



NCSIMUL
DNC

NC program lifecycle management
Real-time machine status monitoring

How do you manage your NC program lifecycle?

Errors caused by manual actions appear in the NC program

You spend too much time transferring your NC programs to your CNC machines

Changes you make to your programs are not traceable

You use multiple systems to transfer your CNC programs

The NC program uploaded was not the right version

If you checked ANY of these boxes, you need NCSIMUL DNC

Benefits of NCSIMUL DNC

CONTROL your machine network
MANAGE your program lifecycle

- A single secure transfer system for all your machines
- Machine status monitoring, in real time, with details of outputs, failures, downtime, setup, etc.
- Complete lifecycle management program and full traceability (versioning, revisioning)
- Reduce downtime with fast and secure NC program transfer
- Increase machine productivity
- Ease of use



"Transfer, management and traceability of machining programs"

The NCSIMUL DNC Difference

- **NC program lifecycle management** and **full traceability** of program-related information (version, status, certifications, etc.)
- **Real-time machine status monitoring:** machine status (outputs, failures, downtime, setup, etc.) and no-production alerts
- **Automatic report generation:** activity report, situation analysis and production improvement plan
- **All types of NC links are supported** and supplied standard (RS232, Ethernet, NFS, Mazak, etc.)
- **Interface with an ERP or Production Management package** providing links to work/planned orders, the module provides feedback on productivity rates (OEE, ORR, EIRR) in a single click
- Support for **NFE60-180 indicators:** Overall Equipment Effectiveness (OEE), Overall Rate of Return (ORR), Economic Internal Rate of Return (EIRR)



NCSIMUL DNC, feel the pulse of your digital workshop

G-code Validation
NCSIMUL Machine

NC program lifecycle management
NCSIMUL DNC

Machining

Machine status monitoring
NCSIMUL DNC

1 | Machining program transfer to the NC machines

- G-code validated: automatic machining program to CNC machines
- Upload NC program from the NC console: saves operators from moving
- Possibility of passing mode if machine memory too small to contain all the program code
- A **simple, intuitive** and **completely** customizable interface:
 - Working interface customizable according to user rights and profile
 - All events impacting on NC program recorded in a log (profile-based)
- Interconnection with all machine types
- **Single system** for all your NC program



2 | NC program management and traceability

- Program modification and backup
- Program version **comparison**
- Invalid versions recalled
- Version confirmation
- Modification through editing command
- **Smart traceability** through configurable scenarios, to current G-code standards



3 | Real-time machine status monitoring

- **Machine / workshop productivity monitoring** in real time (output, failure, downtime, setups, etc.)
- **Automatic activity report generation** to enable specific situation to be analyzed and more efficient production planning
- Status reporting also enables execution of quality scenarios and more sophisticated supervision processes
- Single-click access to productivity rates (**OEE, ORR, EIRR**) via the ERP interface



NCSIMUL MACHINE[®]

CNC realistic simulation

- Avoid collisions / Eliminate physical tests
- Certify programs downloaded on to your machines

NCSIMUL Player[®]

Share your CNC simulations

- Share your simulations with workshop personnel
- View your simulations on the DNC

NCSIMUL PUBLISHER[®]

Publishing technical content

- Organise your production-related content
- Automate the circulation of your technical documentation

NCSIMUL TOOL[®]

Cutting tool management

- Make your machine tool installation cost-effective
- Generate your tool list when you transfer programs

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