




Eureka
Robot

Simulation and off-line programming of industrial robots



Real-time simulation with millions of movements

Eureka has been leading the robot milling applications arena for many years to create models and artistic objects.

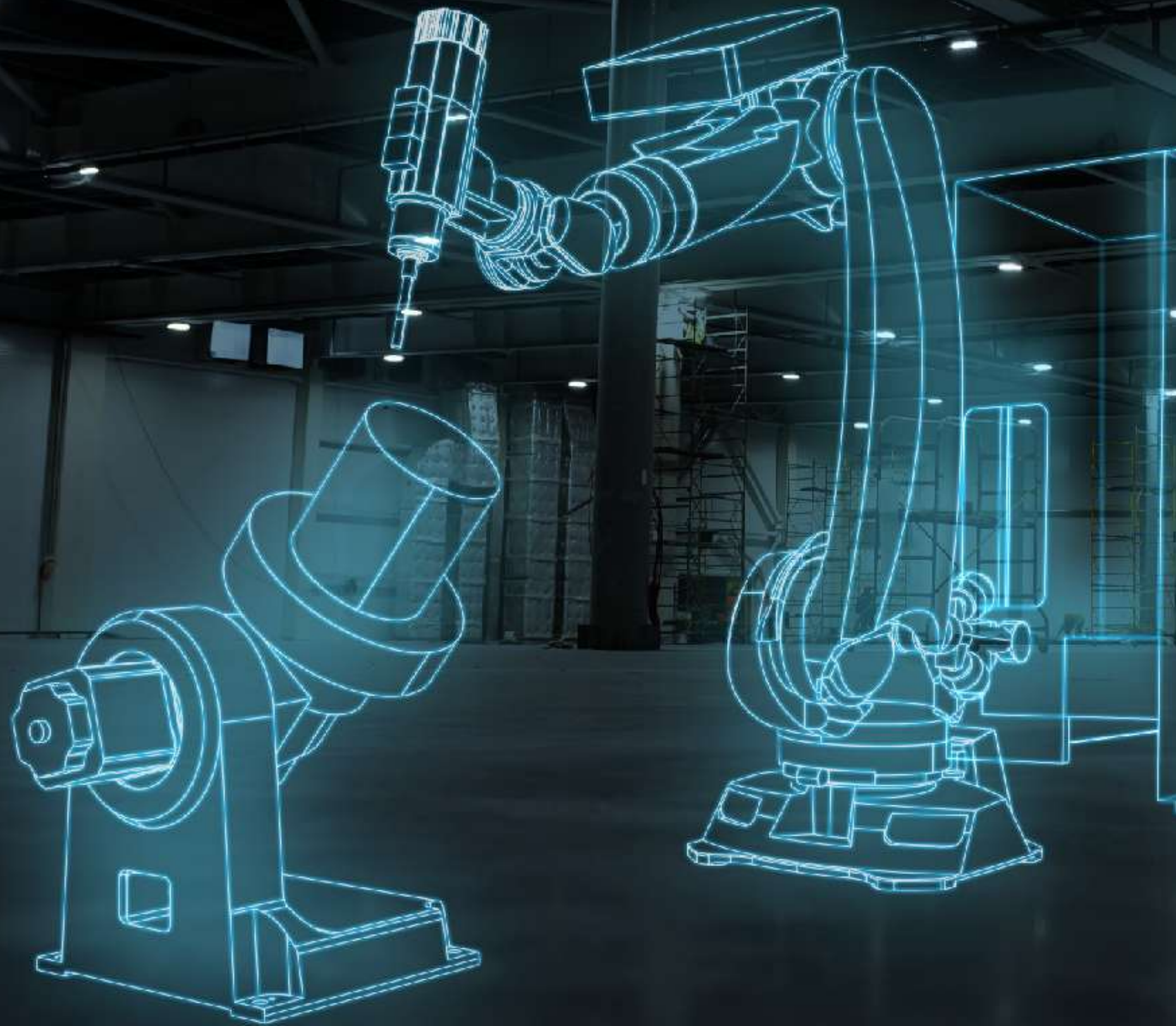
Eureka Robot combines the flexibility of a 6-axes robot with the technology of CNC machine centers for milling, deburring, gluing, washing and additive manufacturing applications.



Why Eureka Robot?

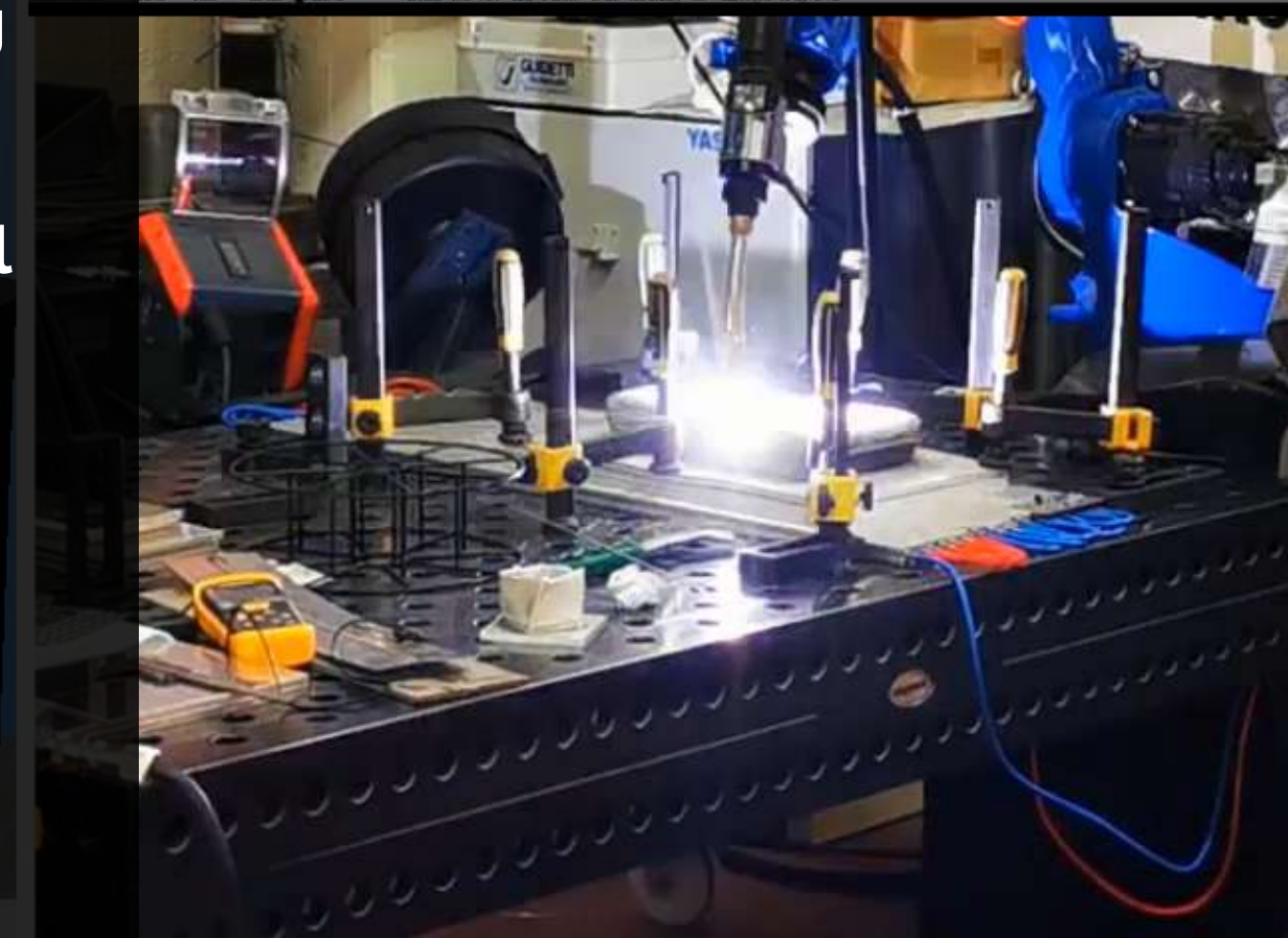
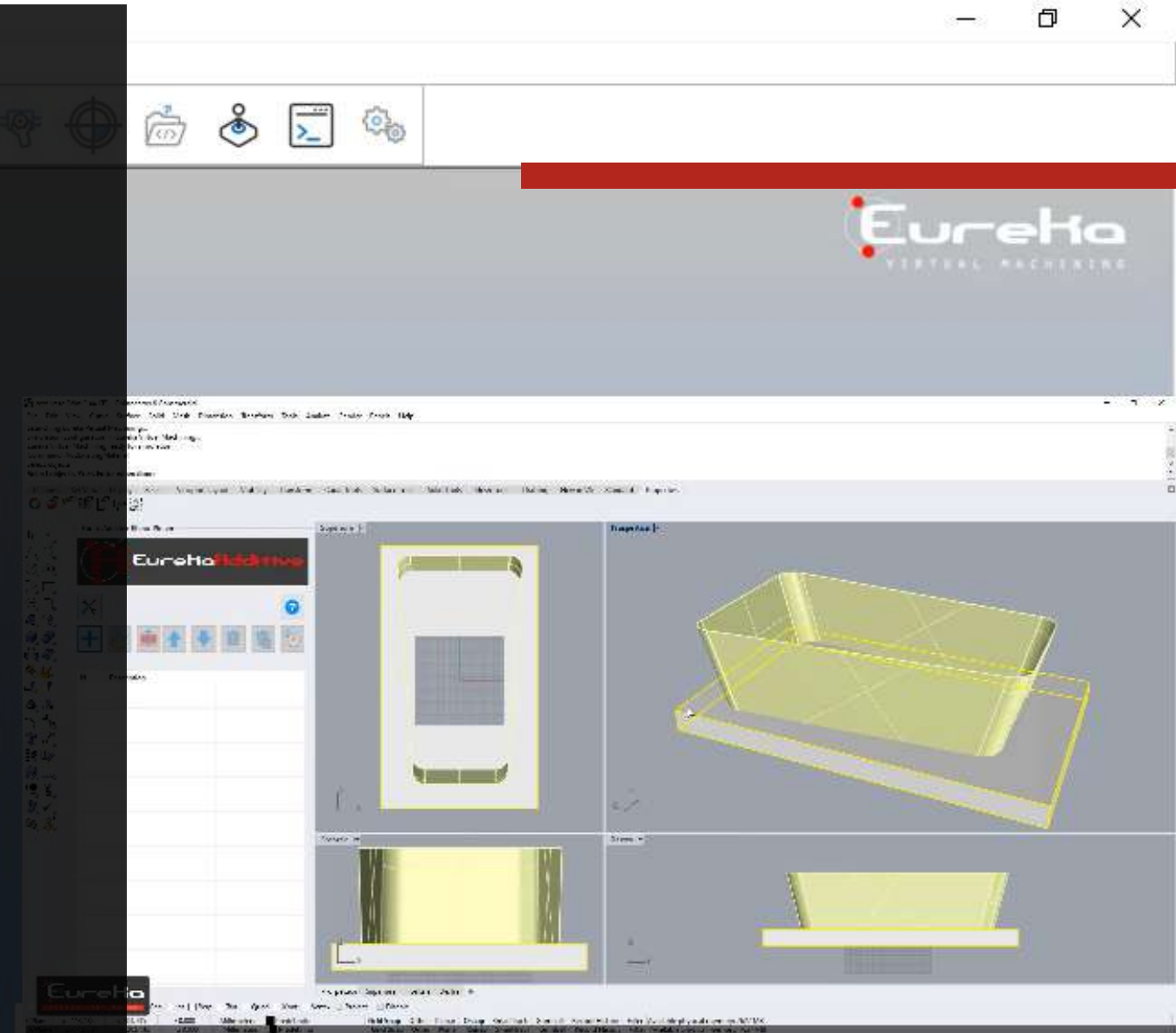
Eureka converts APT code generated by a CAM system into a program for a 6 or more axes robot cell using a dedicated post-processing module. During the conversion process **Eureka calculates the optimal movements of the robots** and of the external axes simulating all aspects of the machining.

The software detects problems like **singularities, collisions, over-travels** and offers powerful, easy to use tools to overcome them. **Collisions are computed taking into account all parts including the machined stock.**



Main features

- ✓ Realistic 3D simulation of the entire workcell
- ✓ Real time material removal simulation
- ✓ Collisions, singularities and out of limits detection
- ✓ Automatic tool change management
- ✓ Handling of large tool paths with millions of points. Interactive editing of trajectories
- ✓ Automatic robot and external axes movements optimization. Powerful visual tools for fixing collisions, singularities and over-travels.
- ✓ Designed for all the industrial robots in the market: ABB, Kuka, Fanuc, Motoman, Kawasaki, Staubli, Comau
- ✓ Can be interfaced with the most popular CAD/CAM and tool management systems





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,** for both our direct customers and our partners. We strongly believe that **we can provide our Customers excellent tools to increase their productivity** by combining leading-edge software technology with a constant attention to our users' needs.



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