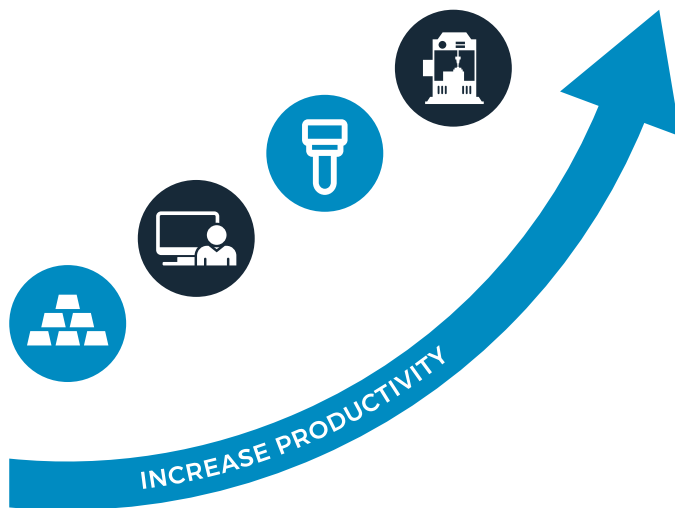


G ZERØ FIVE

MACHINE

Reduce production costs:
Master your shop floor challenges



Increase Productivity

- Zero raw material waste
- Zero scrapped parts
- Lights-out Machining
- Eliminate prove out times
- Keep your machines from crashing
- Reduce downtime & set-up time
- Increase Overall Equipment Effectiveness
- Use the right tools adapted to the toolpath & the machine
- Decrease cutting tool costs
- Increase tool life

G-code validation in 3 steps:
Perfect results with high speed

3 Step Process:
No time loss. No iterations

1) G-Code Analysis

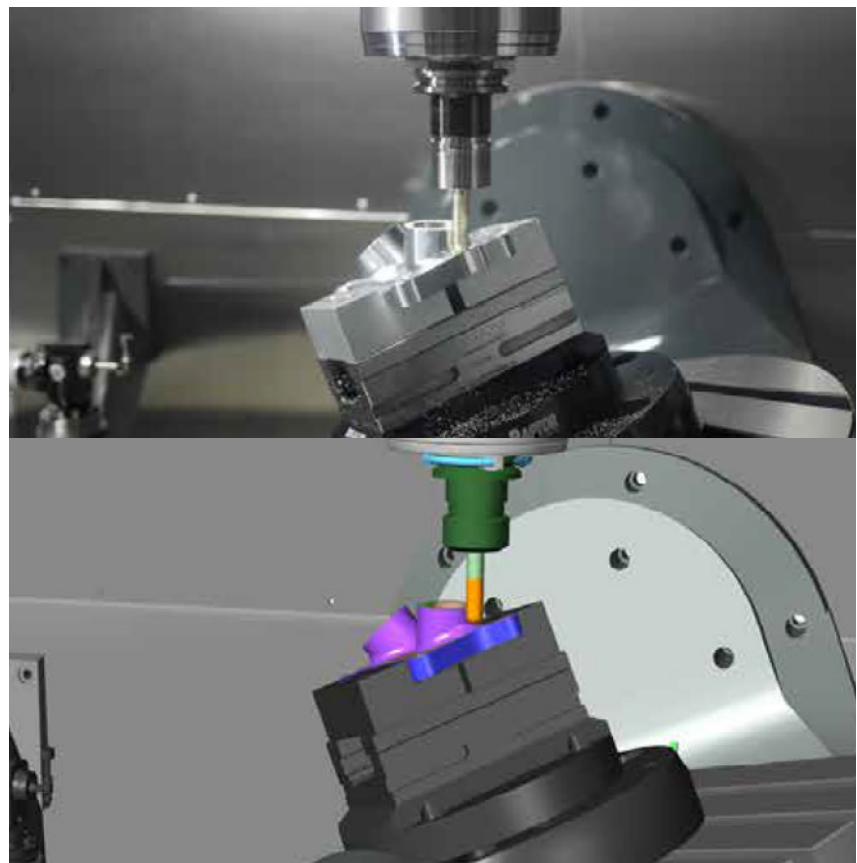
- G-code decoding
- Full program verification
- Interactive tool path visualization
- Automatic error detection
- Accurate estimate of cycle times

2) Motion Verification

- Realistic simulation and material removal
- Detection of machining errors/ collisions (rapid/spindle stopped in material, clipped part set-up, etc.)
- Probing macros included

3) Part Validation

- Compare with the design model
- Display gauged/ excess material
- Measure thickness, distance, drilling, etc.
- Dynamic 3D





AUTOMATED, DIGITAL & EASY-TO-USE PROCESS FEATURES

Easily integrated to your existing software system with CAM interfaces and tool management.

No machine is too complex.

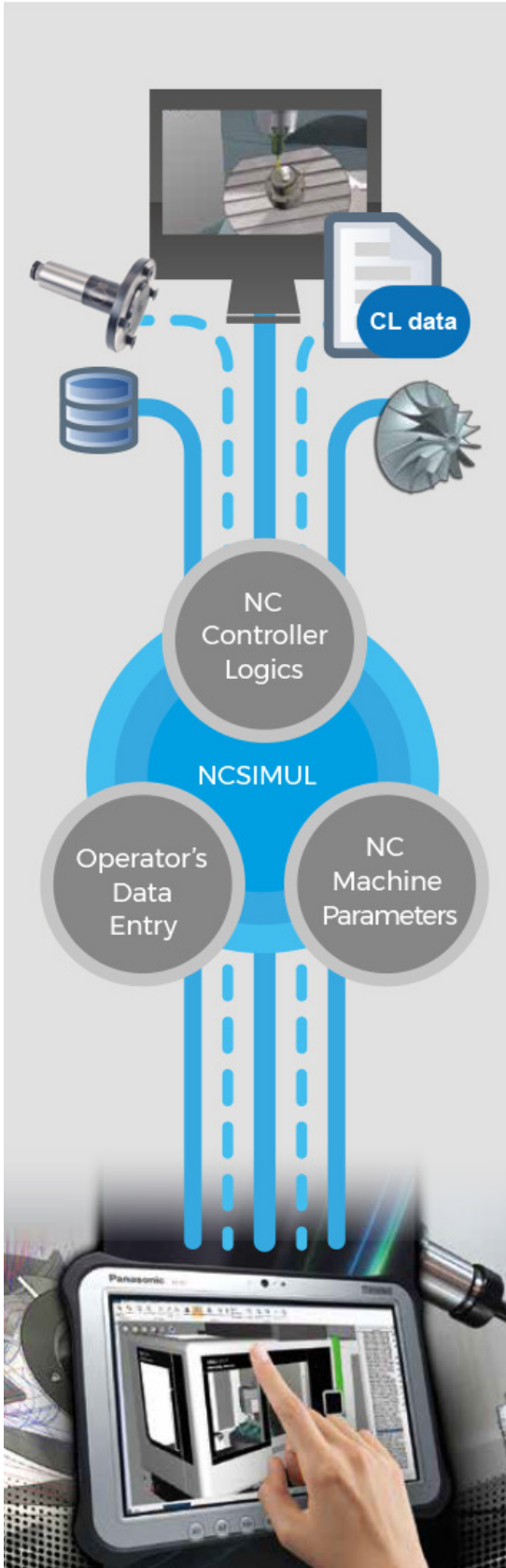
Simulation accounts for complete machine parameters:

- Initial positioning of the part on the table
- Clamp addition/removal during machining
- Part rotation/translation between 2 programs
- Manual tool mounting
- Operator data input
- Command validation
- Decodes G & M-codes
- Tool compensations (diameter, length)
- NC Controller logic
- Calculate cycle times (block by block or cumulatively)
- Machine kinematics
- Machine limits
- Maximum feed rate and the direction of each axis
- Spindle torque
- Axis acceleration/deceleration

Collaborate interactively with operators, customers & suppliers on your virtual machine environment - in real-time:

- Generate technical data sheets to communicate with the shop floor
- Share automatically 3D videos to be shared via computers or mobile devices

Capitalize on the digital workflow





AUTOMATED, DIGITAL & EASY-TO-USE PROCESS FEATURES



Validate your parts offline

- Safe and collision-free machining
- No tool, head or spindle breakage
- Eliminate need for dry-runs
- Increase safety for machine operators



Speed up your part's production

- Reduce set-up time
- Avoid CNC downtime due to crashes
- Prove out G-codes on your computer before machining
- Optimize production



Optimize resources and machining results

- Part machined correctly the first time
- Avoid waste of raw material
- Confidently run your machines unattended

10X
faster

G-code calculation

70%
reduced

Set-up times

100%
safe

Machines & Tools