

## How do you test a new CNC program?

Do you run the program block-by-block?

Do you waste time air cutting?

Do you verify CNC programs using machinable wax?

Do you modify your NC program during the prove-out?

Do you experience collisions?

Have you ever broken any fixtures, tools, or machine components?

If you answered YES to any of the questions above, you need NCSIMUL Machine

## Benefits of NCSIMUL Machine

Save time, money and equipment

- Test your program on a PC; keep your CNC machine running
- Eliminate manual prove-outs
- Secure your machine environment and avoid crashes
- Train new employees in shorter virtual sessions and eliminate risk
- Optimize cutting conditions and improve productivity
- Standardize shop floor documentation in no time and collaborate with your internal team, suppliers and customers

Image courtesy from TROCHET AMGGC



*"Countless man and machine hours are saved, since we don't have to verify step by step on the machine"*

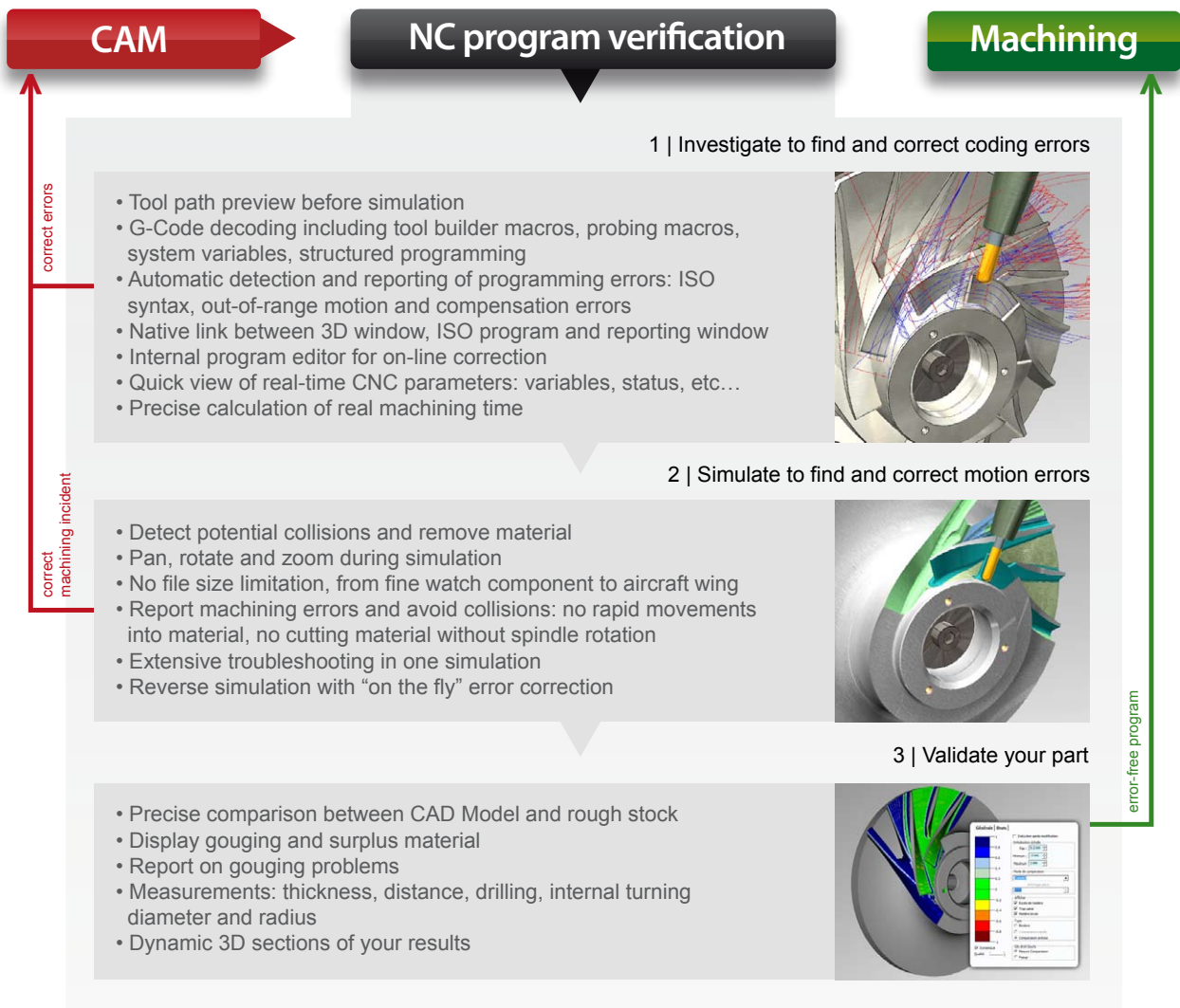
Dean Dancer / Manufacturing Manager / Hutchinson Inc

## The NCSIMUL Machine Difference

- **Read and simulate** any G-Code and machine tool builder macros
- **Preview** tool path and detect errors before simulation
- **Interact easily** between 3D window, G-code program, and information windows
- Preview machine movements and material removal with graphical 3D technology and dynamic zoom capabilities
- No machine is too complex: NCSIMUL Machine supports an **unlimited number of channels**
- Launch all major verification tasks from a **single screen**
- **Turnkey solution** which includes machine license, service and support at no additional cost



# NCSIMUL Machine, verify your NC programs in three steps



## Two additional options to improve your productivity

### NCdoc<sup>®</sup>

Shop floor documentation

- Create 3D simulation movies for collaboration with your suppliers and customers
- Produce technical documentation for the shop floor quickly and easily
- Generate customizable inspection reports

### Optitool<sup>®</sup>

Optimize your cutting conditions

- Analyze the actual cutting conditions
- Reduce air-cutting
- Optimize feed-rates into material
- Write new G-code file



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