



## Handling System Using a Collaborative Robot

### Challenges in robot implementation

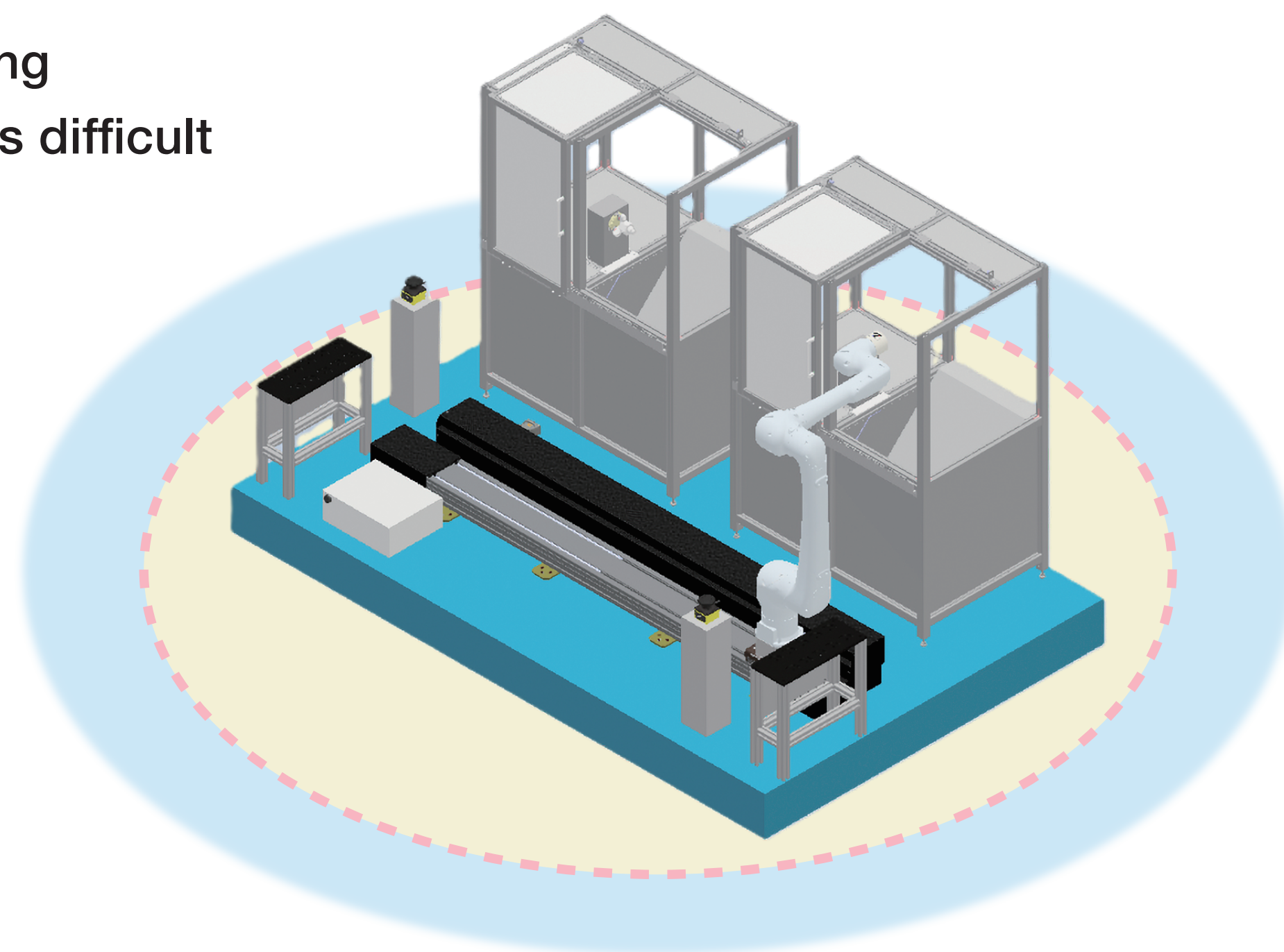
- Requires significant equipment modifications such as safety fencing
- Cobots operate at slow speeds, making productivity improvements difficult

### Effective utilization of existing equipment

- No need for safety fencing
- Minimizes additional equipment

### Automatically switches operating modes based on conditions

- Safety laser scanner monitors the surrounding environment
- Switches from high-speed mode to collaborative mode when worker approach is detected





## Collaborative Robot System for Enhanced Productivity and Space Efficiency

# Collaborative Robot FD-VC8 for Various Applications

### Versatile for various applications

- Double the payload capacity (8kg) compared to previous models
- Easy wiring with built-in application cable
- Longest reach in its class, exceeding 1.5 m
- Significantly expanded range of motion compared to conventional models
- Control buttons are standard equipment on the robot tip

### High safety

- Arm shape prevents pinching
- Rounded design to mitigate impact upon contact





## Compact Controller Optimized for Collaborative Robot Applications

### Compact and versatile

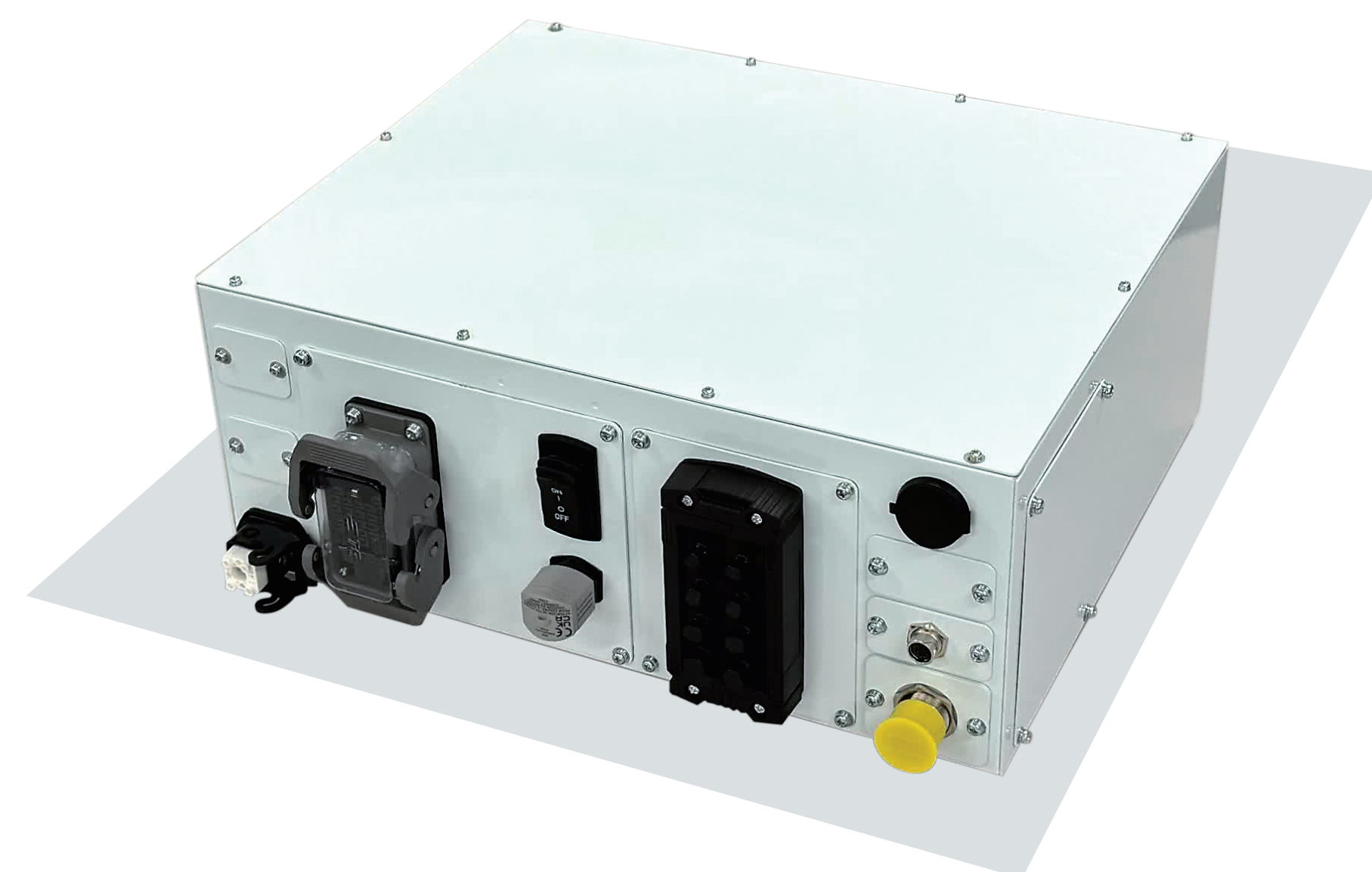
- Single-phase AC 100V-240V
- Achieves industry-leading compact size  
(75% smaller volume compared to our previous model)
- Controls up to two external axes with a single controller

### Simple teaching and convenient function

- High-speed/collaborative mode switching function significantly boosts production efficiency
- Simple teaching when combined with tablet TP
- Visualize power consumption with the power monitor function

### High safety

- Compatible with external axes systems without safety fences
- Top-class stopping function\* in safety standards included as standard



New compact controller

※ Cat4 Ple emergency stop