Niigata ICC Pallet System and multi-level stacker

Why Automate your machining operations with Niigata?

Flexible Automation = Higher Productivity

Flexible Automation = Assists w/business demand fluctuations

Flexible Automation = Reduces production lost time (repetitive work) such as setups, manual transfer

Flexible Automation = Reduces monies held in WIP & Inventories

Benefits are: Increased Revenue & Profit
Increased through put
Resource efficiency

Niigata ICC   Intelligent Cell Controller

ICC system feature – Software -

· **Machining Program per pallet**

→ Simple set-up & easy program changes while in machine run mode.

· *Scheduled cell production operations are controlled by the pallet carrier*

→ NC program, systematic operation corresponding to tool condition, and un-manned operation

· **Easy to change data by operator**

→ Improved productivity corresponding to work conditions

· **Shut-down function when production schedule is completed.**

→ Energy-saving

ICC SCREENS AND OPERATIONS

Steps to initiate system operations

Create pallet schedule assignment
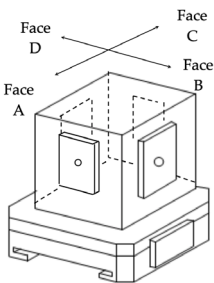↓
Register NC programs to ICC
↓
Set production schedule
↓
Press Cycle Start Button

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4 FACE CONTROL

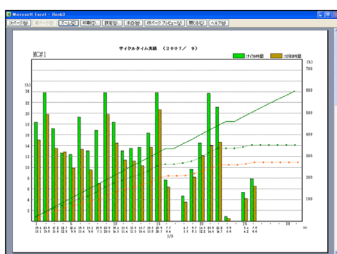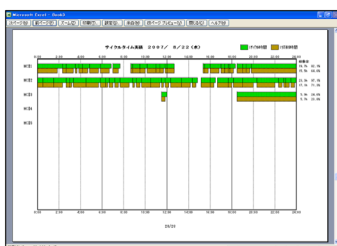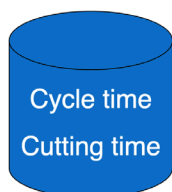

Four face control of individual part types. 0°/90°/180°/270°assigned NC programs which are set for each face and then automatically run in the cell.

Since table rotation is executed in the 4 face control function, B-axis rotation instruction in each NC program is not required.

The same NC program can be applied to different faces. 4 or 8 faces are available on the ICC system as a Factory default setting.

GRAPHIC DISPLAY OF PRODUCTION RESULTS

This optional software provides Daily/Monthly production results in graphical display.

Cycle time
Cutting time

(note) This software is stand-alone type.