

Educational Simulator

- CNC Machine Simulator : V-CNC

| About | Case Study | Testimonial | Package |

About

Introduction



V-CNC system analyses a NC code programmed, and transmits machine-commands to the virtual controller. The Virtual CNC machine simulates the NC code in the 3-dimensional environments.

V-CNC is educational software for machining part based on PC environment. Trainer can achieve high efficiency in CNC education with lowbudget.

V-CNC System which is a new educational trainer equipment for providing 21C will be a good partner.

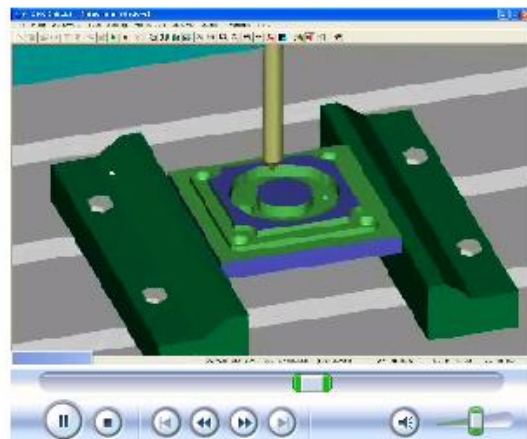
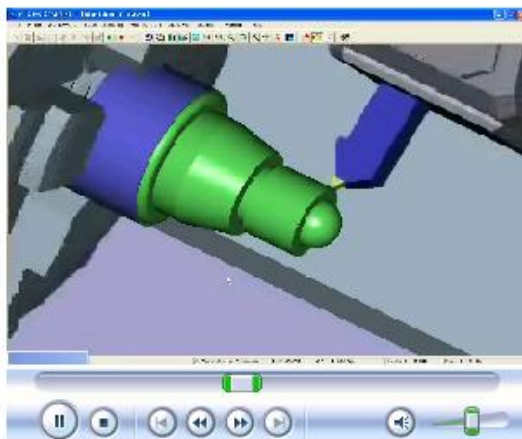
V-CNC V4 Feature

- Easy program : Machining process wizard and animation function for each Process
- Realistic simulation : Enhancement for virtual machine and NC Data analysis function
- Accurate verification : result dimension verification, tool path and add over/under cut verification function
- Provide national authorized test: develop the Exam CNC providing Provide national authorized test by CNC simulation

Function

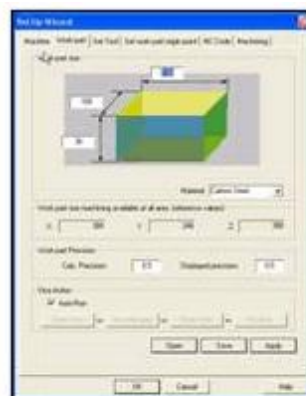
Virtual CNC Machining View

- 3D Machine realization as same as real machine
- Offers cutting simulation by NC Code real-time analysis
- Easy work-part setting and cutting zero-point automatic setting
- offer various Tool library





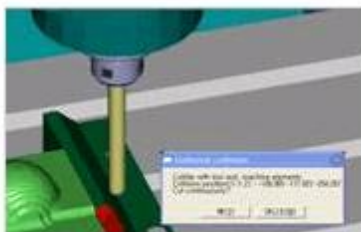
Tool Library



Work-Part

controller screen and controller panel

- Identical screen display with real controller
- cutting Undo function
- adjust Feed-rate and offer MPG(Manual Pulse Generator)function
- Execute Sing Block and Dry Run function
- When it occur error, offers various alarm



Collision Check



Fanuc controller



Siemens controller

Work-part verification

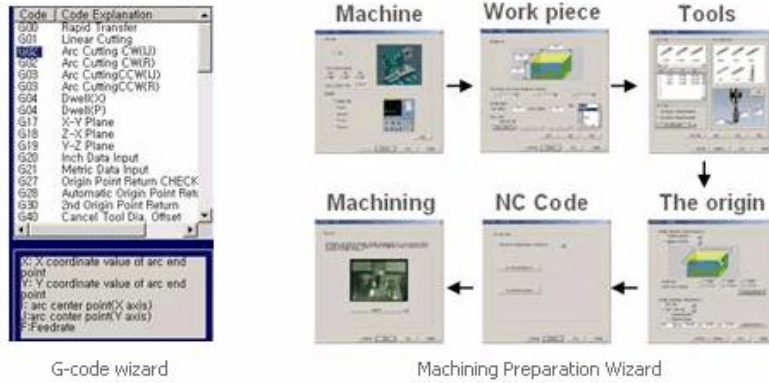
- * Dimensional check
- Measures the machined work piece
- Saves and prints the drawing
- Displays any coordinates by clicking
- Measures the distance between two points
- View any sections, displays dimension and save the drawing

Training Support

- NC Code wizard function
- Machining Preparation Wizard
- 2D CAD/CAM linked education
- Interface with DNC(RS232C)
- Printing the tool path and the current view

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System Requirements

	Minimum	Recommendation
CPU	Pentium III	Pentium IV
MEMORY	64MB	128MB
HDD	300MB	500MB
GRAPHIC	1024X768	1024X768
VRAM	16MB	32MB
O/S	Windows NT / 2000 / XP	