

Internet of Thing



iPanel IAS

iPanel Intelligent Assistant System

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EXTRON CNC is the professional manufacturer which focus on building machining center. In 2018 we successfully developed super-convenient operation-software to support users. The software is designed by conversational editing, easy for operator to manage the controller program. Through "Online help" guideline, no matter junior or senior operators, everyone could save preparation time easily & enhance the total machining efficiency. The software also provides the "trouble-shooting guidelines". While alarm message is coming out, the operator could follow the instruction to solve the problem. In the meanwhile, lower down the machine's idle time & enhance the machining efficiency. If alarm continuously happens, please call the local agent directly. In conclusion, all these functions simplify the machining processes and make the job fast & safe.



All-purpose functions to make work easier, fast and safe.

- Coordinate Setup
- Magazine Management
- Calculator Type
- Diagnostic Functions
- Peripheral Equipments
- Remote Functions
- Process Parameters
- Tool Length Measurement
- Load Management
- SP Thermal Compensation
- Contact Information
- System Setting
- Machining Programs
- Workpiece Measurement
- Process Counter
- Time Based Maintenance
- Manual Documents

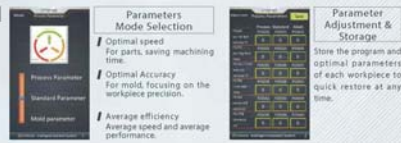
Coordinate Setup 01

- 2 Points Center
- 3 Points Center
- 4 Points Center
- Rectangular Measurement
- Plane Measurement
- 4 Sides Coordinate (HMC)



Process Parameters 02

- Restore Factory Parameters
- Parameter Adjustment & Storage
- Parameters Mode Selection
- Import Process Parameters



Machining Programs Generator 03

- Face Milling
- Rectangle Pocket
- Longitudinal Slot
- Matrix Boring
- Circular Tapping
- Engraving
- Circul Pocket
- Circular Boss
- Rectangular Boss
- Matrix Tapping
- Circular Drilling
- Circular Boring



Magazine Management 04

- Size Tools
- Magazine Service
- Tool Data
- Magazine Reset
- Tool Monitor



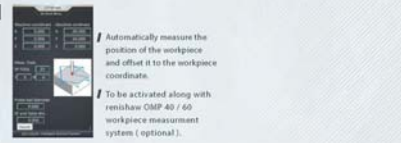
Tool Length measurement 05

- Manual Tool Length Setting
- Tool Offset Setting
- Automatic Tool Length Setting



Workpiece Measurement 06

- Simple Calculator
- Engineering Calculator
- Feed Rate Calculator
- Speed Calculator



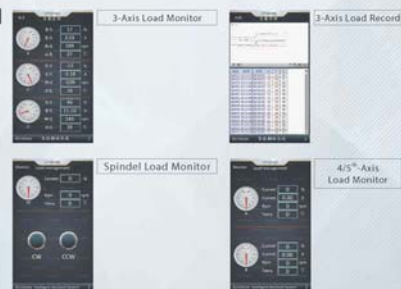
Calculator Type 07

- Simple Calculator
- Engineering Calculator
- Feed Rate Calculator
- Speed Calculator



Load Management 08

- 3-Axis Load Monitor
- 3-Axis Load Record
- Spindle Load Monitor
- Spindle Load Record
- 4/5th-Axis Load Monitor
- 4/5th-Axis Load Record



Process Counter 09

- Process Counter 1
- Process Counter 2
- Process Counter 3
- Process Total Counter
- Process Daily Counter
- Process Utilization Rate

Diagnostic Functions 10

- Mechanical Input
- Mechanical Output
- Panel Input
- Panel Output
- Alarm List
- Warning List
- T List
- K List
- Alarm Messages
- Rigid Retract

Spindle Thermal Compensation 11

Offset the machining coordinates according to the spindle speed / spindle temperature / machine temperature for smooth finish of the workpiece.

Must buy [Temperature Meter] and [Temperature Sensor] at extra charge as option.

Time Based Maintenance 12

Calculate dates needed to be maintained, as well as related text (picture descriptions).

Peripheral Equipments 13

- 4th Axis
- 5th Axis
- Linear Scales
- Tool Length Measurement
- Workpiece Measurement

Contact Information 15

Provide local agent information for instant contact.

Manual Documents 16

- G Code List
- M Code List
- Machine Catalogues
- Electrical Parts List
- Panel Manuals

Remote Functions 17

- Alarm Message Notification
- Process File Transfer
- IAS Monitor

System Setting 18

- Permission Setting
- IO Channel Setting
- Buzzer Control
- System Information

iPanel Function list

Diagnostic Functions

SP. Thermal Compensation

Time Based Maintenance

Peripheral Equipments

Load Management

Contact Information

Manual Documents

Remote Functions

System Setting

EXTRON Intelligent Assistant System

iPanel Coordinate Setup

Machine 354.733

-234.941

-224.952

X 0.000

PA 0.000

PB 0.000

PC 0.000

PD 0.000

PZ 0.000

Coordinate w 0.000

Write NC h 0.000

EXTRON Intelligent Assistant System

