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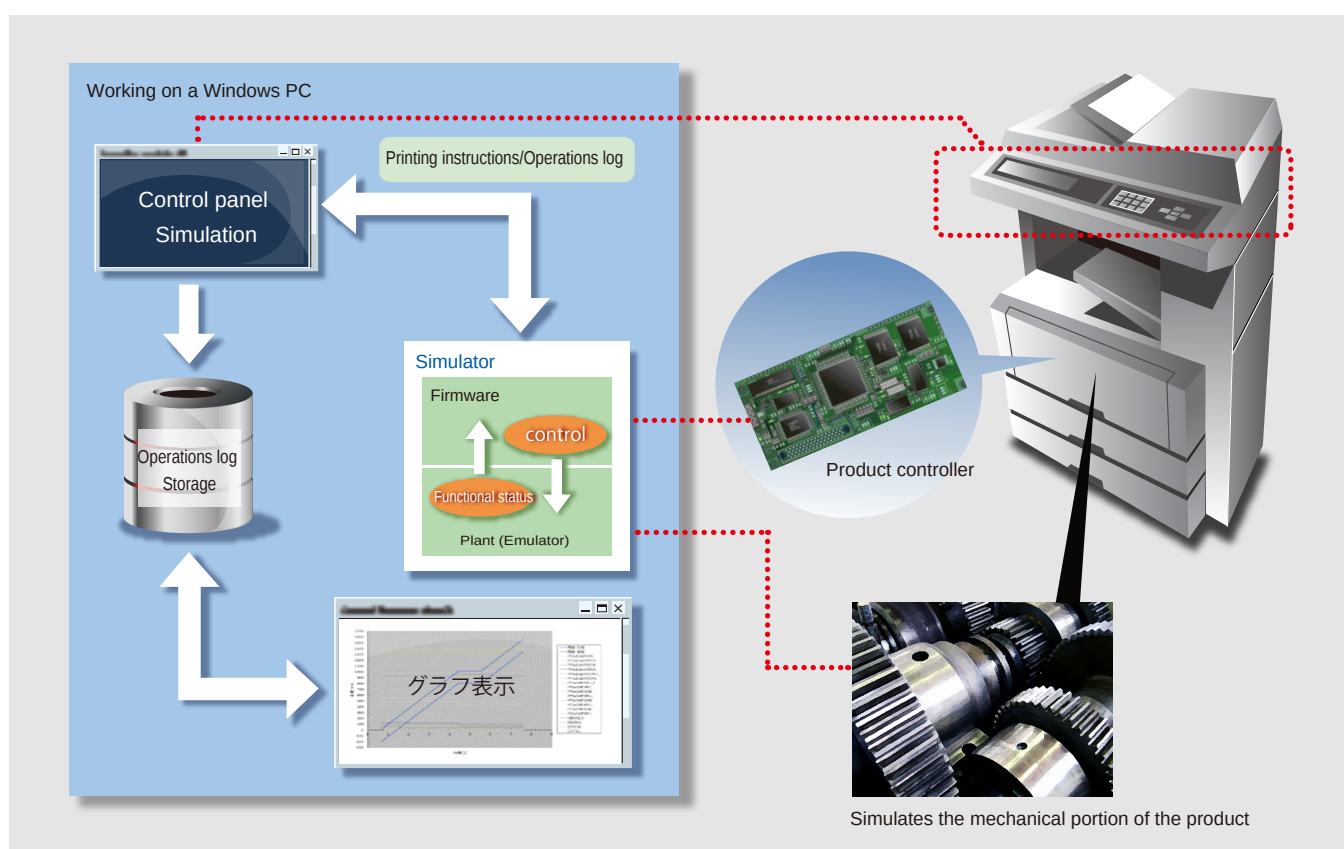| Simulator development	SILS	Industrial and consumer equipment/facilities

Development of a paper position simulator for an MFP

We have developed a lightweight simulator that can be easily used by programmers during MFP controller firmware development.

Simulates the mechanical portion of the product

Development

▸ Device emulation function on the paper path
  Simulation of the plant (paper path) with respect to firmware which runs on the host PC (Windows)
▸ Paper path settings function
▸ Settings function for device operations error on the paper path
▸ Control panel simulation function
▸ Paper position real time display function
▸ Graph display function for paper movement

Features

▸ Since it is a lightweight Windows application created in VisualStudio, the working of the firmware can be repeatedly checked during coding
▸ Since the working status can be displayed in real time, and multiple paper movements are diagrammatically displayed as a graph, the paper position can be intuitively checked
▸ Since the device arrangement (mechanical configuration) on the paper path can be specified in the settings file, the simulation of a variety of models can be supported

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