CIMTECH
Automation Consultant

SUPER-DNC
the advanced precision / mould industry solution

WIRELESS SUPER-DNC AND ETHERNET SUPER-DNC IS AVAILABLE NOW

MACHINING CENTRE

LATHE

LATHE

ETHERNET CABLE (CAT5) OR WIRELESS (802.11b) OR OPTICAL FIBRE OR SERIAL CABLE

OTHER SUPER-DNC SYSTEM

SUPER-DNC

CAD/CAM

MACHINING CENTRE

LATHE

MACHINING CENTRE
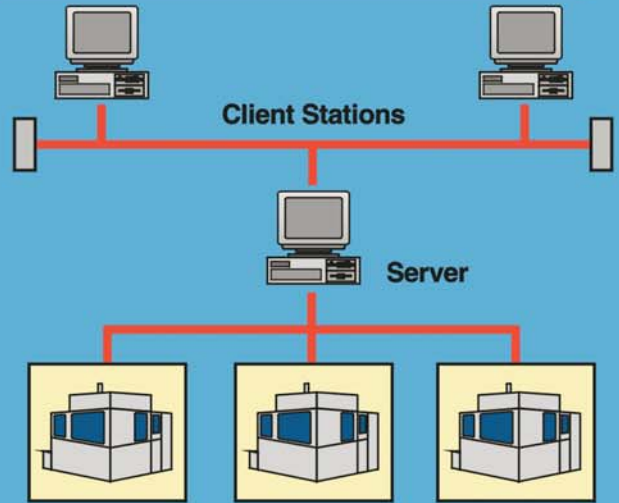
MACHINING CENTRE

LATHE

SUPER-DNC brings modernisation to your machine shop floor. In all of today precision engineering/mould making factories, NC programs are the most precious assets besides the machines. **SUPER-DNC** provides you the most efficient solution to safeguard your investment. **SUPER-DNC** solves your daily manufacturing problems, thus achieving higher productivity and efficiency.
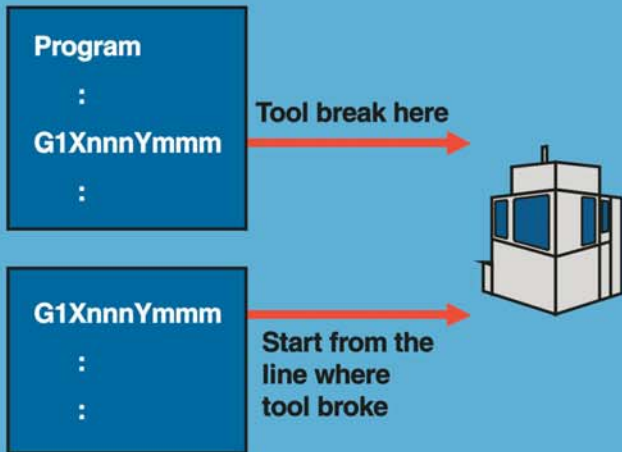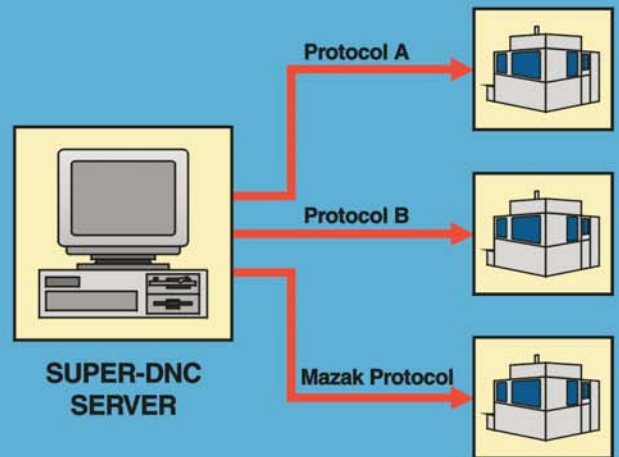
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STANDARD FEATURES OF SUPER-DNC SYSTEM
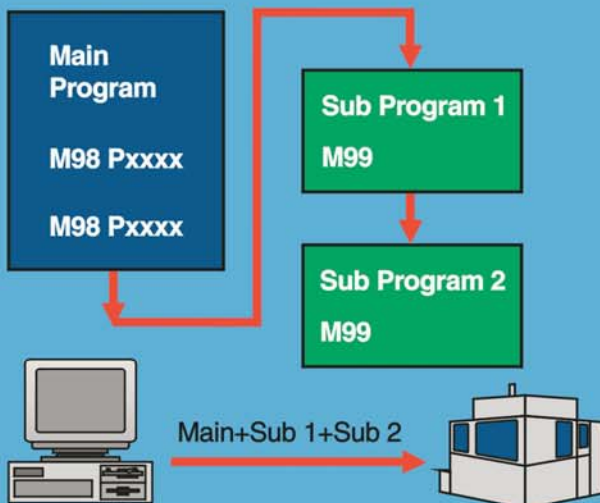
SUB PROGRAM CALL

Main Program

M98 Pxxxx

M98 Pxxxx

Sub Program 1

M99

Sub Program 2

M99

Continuous DNC
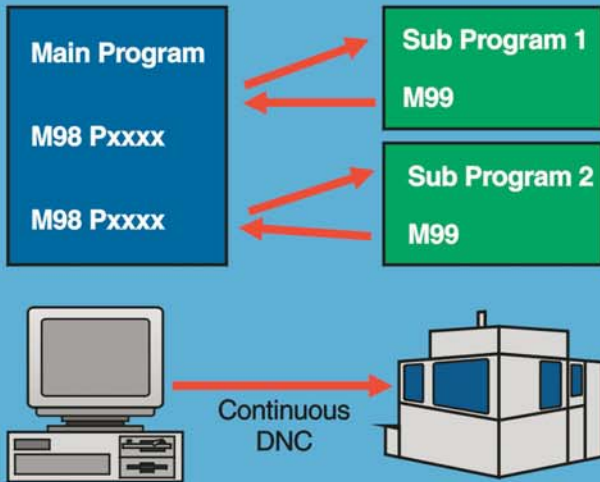
CLIENT-SERVER CONFIGURATION

Client Stations

Server

Start cutting from any program line

Program
:
G1XnnnYmmm
:

Tool break here

G1XnnnYmmm
:
:

Start from the line where tool broke

Special Protocols for CNC Machines

Protocol A

Protocol B

Mazak Protocol

SUPER-DNC SERVER

Auto-Search for sub programs and send to machine

Main Program

M98 Pxxxx

M98 Pxxxx

Sub Program 1

M99

Sub Program 2

M99

Main+Sub 1+Sub 2

Notify user for events such as cutting finish

＊Option

Cut Finish

Cut Stop

SUPER-DNC SERVER

＊Modem

Email

Mobile Phone

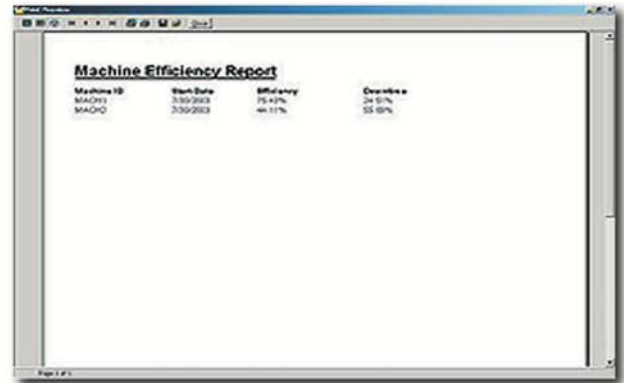＊ Special GPRS data modem is required for sending SMS message.
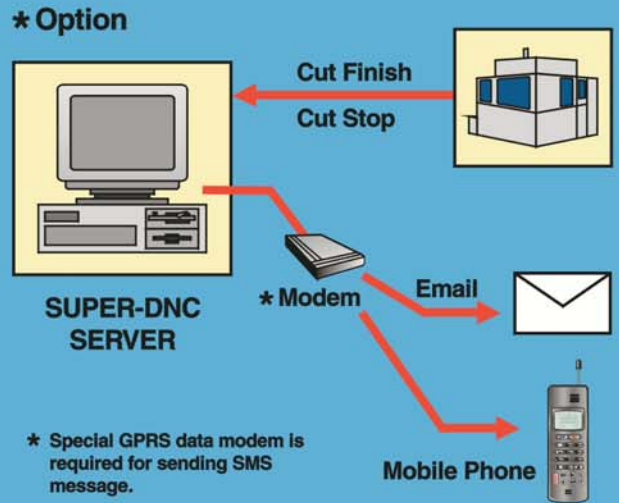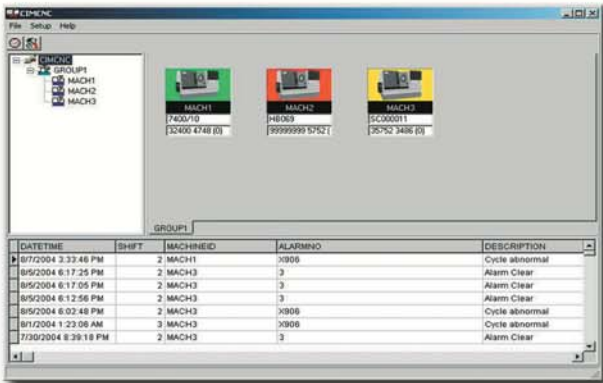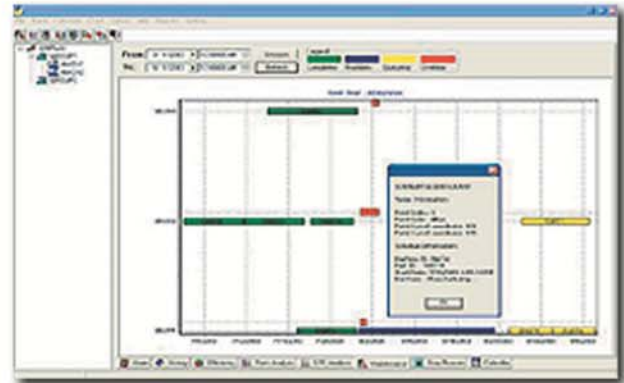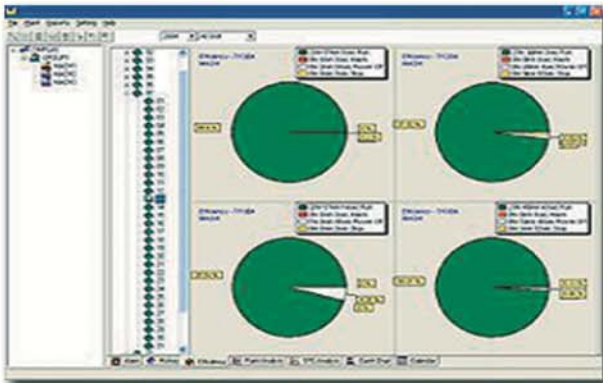
COMPANION PRODUCTS

CIMCNC OPTION

Centralized Management Control System Linking CNC Machine Factory.
- Help customer to track machine utilization, machine efficiency, cycle efficiency, machining progress, machine stop reasons and other critical production factors.

TOOL PRESETTER SOFTWARE OPTION

Tool Presetter Software Linking Tool Presetter to CNC machines.
- To help customer to prevent typing error when input X and Z value. To alert customer of abnormal value which exceeds the preset tolerance.
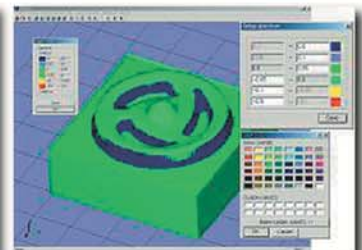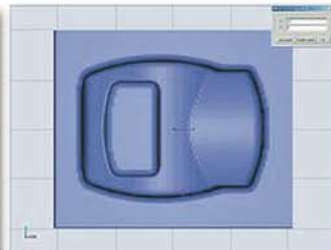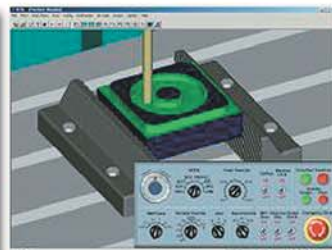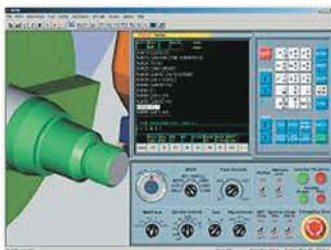

CNC EDITOR & BACKPLOT OPTION

CNC Editor & Tool Path Simulation.
- To help user to create CNC program and verify the tool path of CNC program.
- To avoid trial cutting error.

V-CNC OPTION

3D Solid CNC Simulation Software for education and technical training purposes. The software includes virtual machine and virtual controller (Fanuc and Siemens)
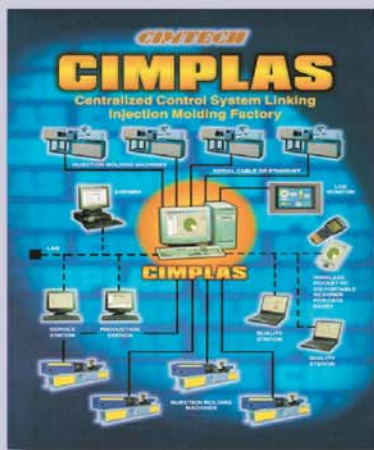
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## SUPER-DNC SPECIFICATION

Computer Configuration	Operating System	Windows XP, Windows 2000/2003, Windows NT or Windows 9x
	Hardware	Pentium III PC or above
	Memory	256 Mbyte and above
Communication	Transfer Speed	Standard : 2 machines simultaneously at 38400 bps and 6 machines simultaneously at 19200 bps. Option 1 : 8 machines simultaneously at 38400 bps.
	CAM System Linkage	Maximum 100 meter using CAT5 wire (Ethernet network), wireless (802.11b)
	Protocol	Reader/Puncher Interface Protocol, Protocol A, Protocol B, Mazatrol, Heidenhain
	Transmission Medium	Standard : RS232C (9600bps at 15m or less) Option 1 : RS422C (19200bps at 1.2km or less) Option 2 : Optical Fibre (19200bps at 2km or less) Option 3 : Wireless (802.11b)
Data Management	NC Program	Managed using part number, part name, project name, project number and customer name.
	Tooling Data	Tool number and its description is generated automatically.
File Usage Log	PC→CNC	Information such as duration of cutting, finishing time of cutting, program name and machine name are recorded.
	CNC→PC	same as above
Compatibility	Machines brand	Okuma, Makino, Mori-Seiki, Cincinnati Milacron, Deckel, Toshiba, Kiwa, Takesawa, Wasino, Mazak, Hitachi-Seiki, Brother, Hurco and others.
	CNC brand	Okuma, Fanuc, Tosnuc, Mazak, Heidenhain, Deckel, Cincinnati Milacron, Mitsubishi, Siemens, Maho, Yasnuc.
File Operation	Create, edit and delete NC program	Editor is present to edit, create new CNC program. Come with features like block copy, move, delete, find and replace function.
	Hardcopy	Printout of CNC program
	Program Comparison	Compare two different CNC program from same or different machines.
Maintenance	Data Backup	Optional backup drive is used to save all CNC programs in 100 Mbyte disk or 1 Giga byte disk.

OTHER PRODUCTS

CIMPLAS

CIMEYE - MOULD PROTECTION SYSTEM
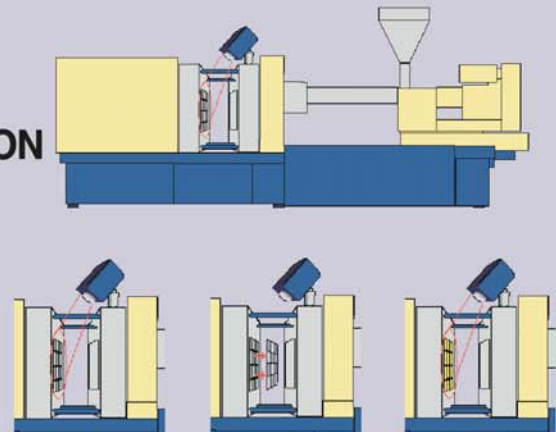
CIMTech Automation Consultant

51 Bukit Batok Crescent #06-34 Unity Centre Singapore 658077
Tel: (65) 67789973, (65) 63163405 Fax: (65) 67783860
Email : sales@cimtech-automation.com
URL : www.cimtech-automation.com

Authorised Agent: