moving

Jig adjustment and clamp confirmation on pallet

remote I/O of
CC-Link

Remote

Base

to CC-Link

motor

encoder

Inductive power supply &
CC-Link signal transmission
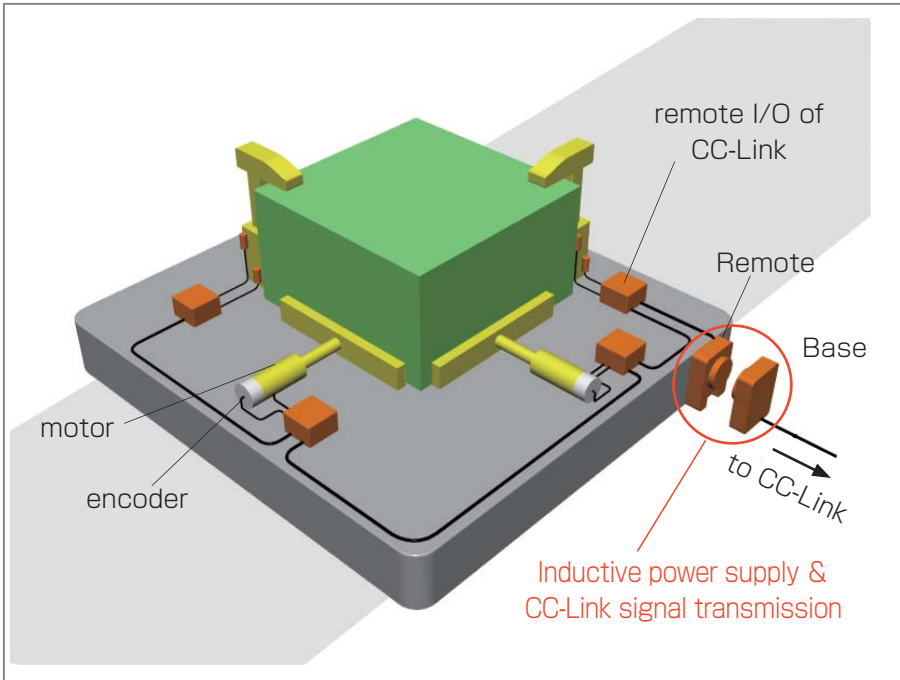
Previous problems

- Desire to manage whole assembly line with CC-Link.
- Mount adjustment manually done by operators.
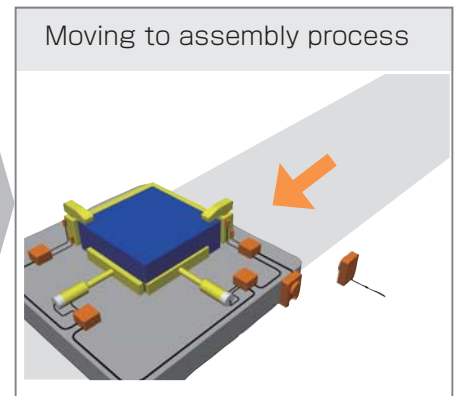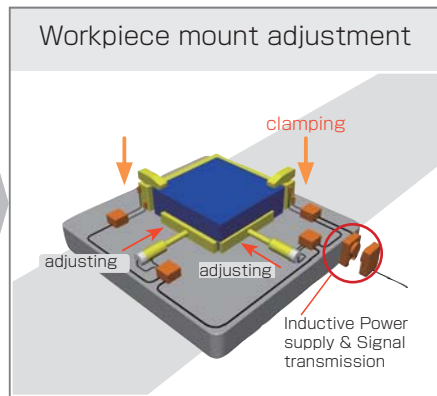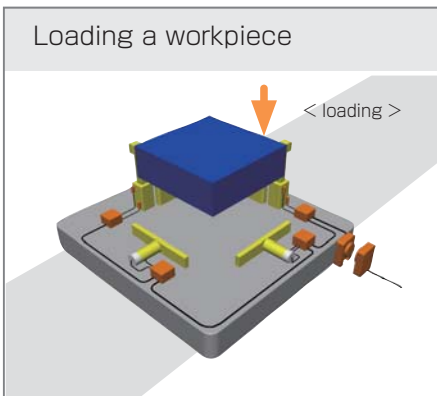
Solution   Rmote System
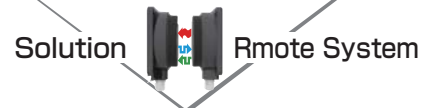
After improvement

- Sending of power and the data communication of CC-Link are performed simultaneously without hardwiring.
- Automated adjustment of the jig improved loading efficiency.

Application

Control a Motor, an encoder, a solenoid valve and a sensor installed on the pallet. Utilizing Field BUS CC-Link.
Remote System sends power to CC-Link remote I/O on a pallet and transmits CC-Link data.

Loading a workpiece

< loading >

Workpiece mount adjustment

clamping

adjusting   adjusting

Inductive Power supply & Signal transmission

Moving to assembly process

Construction of devices

movable side : pallet

fixed side

CC-Link remote I/O	CC-Link remote I/O	CC-Link remote I/O	CC-Link remote I/O	Remote RCD22T		Base RCD22E	Power 24V DC
cylinder switch	solenoid valve	encoder	motor		Power ← signal ↔		CC-Link

B&PLUS