Simulation of program created manually, or post processed from any CAM system

Use of parameters, cycles, subroutines

Multi-piece

Probing cycles

- Supports all types of tools, including:

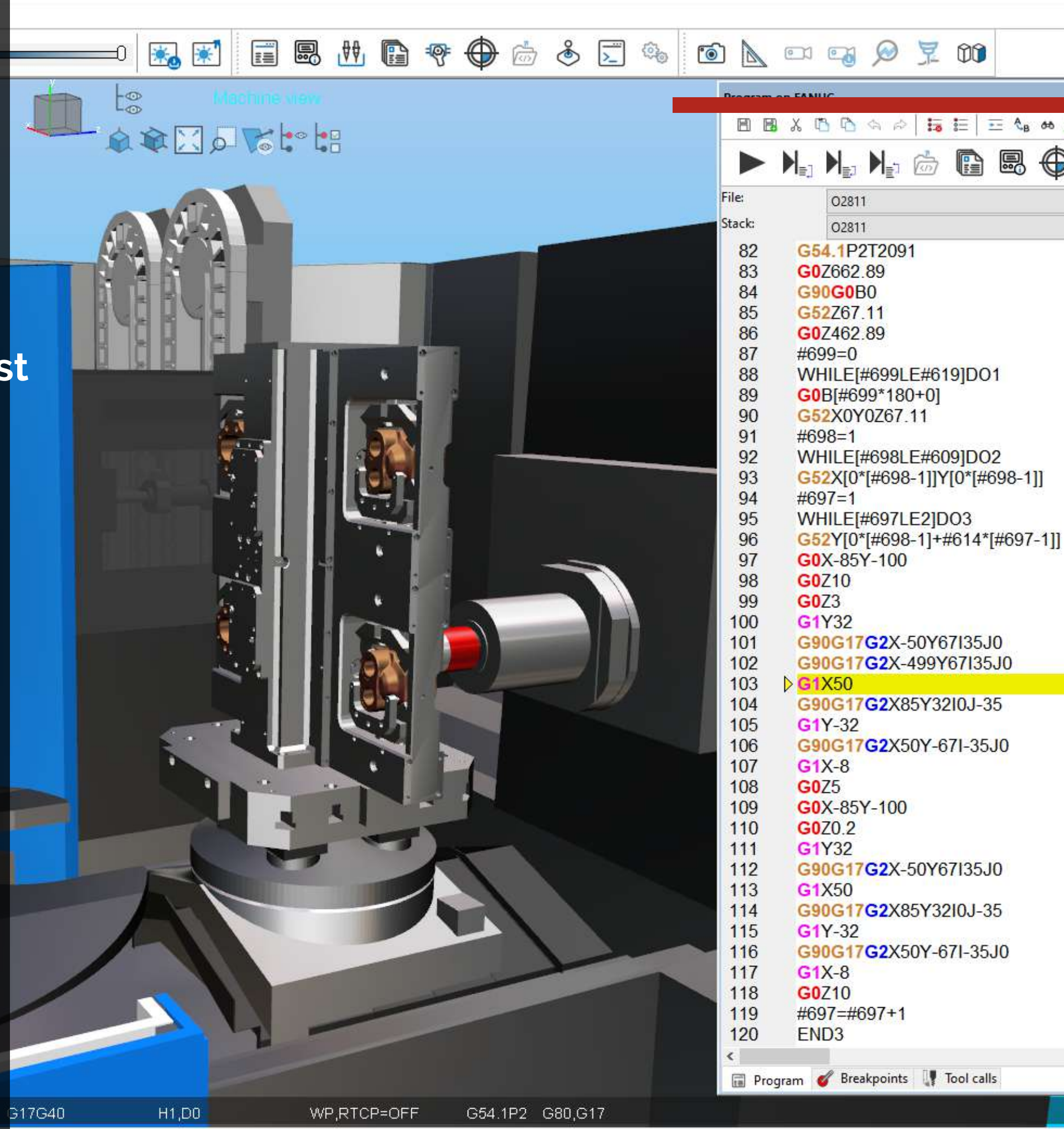
Special tools with Multi-cutting edges

Boring Bar

Angular heads

D'Andrea heads

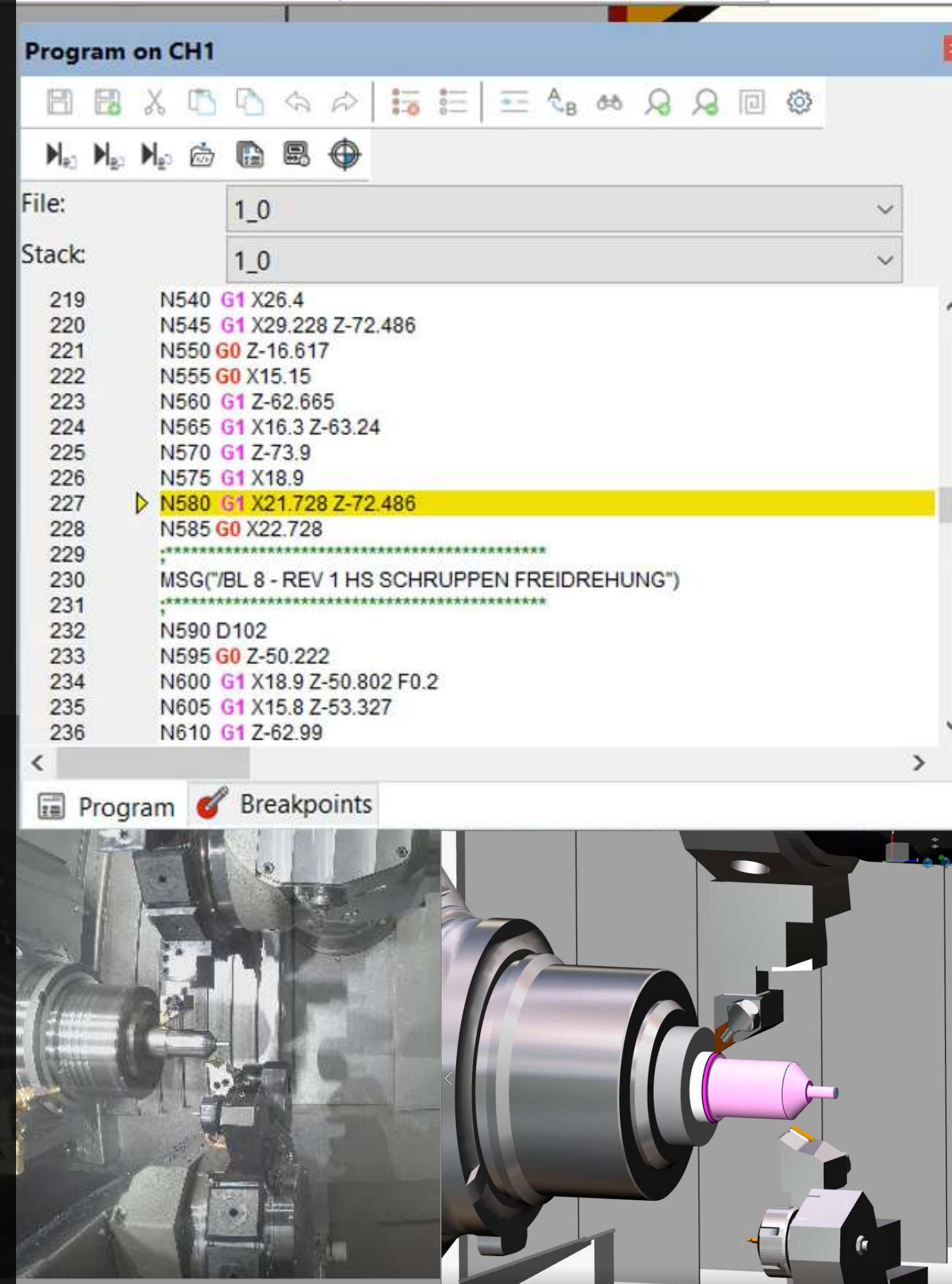
Tappers





## Main features

- ✓ Complete digital replica of the actual machine
- ✓ Emulation of the same G-code running on the actual controller
- ✓ Interfaces with many popular CAD / CAM systems
- ✓ Additive and hybrid simulation
- ✓ Simulation of tool change, head change and pallet change
- ✓ Simulation of sliding head lathes and multi-channel mill-turn
- ✓ Simulation of complex cycles and probing operations
- ✓ Real-time collision detection and cutting conditions verification





# Who uses it

Eureka  
G-Code



## FLUID-PRESS





# About us

**For over 15 years**, Roboris has been a leading developer of manufacturing software solutions. **Eureka Virtual Machining is an innovative suite of software products for the simulation and optimization of NC programs and industrial robots.**

**Roboris software is designed and developed 100% internally**, allowing for in-depth customization at any level.

Over the years **Roboris has earned a reputation of excellent customer service**, both towards our direct customers and our partners. We strongly believe that **we can provide our Customers excellent tools to increase their productivity** only combining leading-edge software technology with a constant attention to our users' needs.





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