



Collaborative Robot System Achieving Increased Productivity and Space Savings

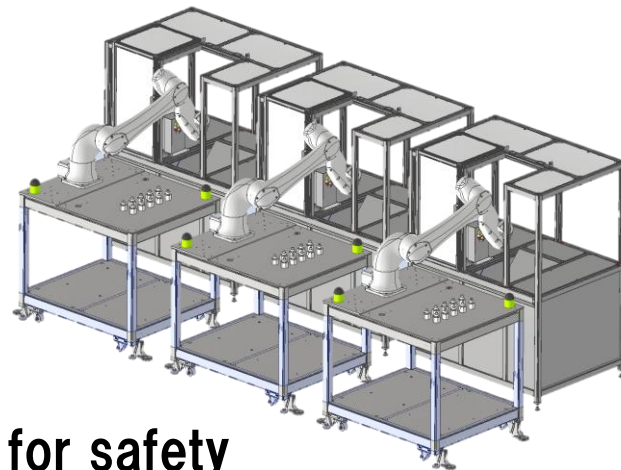
FD-VC8/Compact Controller

■ High Implementation Cost

- ▶ Multiple robots and controllers required

■ Collaborative Robot : Slow Operation

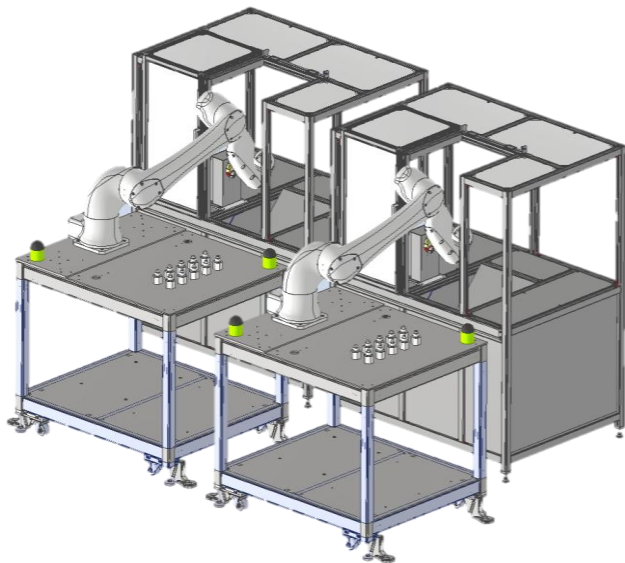
- ▶ Maximum speed limited to 1,000 mm/sec for safety



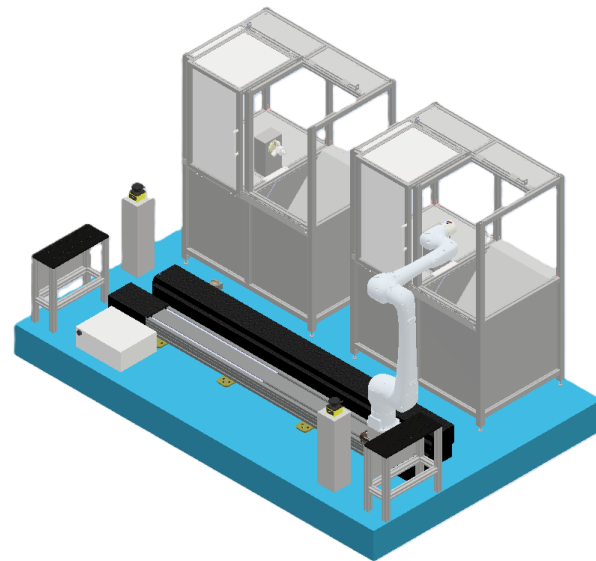
Daihen's new cobot system solves these issues

Expand the work area by combining with a slider

- ▶ Automate multiple processes with a single robot
- ▶ Sliders can also be operated with a single new compact controller



Introduction Cost
Reduced by 30%



Improved productivity and space-saving design

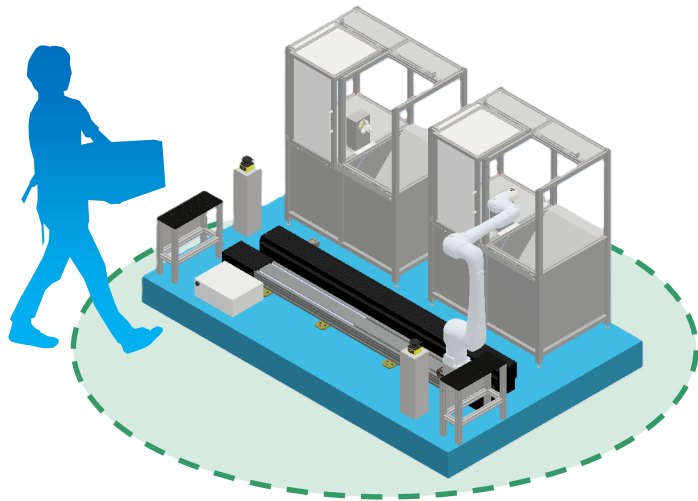
When people are nearby...

Collaborative Mode

Auto Switch

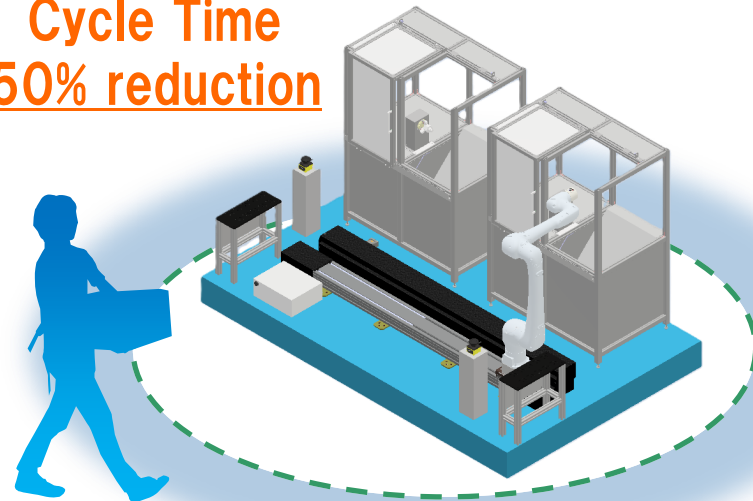
When no one is nearby...

High-Speed Mode



Maximum Speed: 1,000 mm/sec

Cycle Time
50% reduction



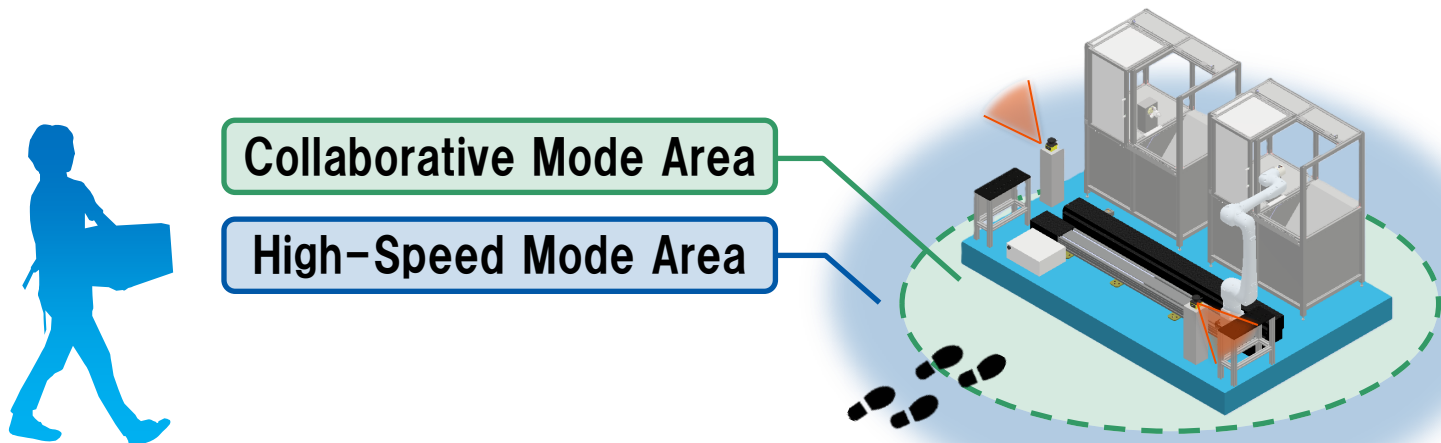
Maximum Speed: 2,000 mm/sec

Automating loading/unloading operations at two locations with a single cobot

- Workpiece replenishment and retrieval performed by humans

Automation without safety fencing saves space

High-speed/collaborative mode switching balances safety and productivity



Collaborative Robot FD-VC8

- **8kg** payload
- **Longest reach class** exceeding 1.5m
- Control buttons standard on robot tip



FD-VC8

Compact Controller

- Achieves industry-leading **compact size** (75% reduction in volume compared to our previous model)
- One controller can control up to **two external axes**
- **Easy teaching** in combination with tablet TP
- Visualize power consumption with the power monitor function



New compact controller

Daihen's new cobot system to enhance factory productivity and save space.

DAIHEN