



EASYTEND™ MOBILE MATERIAL HANDLING CART



FLEXIBLE MOBILE AUTOMATION FOR MACHINE TENDING & PART HANDLING

The EasyTend™ Mobile Material Handling Cart from delivers flexible, re-deployable automation designed to simplify machine tending and material handling operations. Built around a mobile collaborative robot platform with interchangeable fixturing carts, EasyTend helps manufacturers increase machine utilization, reduce changeover time, and support high-mix production environments.

Designed for mobility and fast deployment, EasyTend enables operators to load and unload parts while the robot continues production—maximizing uptime and improving operational efficiency.

WHY MWES?

- ◆ Designed for operators—not programmers
- ◆ Reduces training time and programming errors
- ◆ Improves productivity without increasing complexity
- ◆ Proven, production-ready software developed by MWES

KEY BENEFITS:

- ▶ **MOBILE AUTOMATION PLATFORM**
Deploy automation where it's needed most with a compact, movable cobot system.
- ▶ **SWAPPABLE FIXTURING CARTS**
Quick cart exchange minimizes downtime and supports rapid product changeovers.
- ▶ **HIGH MACHINE AVAILABILITY**
Operators can safely load and unload parts while the robot continues operation.
- ▶ **PRECISION REDEPLOYMENT**
Repeatable positioning and leveling feet provide accurate workstation setup after relocation.
- ▶ **FLEXIBLE PART HANDLING**
Adjustable fixturing accommodates varying part sizes, shapes, and heights.
- ▶ **RECONFIGURABLE TOOLING**
Standard modular tooling allows the system to adapt to evolving production requirements.

EASYTEND™ MOBILE MATERIAL HANDLING CART

DESIGNED FOR FLEXIBLE MANUFACTURING

EasyTend™ is engineered for manufacturers looking to increase automation flexibility without committing to fixed robotic infrastructure. Its portable architecture and modular fixturing approach make it ideal for facilities with changing production requirements, multiple machines, or limited floor space.

SYSTEM SPECIFICATIONS

2. FANUC CRX-10iA COBOT

- ◆ Designed for safe human-robot collaboration
- ◆ Fast setup and simplified programming
- ◆ 10 kg payload capacity with 1,249 mm max. reach
- ◆ Integrated force sensing for enhanced safety
- ◆ Detects contact in multiple directions
- ◆ No Additional Safety Hardware Required

1. MODULAR END-OF-ARM-TOOLING

- ◆ Quick-change tooling for fast setup and changeovers
- ◆ Supports grippers, vacuum tools, and custom EOAT
- ◆ Adapts easily to new parts and applications
- ◆ Ideal for high-mix manufacturing

3. ADJUSTABLE PART FIXTURING

- ◆ Accommodates varying part sizes and geometries
- ◆ Adjustable locating features ensure repeatable positioning
- ◆ Reduces the need for dedicated fixtures
- ◆ Supports flexible production requirements

5. PRECISION LEVELING FEET

- ◆ Provides stable workstation positioning
- ◆ Ensures repeatable deployment and alignment
- ◆ Maintains consistent robotic performance
- ◆ Simplifies setup on uneven floors

4. SWAPPABLE DUAL-PIECE FIXTURING CART DESIGN

- ◆ Load one cart while the other remains in production
- ◆ Reduces changeover time and machine downtime
- ◆ Improves machine utilization and throughput
- ◆ Enables offline part staging for continuous operation

6. MOBILE COLLABORATIVE ROBOT

- ◆ Portable automation for multiple workstations
- ◆ Easily redeployed between machines and cells
- ◆ Compact footprint minimizes floor space requirements
- ◆ Safe collaborative operation alongside personnel
- ◆ Maximizes automation utilization across applications



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