



Scan the QR code to see the machine working

ROLLING IS ONE OF TOP AUTOMAZIONI'S ROBOTIC SOLUTIONS

INTEGRATED STORAGE MADE OF A SERIES OF PALLETS IN-LINE FOR THE LOADING/UNLOADING OF COMPONENTS

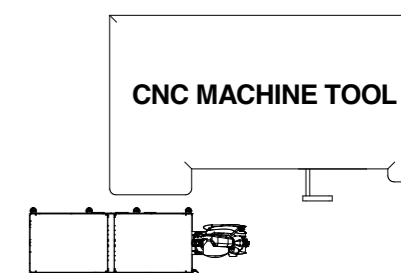
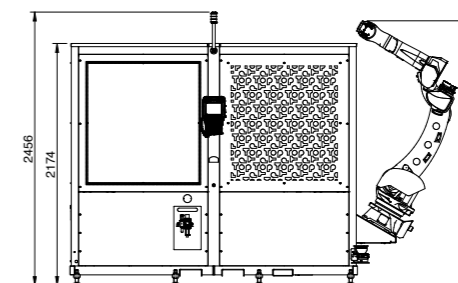
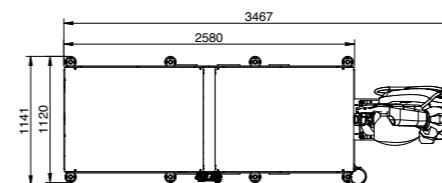
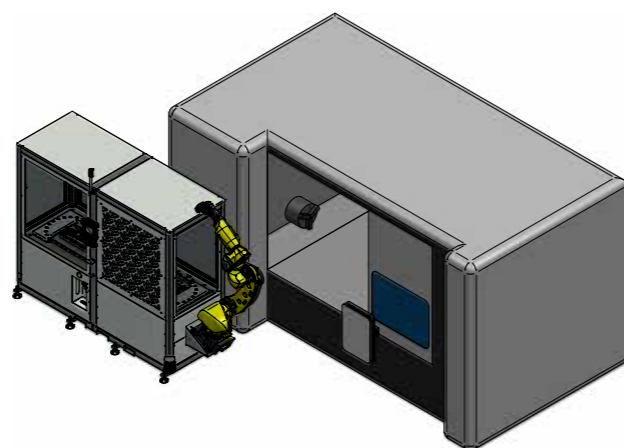
CONFIGURABLE WITH ALL NUMERICALLY CONTROLLED MACHINES SUCH AS LATHES, MACHINING CENTERS, GRINDERS, AND OTHERS EQUIPMENT



ROLLING

LAYOUT AND INSTALLATION

ROLLING is available in several versions (SL - Left, SC - Central, SR - Right) to adapt to any CNC machine tool and related workshop environment. The onboard position of the Fanuc always leaves the intervention area on the CNC machine free, when the ROLLING is not in use. This aspect allows regular and comfortable operation on the HMI panel, convenient set up of the CNC machine and quick equipment's checks.



ROBOT FEATURES

- Fanuc M-20iD25
- Payload 25 kg
- Max reach 2.000 mm, center tool point
- Max speed (J6) 720 °/s
- Repeatability +/-0,02mm
- Wrist protection class IP67
- Weight 250 kg



REVOLVING STACKING PALLETS

- Payload 165 kilos each
- Pallets translation managed by step-driven motor and industrial chain
- Optoelectric barriers for fast and safe workpieces loading



CONTROL UNIT

- Up to 5 CNC machine tools connectable
- Controller R30iB-PLUS
- Intuitive programming
- Friendly interface
- Fanuc collaborative functions
- Touchscreen
- Machine utilization statistics
- Intelligent maintenance prediction software
- Eccentric loading and unloading mode
- Park positioning function
- Pallets-in-line full handling



PALLETS FEATURES

- Modular structure with 7 or 13 or 17 or 21 pallets
- Pallet dimensions 250x250 mm
- Height loading up to 450mm
- Workpieces stacking capability up to:
 - 2 rods version: 200 mm
 - 3 rods version: 250 mm
 - 4 rods version: 220 mm
- Maximum capacity for single pallet 165 kg
- Quick self-centering system
- Carbonitrided frames for maximum durability

GRIPPER FEATURES (TAILORED ON THE PROJECT)

- 2-fingers gripper for rectangular shapes
- 3-fingers gripper for round shapes
- 2-fingers gripper for long shafts
- Customized gripper for specific shapes
- Air blow system
- Quick change system for gripper
- Low air pressure detection



SAFETY FEATURES

- Fanuc Dual Check Safety System integrated with laser scanner
- Pneumatic or servo-motor driven CNC machine door opener with integrated safety circuit



ADDITIONAL WORKING STATIONS

- Parts unloading on box/cage/belt
- Parts positioning on measuring station
- Other tailored customers operations available

