

NCdoc™: automatic generation of technical sheets and 3D movies for Workshop operator.

Re-collection of already existing data is fastidious and risky (because of the errors and mistakes it implies). NCdoc™ functionalities allow you to avoid such a situation:

- Work process sheets are edited from NCSIMUL data, which are integrated in pre-formatted sheet models.
- The file is then linked to NCSIMUL job and available in a standard format to be sent to the Workshop.
- A 3D movie of the simulation is generated.

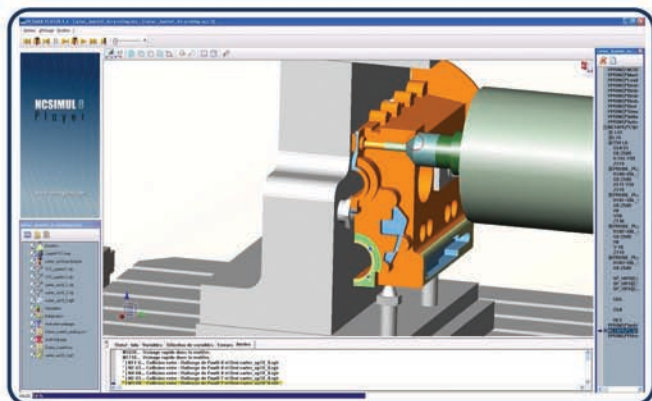
NCdoc™ helps you capitalizing and standardizing your company's know-how and processes.

The machining information file and the 3D movie playing the simulation of the ISO program are automatically generated.

No need anymore for the CAM programmer to waste time on a word processing software and/or screenshots to create technical sheets: with the 3D simulation movie, no need either to load the program on the machine to test how it behaves.


Examples of 3D movie applications by NP3™ viewer

- **Virtual visualizing of the machining process** in the Workshop before starting up the machine
- **Exchanges with a machine-tool supplier** about the machining process
- **Program set-up with a programming subcontractor**



Examples of documents generated by NCdoc™

- **Process sheets:** they display information about the machining process (conditions, spindle speed, feeds), correction data (made for estimating tool geometries in real length), comments and machine stops.
- **Initial configuration sheets** (at the beginning of the program)
- **Tool sheets** (depending on the tools loaded in the program)
- **Customized sheets**
- **Time summary sheets**

L'ATELIER NUMERIQUE		TECHNICAL SHEET		Page : 2 / 31	
NCDOC		Title :	indice : XXX		
Part Name :	637319-01-	Phase N° :	Machine Tool :	HAAS_VF6TR	
Ncsimul user :	Demo_HAAS	Part Description :	Ncsimul routing : 637319-01.M01_70038		
Tool :	Description :				
1	FRAISE_APTS				
Total sequence duration :		Cutting time :	Rapid time :	Various time :	
29s		16s	4s	0s	
Cumulated time :					
Tape : 70038.tap		Sequence : Sequence 1/20			
Comp N°	Comp N°	Spindle	Feedrate	Radius	
Radius	Length	5 rpm	average F	comp.	
				Description	
1	1	7500	1662	Left	
/ NC SEQUENCE NAME					

NCdoc™, the Workshop machine operator gets both well detailed work instruction files along with a 3D movie of the simulation.

"With NCdoc™, the numerical chain is extended right next to the machine!"

* NCdoc™ is a NCSIMUL optional module.

* NCdoc™ module features NP3™ viewer.