

Significant reduction in labor hours
Easy cable system

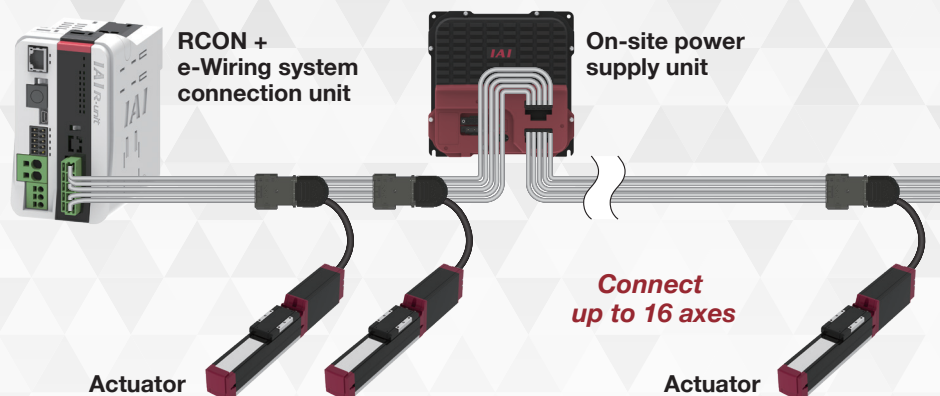
IAI
Quality and Innovation

An
industry
first!

e-Wiring System

What is the e-Wiring System?

Run the main cable and branch off the sub cables as needed to connect to the actuators.



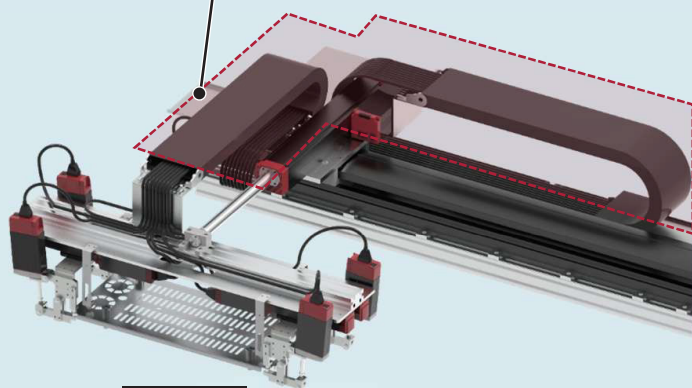
Application
example

ELECYLINDER transfer unit with 12 axes

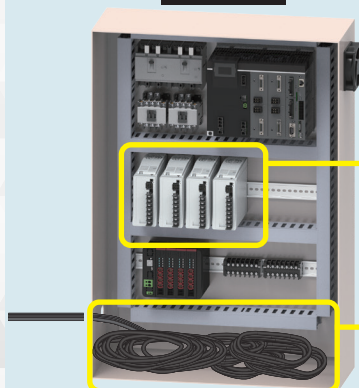
This unit clamps workpieces at the tip of the ELECYLINDER's cartesian axis

Conventional wiring

Space for the cable track
installation is needed



BEFORE



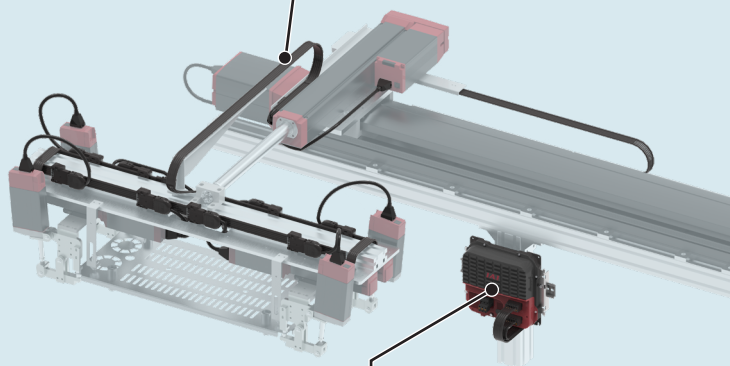
Power unit installation
space is necessary
inside the controller

The excess cables
are coiled up

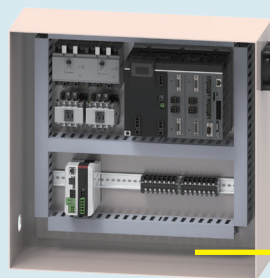
e-Wiring System

POINT

No cable track
needed!



AFTER



POINT

On-site power
supply unit

Installing a 24V power supply
within the work site helps save
space in the control panel.
(Our PSA-24 can be installed in parallel
with the on-site power supply unit)

No unnecessary cables!

Reduces labor hours at each stage from design to maintenance

Design

BEFORE

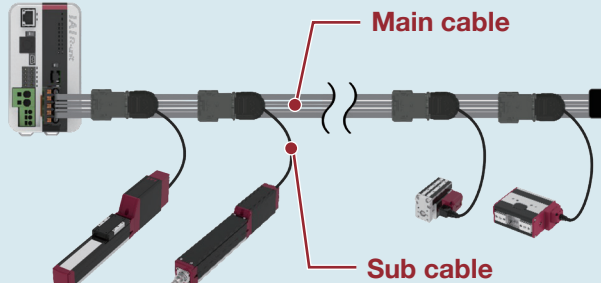
Requires selecting cable length for each actuator

AFTER

No need to select cable length



Reduces Design Time



Run the main cable on the equipment and branch off the sub cables using dedicated connectors.

Assembling

BEFORE

Wiring work takes time because there are many cables

AFTER

Cable installation labor hours



Approx.

64% Reduced

Labor time of conventional wiring work
(Our actual measurement result)

124 minutes

Wiring labor time for the e-Wiring System



45 minutes

Maintenance

BEFORE

Multiple types of cable lengths are necessary for maintenance of each actuator

AFTER

Maintenance cables are significantly reduced to just two types



In addition!

- ✓ No need to purchase excessively longer cables, **saving resources!**
- ✓ Only the exact amount of cables are purchased, **reducing costs!**
- ✓ **Lower cost** due to shorter total cable length!



Can be cut to the required lengths

Instruction manual available!

Refer to the instruction manual for detailed connection instructions.



Manual



← The product catalog is coming soon!

IAI America, Inc.