



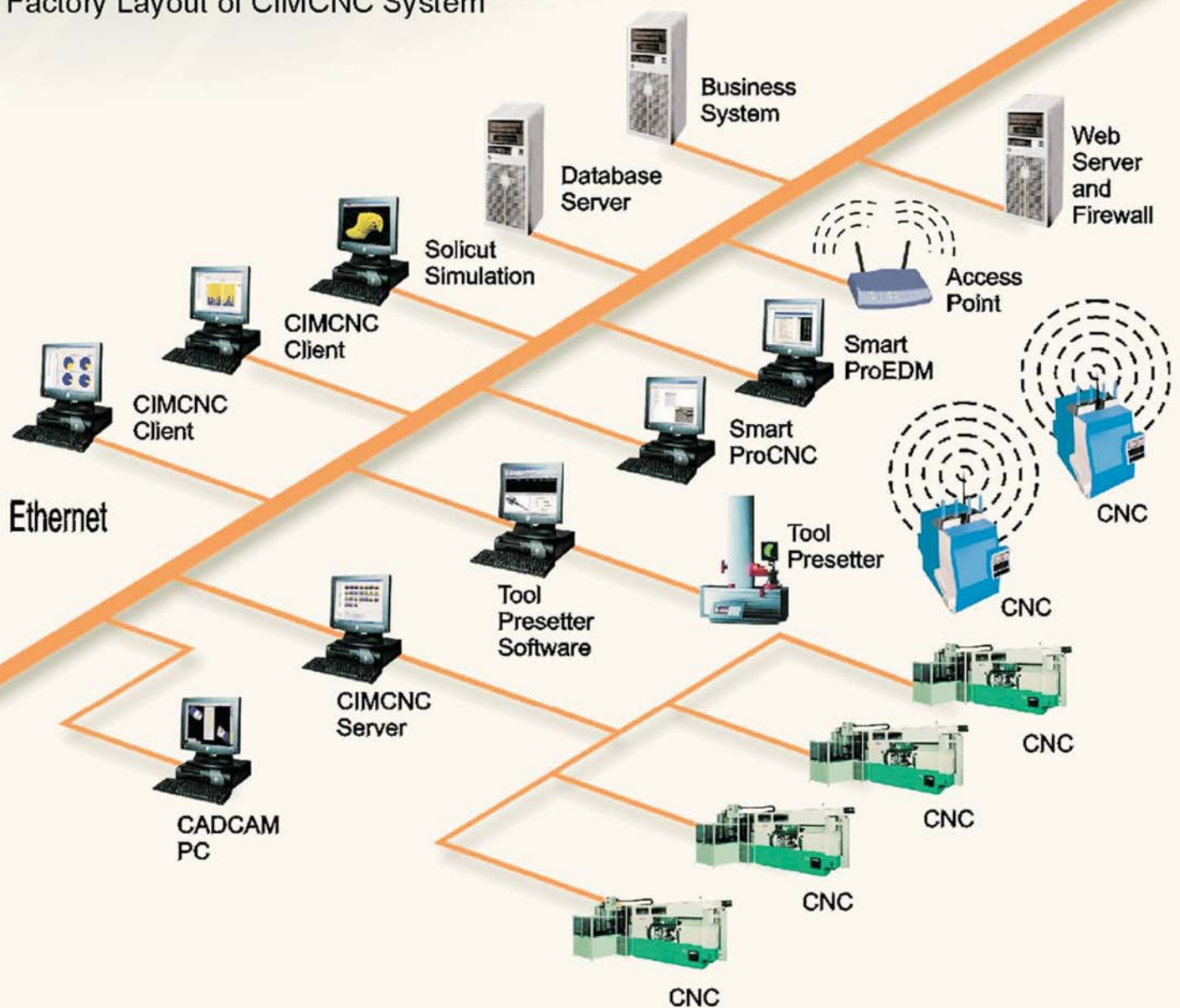
..... **CIMCNC**

“Real-time Information System, collecting data from machine tools and conducting analysis on machine performance”.

“What is causing your machines to run slow, stop and incur higher cost? Can you measure the productivity of your machines? If you cannot measure accurately, how you improve the productivity”.

“CIMCNC increases your OEE (Overall Equipment Efficiency) by identifying the bottlenecks and downtime in the manufacturing process. Therefore hidden capacity can be utilized and operating cost reduced.”

Factory Layout of CIMCNC System



BENEFITS OF CIMCNC

Monitoring

- To monitor the operating status of each machine ie Cutting, Stops, Alarms.

Controlling

- To control the production activities with Gantt chart. The Gantt chart allows the current activities to be compared with the planned activities so that better production schedule can be made.
- Machine Utilization in Pie Charts allows the production manager to understand the performance of all machines.
- Display board can be connected to show the current activities including efficiency, downtime and quantity.

Recording

- To record important process parameters like cycle time, run time, stop time, work id, part quantity automatically.
- All process parameter are logged into a central database server where the client station can access to view the process information.

Reporting

- Many types of productivity report are available including Job Status, Completed Job, Machine Efficiency, End of Shift, Job History, OEE, and Downtime.
- With these productivity reports, the management can find out the bottlenecks and the performance in the manufacturing process.
- User can use web-enable computer to read the productivity reports online.

Event Notifying

- To notify the user of abnormal situation like cutting time overrun, efficiency drop below certain level, and etc.
- The user can be notified through a variety of methods, including SMS and Email.

OEE (Overall Equipment Efficiency) and Downtime

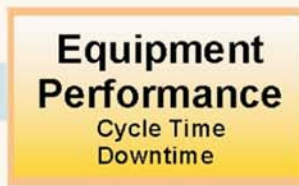
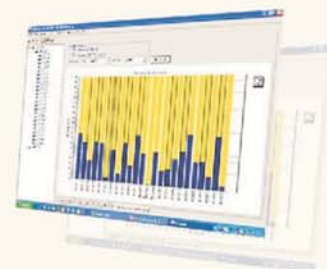
- OEE and downtime reporting is always available in realtime.
- Action can be taken faster due to more accurate real-time information.

NC Program Upload and Download

- Manage all NC program in a central server. User can download/upload the NC program from/to the server at anytime.

KPI (Key Performance Index)

- An effective tool to measure the performance of each production personnel.



SPECIFICATION TABLE

CIMCNC Server Configuration	Operating System	Windows XP Professional, Windows 2000, Windows 2003 Server
	CPU	At least Pentium IV 3.0 Ghz
	Memory	Recommended 4 Giga bytes SDRAM
	Hard Drive	At least 120 Giga bytes with second hard disk
	Network	100MBit NIC
Database Server	Database	Microsoft SQL 2005, Oracle (Optional)
	Client Nodes	Recommended 5 client nodes
	Maintenance	Compress, backup, archive
CIMCNC Client Node	Operating System	Windows XP, Windows 2000
	CPU	Pentium IV and above
	Memory	Recommended 1 Giga bytes SDRAM
	Hard Drive	At least 10 Giga bytes
COMPATIBILITY	Machine brand	Makino, Mori-Seiki, Mazak, DMG, OKK, Okuma, Toshiba, Hitachi-Seiki, Brother
	CNC brand	Okuma OSP, Fanuc, Mazatrol PC fusion, Mazatrol, Heidenhaain TNC, Professional, Tosnuc, Mitsubishi
LOG	Data	Cycle time, run time, alarm time, down time, efficiency, downtime reason, work id, work quantity
REPORTING	Productivity Reports	Job Status, Completed Job, End Of Shift, Machine Efficiency, Downtime, OEE, Job history
Export	Third Party Software	Microsoft Excel (Optional)

SUPER-DNC

The advanced precision/mould industry solution.

CIMPLAS

Centralized control system linking injection moulding factory.

