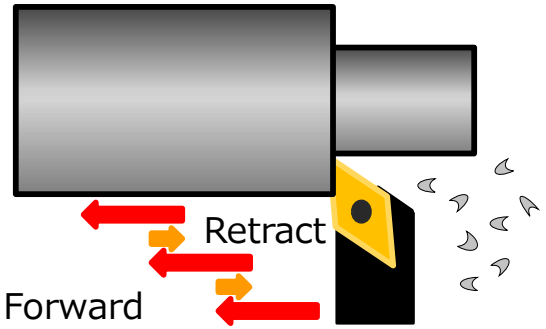
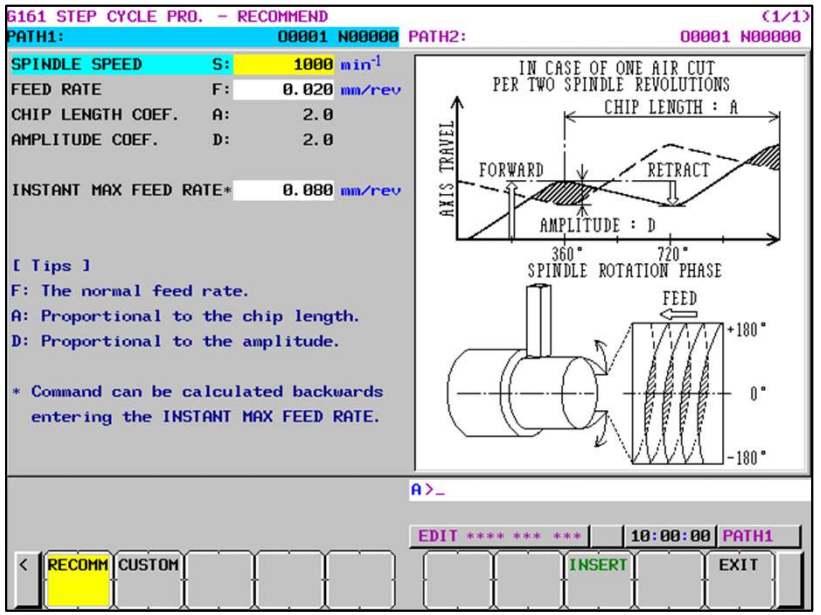
Step Cycle Pro. (option)

Ensure chip breaking by command produced with support at dedicated screen

- **Chip breaking technology**





Advantage

①Less chip entanglement

→ **Reduce defective parts**

②Reduce chip volume

→ **Less chip evacuation operation**

③Trial mode is standard

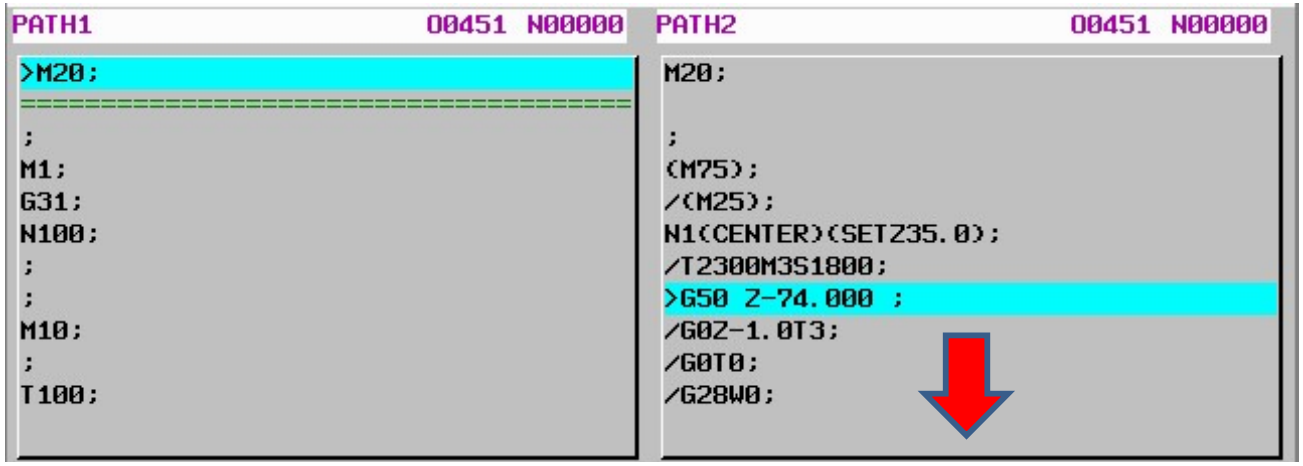
→ **Can be tested before purchase**

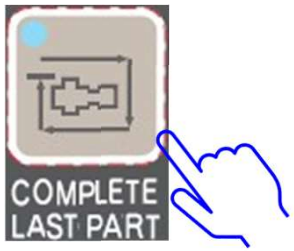
Without SCP

With SCP

Last part completion mode

Dedicated key for the last part completion mode, no need to change a cutting program





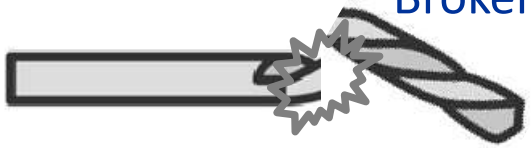
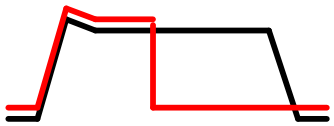
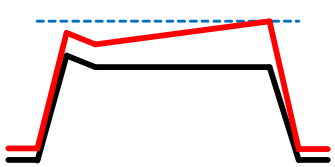
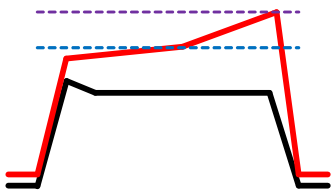
Only activate by dedicated key

Path 1 gets one-cycle stop, Path 2 runs automatically and the last part is processed.

Machining load detection function (Option)

Measure machining load and detect tool breakage/wear

Prevent producing defective parts due to cutting tool troubles

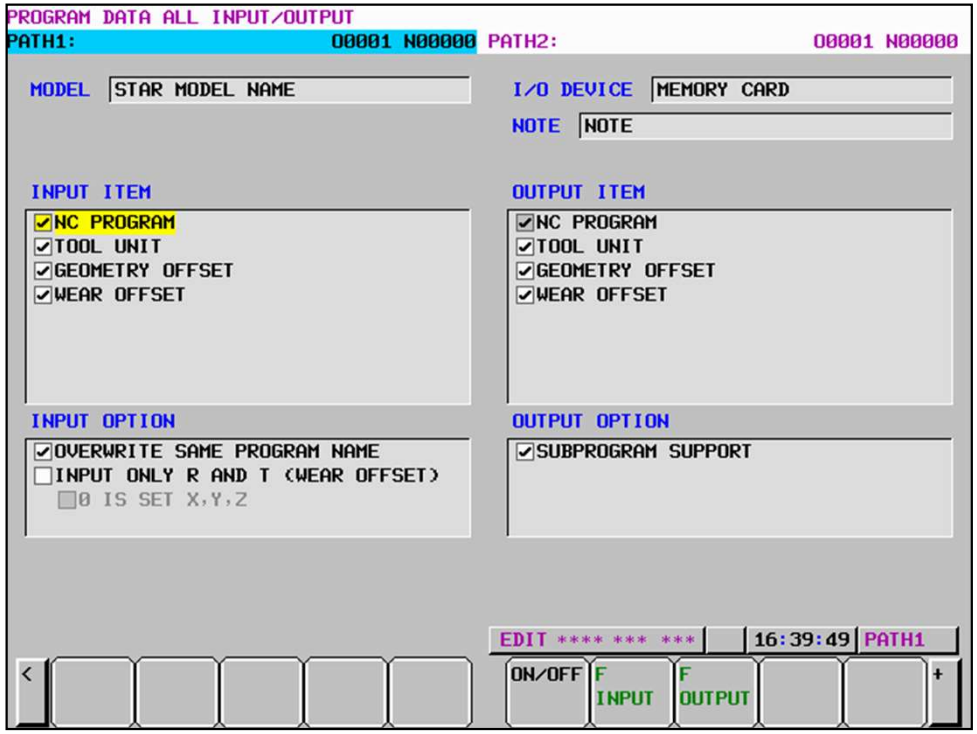
Tool condition	Detect abnormal servo data of machining load	Operation control
Broken 		Machine stop by alarm
Wear 		Notice by message of tool change schedule
Usage limit (tool change) 		Machining stop by one-cycle stop

Batch inputs/outputs of program data

Inputs/Outputs program data in batches

Program data file includes;

- **NC program**
- **Tool unit data**
- **Geometry offset**
- **Wear offset**



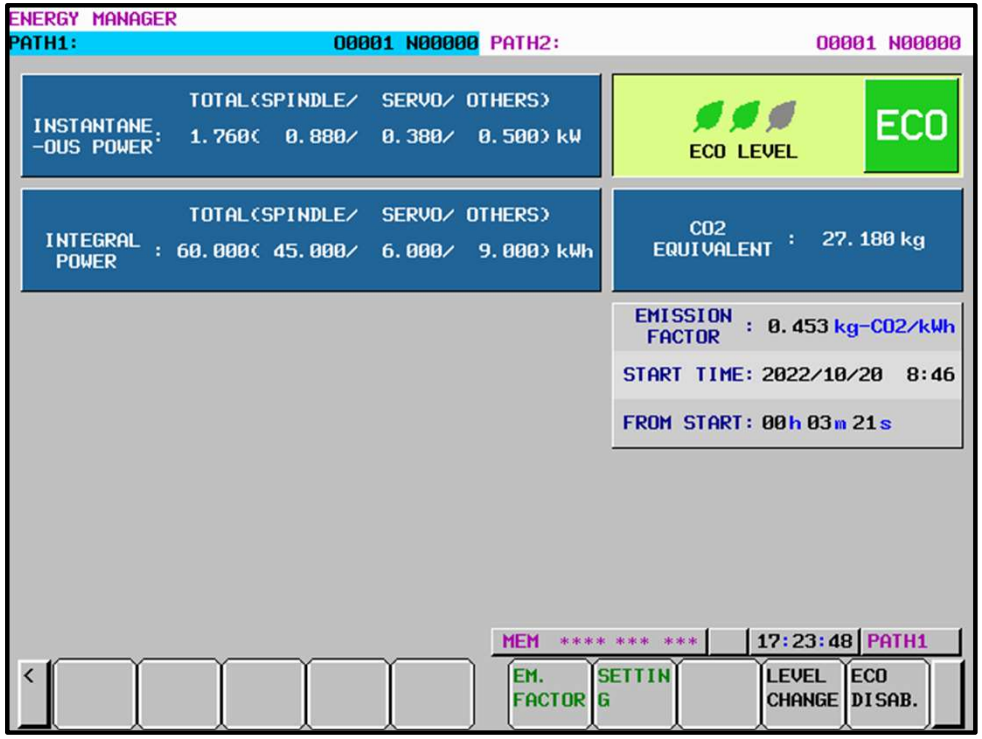
Main functions

- **Select inputs/outputs data**
- **Inputs/Outputs sub-program (M98,G65,G66)**
- **Input error prevention function**
- **Memo function**
- **I/O device switching**
- **Selectable wear offset input condition**

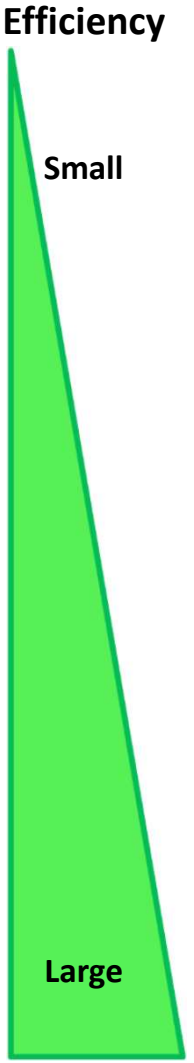
New function of ECO mode

Correspondence to ECO LEVEL 2

Only selected items can be shut-down
referring to shut-down condition



Subject to standby power reduction



- **ECO LEVEL 1**

only servo motor

- **ECO LEVEL 2** New

Items selectable

- **ECO LEVEL 3**

servo motor
spindle motor
peripheral equipment
≒ machine ready OFF

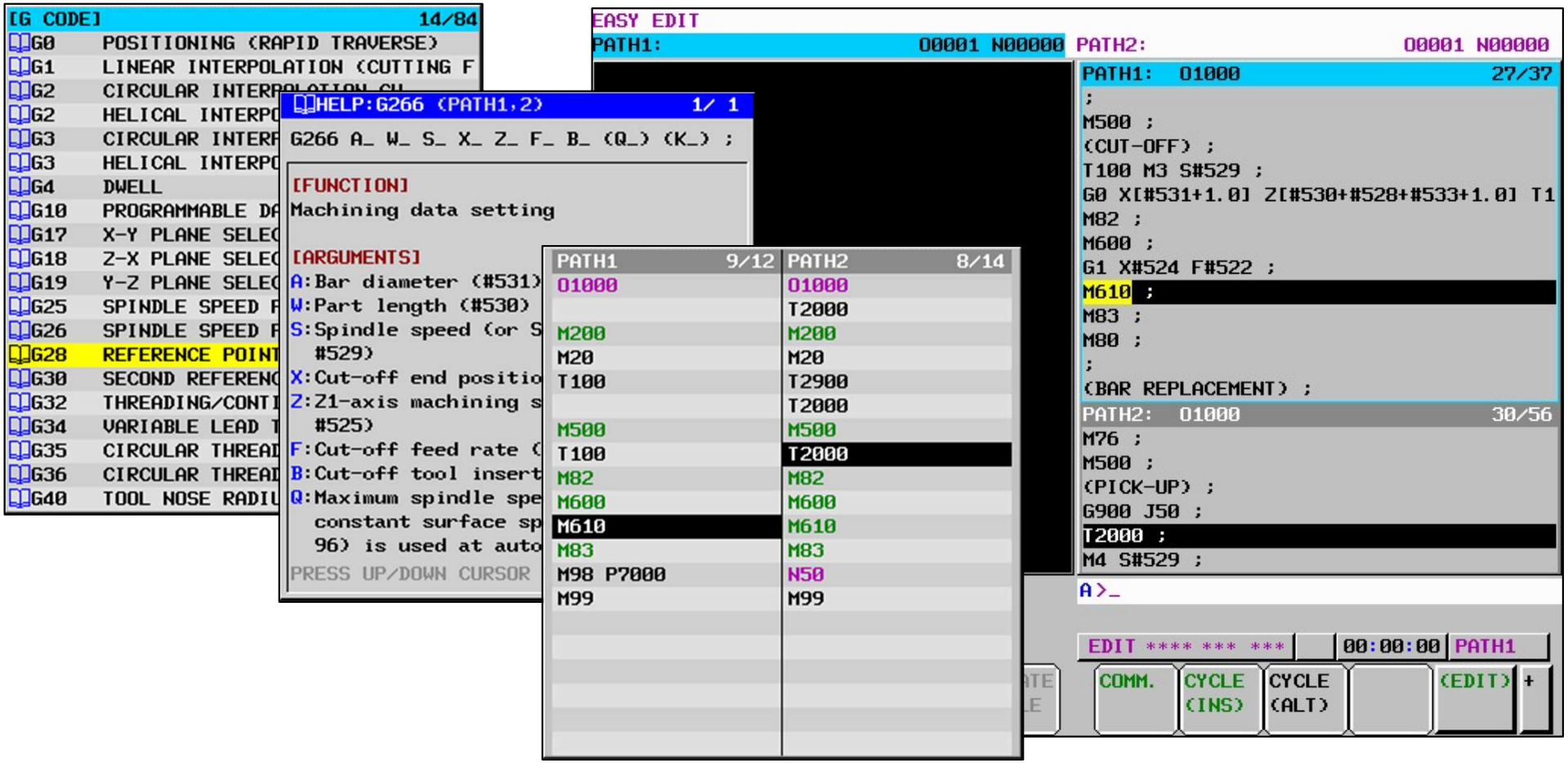
EASY EDIT (option)

Dedicated screen for editing NC program

Complicated canned cycle can be created easily

Editable referring to explanation of command

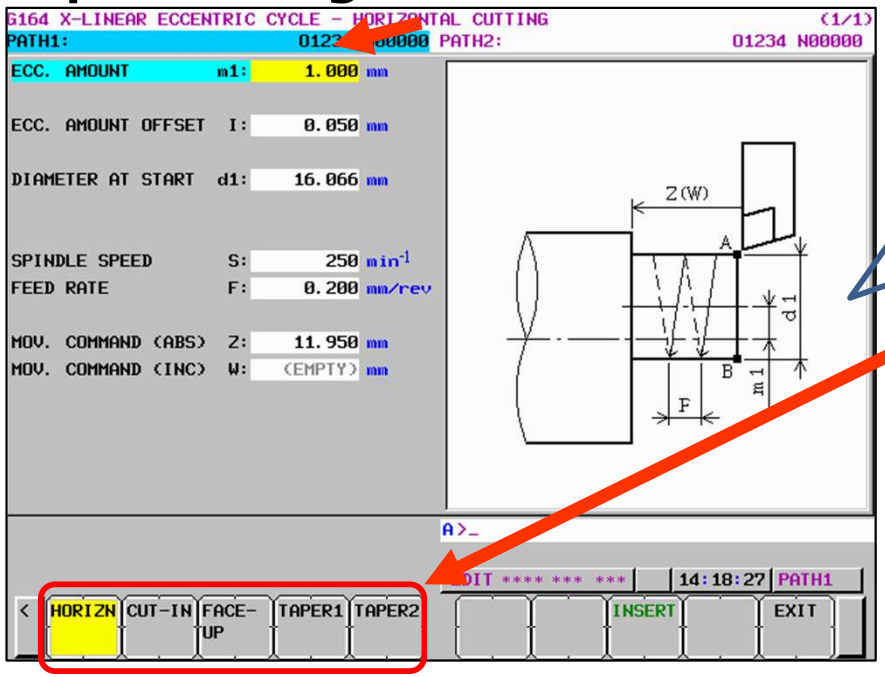
Visual confirmation of process order and synchronization between channels



Eccentric machining cycle (option)

- Complicated eccentric machining can easily be achieved by simple setting
- Eccentric machining with Turning tools is possible
- Support program creation with an interactive dedicated screen

■Command creation with simple setting



■Work for various shapes