



# NCSIMUL

## The complete CNC machine verification solution

### 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?

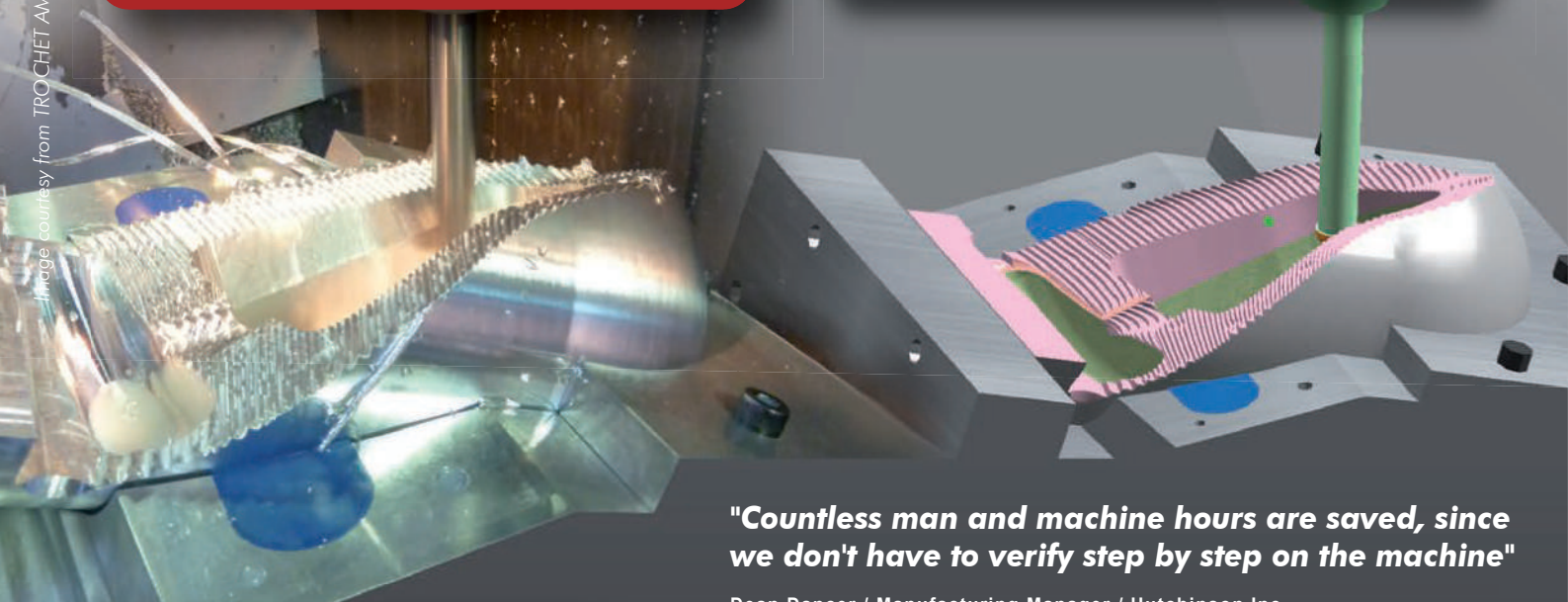
If you answered YES to any of the questions above, you need NCSIMUL

### Benefits of NCSIMUL

#### 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

### Exclusive features

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 supports an unlimited number of channels

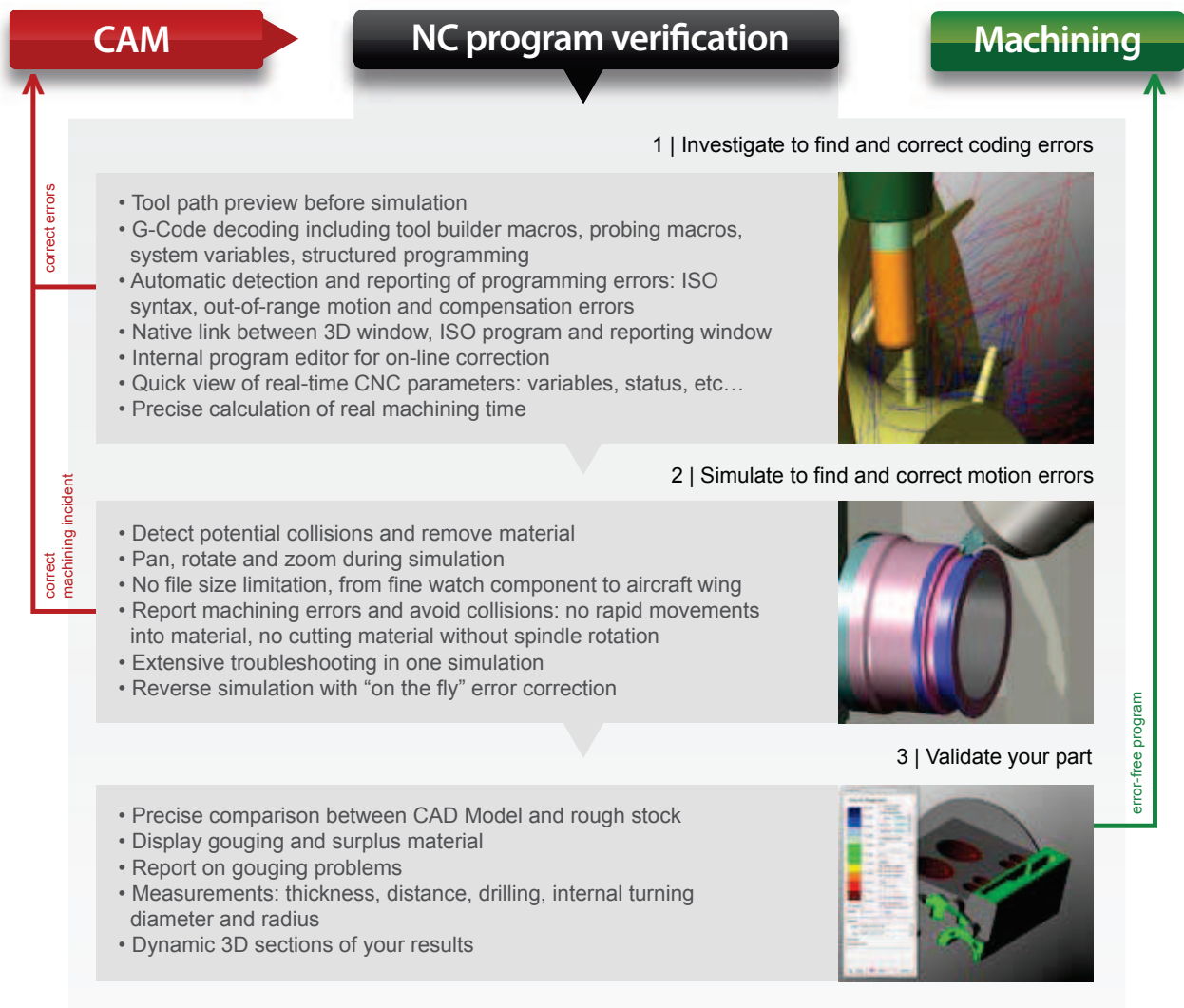
Launch all major verification tasks from a single screen

Turnkey solution which includes machine license, service and support at no additional cost

www.ncsimul.com



# NCSIMUL, Verify your NC programs in three steps



## Two additional options to improve your productivity

### NCDDOC®

Standardize your 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®

Optimize your cutting conditions

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

 **SPRING Technologies**

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#### Phone

+33 (0)1 43 60 25 41

#### E-mail

[contact\\_gb@springplm.com](mailto:contact_gb@springplm.com)

#### Web

[www.ncsimul.com](http://www.ncsimul.com)

#### Support

<https://support.springplm.com>

Immeuble Le Mèliès - 261, rue de Paris - 93556 Montreuil - France