YASKAWA

SMART PATTERN

SMART PENDANT EXTENSION

KEY BENEFITS

Expands Smart Pendant capability for handling tasks

Fast development and deployment for stacking, load/unload, and pick and place jobs

Multi-layer build support for combining multiple patterns

Free, convenient download to Smart Pendant
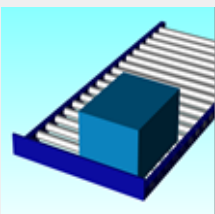
COMPATIBILITY
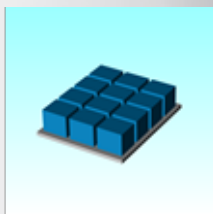
YRC1000 controller

YRC1000micro controller

REQUIREMENTS
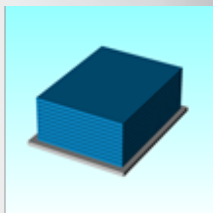
Smart Pendant V2.2 or newer
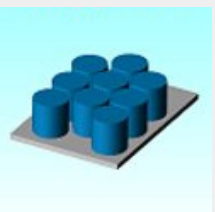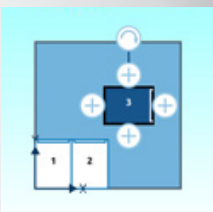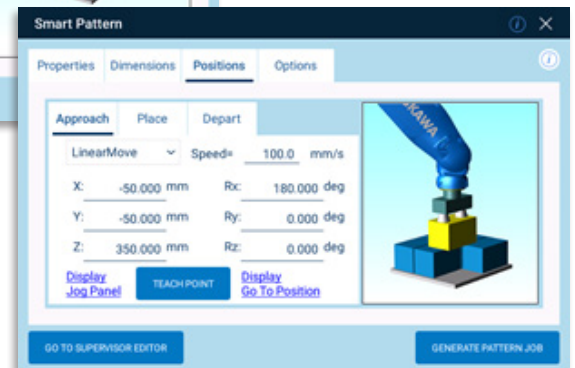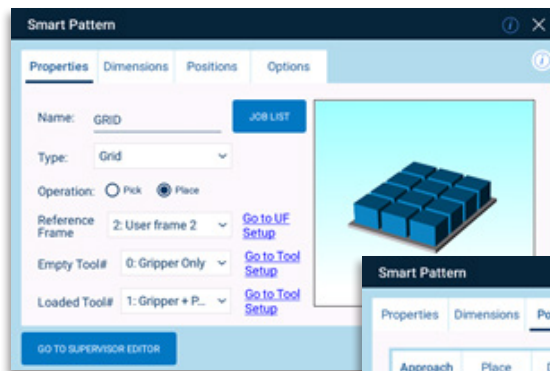
PATTERN TYPES

Single

Grid

3D Grid

Stack

Staggered

Custom

- Easy-to-use Smart Pendant extension enables quick generation of INFORM code to handle product laid out in specific patterns.

- Generates base code for common applications like machine loading/unloading, stacking, unstacking, case packing and simple palletizing.

- Provides an intuitive user interface with guided prompts for pattern program generation steps.

- Generates two types of jobs:
  - **Pattern:** defines a specific pattern and robot movement for handling each part in the pattern
  - **Supervisor:** defines which patterns should be used to pick and place parts, as well as the overall flow of the system, including the basic I/O signals for each step of the process

- Supported pattern types include:
  - Single Part
  - Grid (2D Array)
  - 3D Grid (3D Array)
  - Stack and Stack Search
  - Staggered
  - Custom

- Path management with configurable approach and departure points. Supports both fixed and relative paths.

- Compatible with a wide variety of grippers and end-of-arm tooling.

- Jobs are easily editable or customizable to accommodate specific system requirements.

- Available for use with HC-series and GP-series robots.

- Free download at: www.motoman.com/smartpattern