V-Machine

Cubictek

User Definable CNC Simulation for Industry

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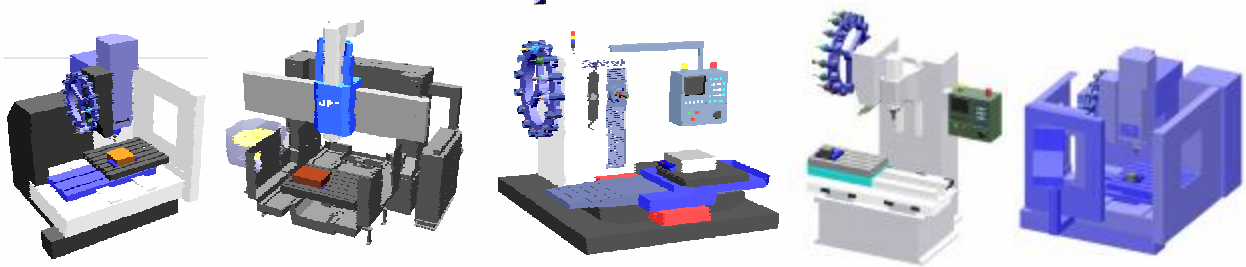
V-Machine is used for CNC Machining Process Training

V-Machine is used for CNC Basic and Advanced Training

V-Machine is used for CNC Course for education

Any CNC



Any Controller

V-Machine has been designed specifically for educational and technical training purposes.

V-Machine means Virtual-Trainer for CNC-Machine operation, Controller operation, NC-Code Programming, and Virtual reality manufacture.

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V-Machine

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Key points of V-Machine

Various Machine types
- Vertical Machine
- Horizontal Machine
- Special Machine
- Customized Machine

Various Controller
- Universal type
- Fanuc i Series
- Siemens
- Heidenhain

Perfect NC Format support
- User define
- Macro execution
- Fanuc
- Siemens
- Allen Bradley
- etc.

Collision Verification
- Collision part and location display
- Collision report
- Collision NC Block tracer

Cutting Simulation
- 3+2 Axis
- Simultaneous 5-Axis
- External work part file import

Graphic reality
- ATC, APC, JIG, VICE, HOLDER,etc.

Perfect Reproduction
- CNC Field Operation Process
- User definable tool shape
- Tool Calibration

Feature1 -CNC Machine View

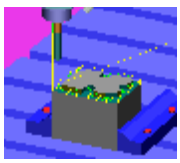
Dynamic 3D Virtual reality CNC Machine

- Different machine types according to the work part size
- Easier work part and tools setup, Easier offsets input, and Easier the cutting origin setup

Feature2 - CNC Machine Simulation

- User defined color of any object (tool, holder, work part,…)
- Different user defined color for each tool path
- Complete collision check and showing color distinguished

User Definable color



User Definable tool-path color

Collision Check

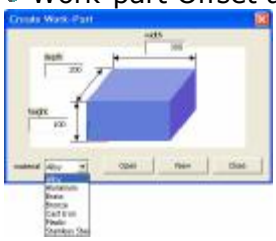
Feature3 - CNC Machine Simulation

- Various controller Types (Fanuc Series/Siemens/Neutral type)
- Controller Panel including MPG, Mode switch, DryRun, Single Block and other operators like real Panel
- NC Code analysis in the real time /NC Grammar Check

Feature4 -CNC Machine View

Work Part

- Support STL File format (Export/Import)
- Load Work-part function
- Work-part Offset and Rotation function

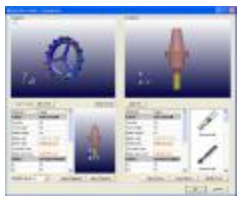


Work-Part Create

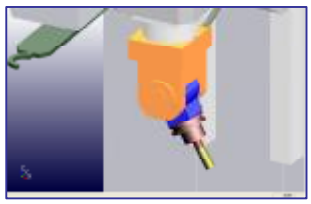
Load Work-Part Create

Feature5 - Tool & Magazine

- Various shape of tool support
- User definable Tool & Holder/ Magazine
- Attach part define for machining by import (STL)/ATC Simulation



Magazine Define Window



Attach Tool

Feature6 - Jig & Fixture

- Various Jig & Fixture/Fixture offset function

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