

The Professional Choice for CNC PROGRAM MANAGEMENT

Management of part programs and associated production documents is often a time consuming task for CNC programmers and operators. CIMCO NC-Base takes care of that job and goes one step further. By providing an integrated and highly flexible management, search and editing environment, programmers and operators are guaranteed to work more effectively.

Information Management

Achieving product and quality goals today requires that the correct information and data get to the right individuals and equipment as efficiently as possible. NC-Base is the CNC program management tool that allows you to organize and manage your CNC programs and related production documents most effectively through the use of a reliable and fast SQL relational database.

CIMCO NC-Base is production centric, designed to be used by people in the programming department and on the shop floor. With NC-Base CNC programmers and production staff can assemble virtual folders containing all the necessary data used by machinists, operators, quality staff, and others who are responsible for finished parts.

Why just send CNC programs to the shop floor when you can also provide setup sheets, tool lists, images, and other vital information required to manufacture parts? This information may be accessed from PCs running the NC-Base Client or printed out for manual distribution. Either way, NC-Base helps ensure the right part gets made right every time.

CNC operators can access and update the database directly from the CNC control, or any PC on the shop floor.

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Explorer Logoff Database	ast 24 Locked Fir lours Dele Search		pen <u>A</u> dd • Program • Pr Program	Copy Associate ogram • File(s) • m	Delete	
🔯 NC-Base						
	Program	Description	Drawing n	🥳 Reference	Modified	
Find programs	■-R1001	SAMPLE PART	DWG1001-A1	PN01-1001	11-08-2004 18:1	
Program:	■ R1002	SAMPLE PART	DWG1002-A1	PN01-1002	11-08-2004 18:1	
i iogram.	➡ R1003	SAMPLE PART		PN01-1003	11-08-2004 18:1	
· · · · · · · · · · · · · · · · · · ·	⊞R1004	SAMPLE PART		PN01-1004	11-08-2004 18:1	
Reference:		POCKET EXAM	DWG1005-A1	PN01-1005	11-08-2004 18:1	
	■ R1006	SAMPLE PART		PN01-1006	11-08-2004 18:1	
Drawing number:	- 👸 R100	Program file	Fanuc 0M\R100			
	- Te R100	Tool List	Fanuc OM\Tool\ Fanuc OM\Setu			
	- 📸 R100	Setup Sheet	Fanuc UM\Setu Fanuc 0M\Other			
Description:	6-2-61	JPEG Image	Fanuc UM\Other			
		SAMPLE PART		PN01-1007	11-08-2004 18:1	
Machine:		SAMPLE PART		PN01-1007	11-08-2004 18:1	
		FI EPHANT	DWG1009-B1 R	PN01-1009	11-08-2004 18:1	
Customer:	■ R1010	WABBIT HUNT	DWG1010-B1 R3	PN01-1010	11-08-2004 18:1	
	■	KNOB OR SWIT		PN01-1011	11-08-2004 18:1	
•	■ B1012	SAMPLE PART		PN01-1012	11-08-2004 18:1	
Status:	T					
•	Fanuc OM\R1003	.NC				
	01003					
X Search		RT: PN01-10				
Advanced search		AW:DWG1003				
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	N0040 (CUST:SUPER PARTS INC.)					
	N0060 G99	-				
	N0070 M11					
	N0080 G45 T1 (BALL ENDMILL DIA 6 OFF 46)					
	N0090 G99 PA1 S10000 M3					
	N0100 G0 X50.25 Y24.1966					
	N0110 Z25. M7 N0120 Z1.05 M8					
	N0120 21.					
	N0140 G1	<u>Y-2</u> .3316 z	.1236 F600			
	<					
Found 200 programs.						

NC-Base provides a highly flexible management, search and editing environment

program	B1005	AMPLEPAN	programs, their associated document and more
Reference:	R1006	SAMPLE PART DWG1008-A1	N0030 N0040 (CUST: SUPER N0050 G341 N0050 C99 M10
Drawing number:	R1008	ELEPHANT WABBIT HUNT DWG1010-B1 R3 DWG1011-A1 R3	N0060 G99 11 35R5)
Description:	€ R1010 € R1011 € R1012		N0090 50 XO. Y-95



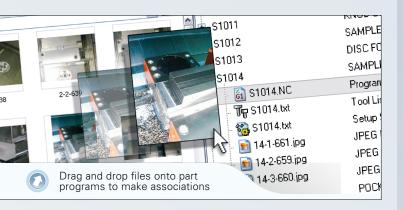




Product **HIGHLIGHTS**

Storage and Retrieval

Effective storage requires an organized framework for managing and accessing vital production information. Using industry standard relational SQL databases like Microsoft SQL and MySQL, CIMCO NC-Base provides a fast, flexible, and reliable system for all your production information.



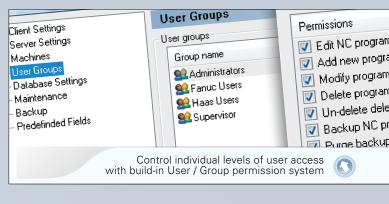
Documentation

Associate all types of production data with your CNC programs to minimize mistakes and scrap. You may associate files created outside CIMCO Edit such as tool lists, setup sheets inspection notes, etc. or have them created automatically from data contained in your CNC program. You may also launch external applications for viewing or editing of all file types.

Version Control

CIMCO NC-Base features a comprehensive, yet easy to use, version control system that automatically tracks any changes made, not only to the CNC programs, but also to associated production documentation. Every version of a file is stored in the system, along with information about when the change was made, who made it and why it was made. The operator can at any time create a new version or restore an older version. Using the integrated compare function, different version can be quickly compared side by side.

User	13:54:50	3 Program A
ADMIN	13:54:32	3 Program C
ADMIN	13:53:37	3 Program F
ADMIN	13:53:04	3 Program f
ADMIN	13:53:04	3 Backup c
ADMIN	13:53:04	2 Program
ADMIN	13:51:24	2 Program
ADMIN	13:51:16	2 Program
Automati	cally track changes made to and associated documentation	2 Backup 1 New pro



User Management

Controlling who can access and modify information is a critical component in any information management system. CIMCO NC-Base achieves this by using a highly flexible user/group permission system that allows the administrator to specify who is allowed to view, modify, approve files etc.

System Integration

CIMCO NC-Base is fully integrated with the DNC-Max, CIMCO's flagship CNC networking solution, allowing operators to request and retrieve CNC programs or save "as-run" CNC programs directly from the CNC control or NC-Base client.

CIMCO NC-Base integrates seamlessly with most CAD/CAM applications. Using the auto import function programs generated in the programming department are automatically imported into the database. Existing ERP/PDM systems can extract data directly from the SQL database. Program information can also be exported to text files, MS Excel spreadsheets, etc.

-R1002	SAMPLE PART	DWG	Edit File Notes	
	SAMPLE PART	DWG1		
R1003	Program	Fanuc 📰	View Version Report	
📓 R100	Tool List	Fanuc 🔎	Send	
T _F R100	Setup Sheet	Fanuc	Receive	
🗞 R100		Fanuc		
💽 3-606	Photo	DWG: 🖻	Copy Program	
B-R1004	SAMPLE PART	DWG.	Copy File(s)	
B-R1005	POCKET FXAM			
B1006	Integrates seamlessly with CIMCO DNC-Max and most CAD/CAM systems			
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Automated backup

Using the NC-Base backup server, a complete backup of all the information in the database, including part programs, associated production documentation etc. is automatically performed every day. In case of a backup failure system administrators are automatically notified by e-mail.

Reseller

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