

## — INTRODUCING

# M-TEND.

Matrix's standard collaborative machine tending cell built on the FANUC CRX-20*i*A/L robot: pick, tend, wash, blow-off and stage parts from a single skid-mounted, enclosed workstation.

ROBOT

**CRX-20*i*A/L**

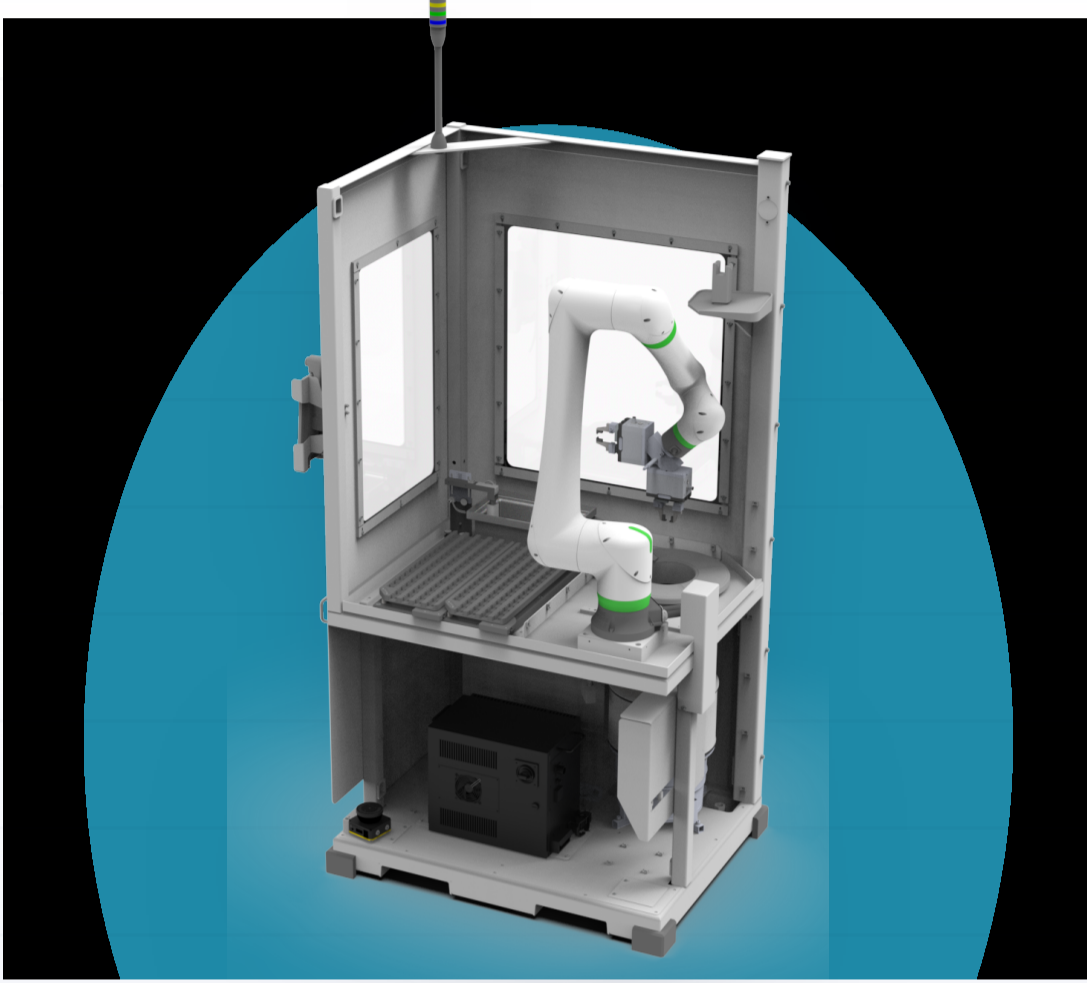
PAYLOAD

**20** kg

REACH

**1418** mm

FOOTPRINT

**34×63** in


**One robot. Five integrated processes.**  
Continuous, repeatable production.

CRX Robot · Fenceless

Dual Schunk Electric Grippers

Quick-Change Gripper Fingers

SICK Safety Scanner

MiJet Blow-Off

Dunk Tank for Part Wash

Base with Fork Pockets

## 01 PROCESS SEQUENCE

- 01 Pick.** Robot retrieves a raw part from the staging nest using dual Schunk electric grippers.
- 02 Tend.** Raw part is brought into machine tool where it is exchanged with a finished part.
- 03 Wash.** Part is unloaded into the dunk tank for submersion in the parts wash basin.
- 04 Blow-Off.** Robot moves the part to the MiJet station to clear residual fluid and debris.
- 05 Place.** Finished part is returned to the appropriate nest or tray for downstream handling.

## 02 SPECIFICATIONS

ROBOT	FANUC CRX-20 <i>i</i> A/L (collaborative)
CONTROLLER	R-30/B Mini Plus
PAYLOAD / REACH	20 kg / 1418 mm
END-OF-ARM	Dual Schunk electric grippers, quick-change fingers
PROCESS STATIONS	Staging nests · parts wash dunk tank · MiJet blow-off
SAFETY	SICK floor scanner · robot-rated, fenceless
FRAME	Skid-mounted welded steel, lift-truck pockets
DIMENSIONS	34" W × 63" D × 82" H

## 03 FACILITY REQUIREMENTS

 POWER DROP  
**240 VAC** 30 A

 COMPRESSED AIR  
**90 PSI** ½" hose

 AIR VOLUME  
**100** CFM
