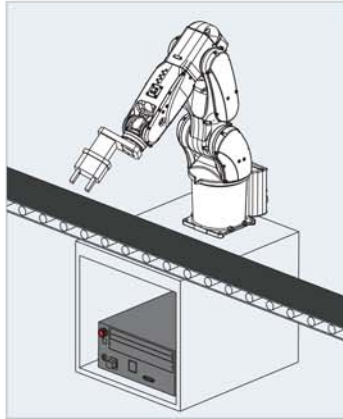


NACHI CFD

Controller

Compact cabinet

- Only 369mm in width
- Could be installed inside robot riser



Various application

Vision Sensor NV-Pro

Option

- Operation by using teach pendant, high speed processing
- Various application available by 2D and 3D vision sensing, dimension measurement and parts type districting

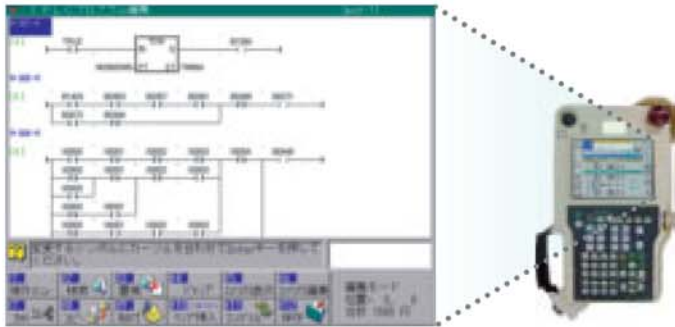


User friendly functions

Software Built-in PLC

standard

- Control peripheral equipment by robot controller
- Simplifies system configuration to reduce cost

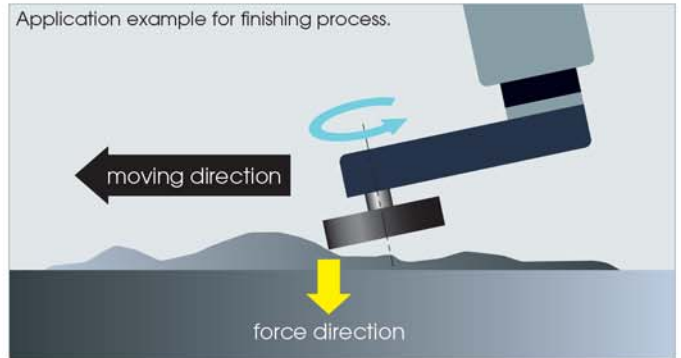


Force Sensor

Option

- Assembling (inserting, following, phasing), polishing, deburring

Application example for finishing process.



Offline Simulation Tool

FD on Desk Light

standard

- Best simulator of first for primary study

- Offline Programming
- Robot Layout Investigation
- Cycle Time Simulation
- PLC Ladder Editing
- Operation Training



Robot Monitoring Unit (RMU)

Option

- Safety unit to monitor robot position and speed
- Reducing cost and space saving

User Graphical Interface Flex-GUI

Option

- Customizing teach pendant display.
- Operator can use teach pendant as a system operating panel.



Field bus

Option

- DeviceNet (Master, Slave)
- EtherNet/IP (Master, Slave)
- CC-Link (Master, Slave)
- PROFIBUS (Master, Slave)
- PROFINET (Slave)

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CC-Link is a trademark of CC-Link Partner Association : CLPA.
PROFIBUS and PROFINET is a trademark of PROFIBUS & PROFINET International.

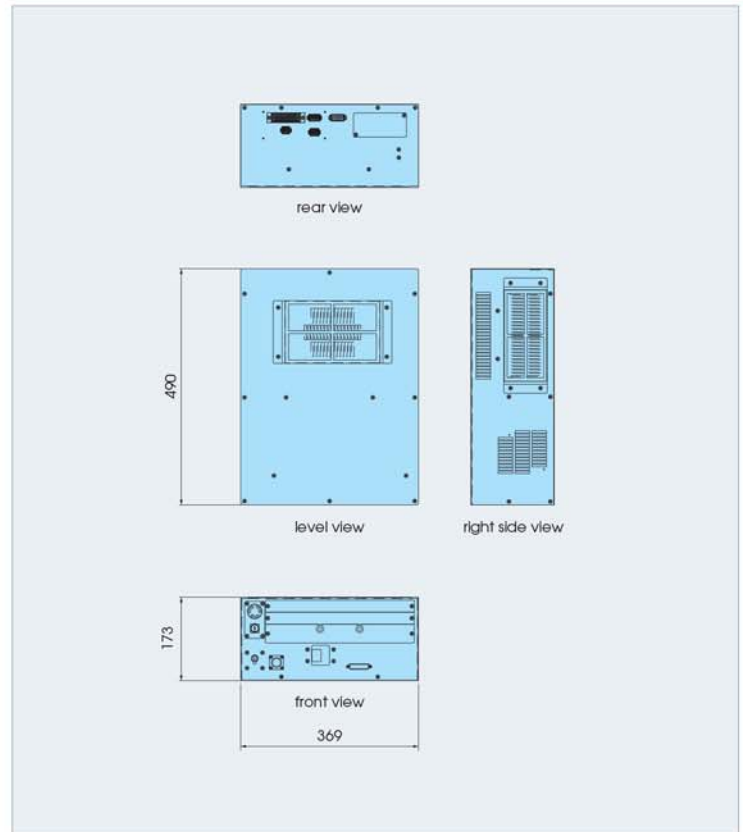
NACHI CFD

Controller

Basic specification of controller

Item	Specification
Controlled Axis	6-Axes
Maximum Control Axis	7-Axes
Safety Function	PLd Category-3
Teaching Method	Teach / Playback Robot Language
Program Number	9,999 programs
Memory Capacity	256MB (2,560,000 program steps equivalent)
Teach Pendant	Smart TP 5.7" Color LCD Touch Panel, Cable Length: 4m 3 Position Enable SW, Emergency Stop Button
	Compact TP Monochrome, 20 characters x 4 lines Display, Cable Length: 4m 3 Position Enable SW, Emergency Stop Button
Operating Panel	Emergency Stop, Mode select switch (teach/playback)
Exclusive Safety Input	External Emergency Stop, Safety Plug, External Enable Switch, Protective Stop
Network	Ethernet
Memory Device	USB Port
External Dimension	369mm(W)×490mm(D)×173mm(H)
Weight	Approx. 17kg
Primary Power Supply	3-Phase AC200-230V ±10% Single Phase AC200-230V ±10%
Consuming Power	0.4KVA
Dust Proof, Drip Proof	IP20
Ambient Temperature	0~40°C
Ambient Humidity	20~85%(Non-condensing)

Controller dimensions



Controller options

Item	Specification
Additional Axis	One additional axis is possible (Motor Capacity: up to 400W)
Fieldbus	DeviceNet, EtherNet/IP, PROFIBUS, PROFINET, CC-Link
Digital I/O	Up to 2pcs of 32point/32point I/O Board 8 photo coupler input and 8 transistor output or 8 photo coupler input and 8 relay contact output
External Memory	USB Memory
Vision Sensor (*)	NV-Pro
Robot Monitoring Unit (*)	Category 4, SIL 3
Controller Protection Box	IP54 equivalent Dust-proof and drip-proof box

(*) Another box is necessary.