



Turning Robotic Cell (TRC)



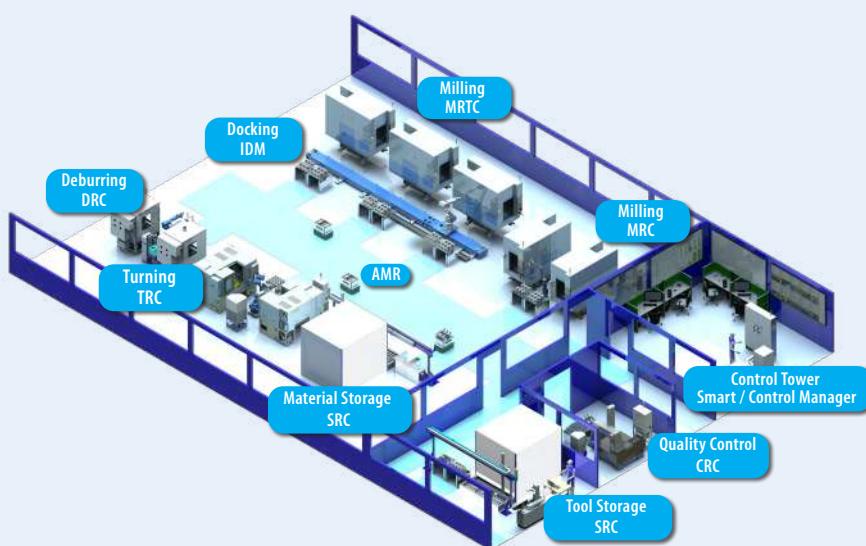
Milling Robotic Cell (MRC)



Deburring Robotic Cell (DRC)



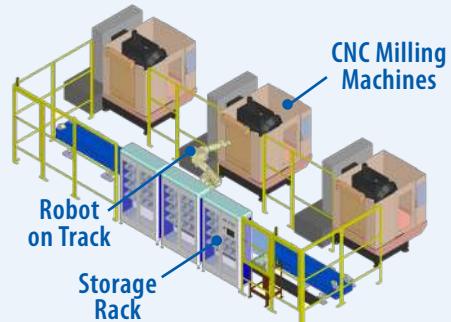
CMM Robotic Cell (CRC)



Precision Engineering
Factory Transformation Solutions

CNC AUTOMATION Products

ASTech is an automation system provider, turnkey solution design house & i4.0 Integrator to transform conventional factory to smart factory by streamlining their manufacturing processes, improve productivity and reduce their operations cost with manufacturing execution system and data analysis.



Milling Robot-on-Track Cell (MRTC)

We specialize in CNC and Die/Mould Automation, we partnered with machine tool companies and Robot makers to deploy robotic solutions for machine tending and secondary processes such as quality inspection, verification, deburring, polishing, washing, drying, filtering, marking, MES and other related processes. Our systems are Industry 4.0 enabled with IoT solutions.

Factory of Future Integrator



RoboLOAD



RoboGANTRY-GR



MATERIAL HANDLING Products

ASTech deployed many material handling solutions catered to customer's needs. It includes Gantry Loader, Robot on the Track and Robot on the Gantry.

ASTech has developed a new product in the Robo series called RoboLOAD. It is a heavy-duty loader for CNC Machine Tending and has the following features:

1. Compact Footprint
2. Payload up to 250kg
3. Configurable Rotary Table up to 8 pallets
4. Capable of interfacing with all brands of CNC machines and Zero Clamp Systems

**Intelligent Docking Module
(RoboDOCK)**



**Autonomous Mobile Robot
(RoboGO)**



RoboTRACK



RoboGANTRY-GL

STORAGE SYSTEM Products



RoboSTACK

Our multi-disciplinary capabilities include:

- Automation System Design & Manufacture
- System Development & Integration
- Control System Design & Software
- Robotics & Computer Vision



RoboRACK



RoboTRAY

CLEANING & MEASUREMENT Products

The Cleaning System that we designed can clean the work pieces by flushing, purging and ultrasonic with different media such as DI water, hot water, solvent, etc.



Cleaning Machine



Deburring & Polishing Machine

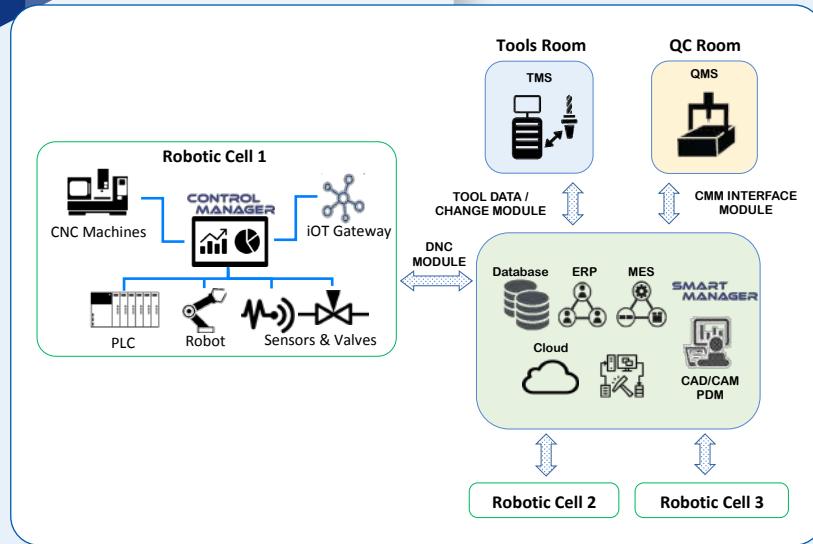
DEBURRING & POLISHING Products

ASTech has vast experience providing auto deburring, polishing and buffering solutions for removal of parting lines and flash from aluminium, plastic, steel, etc..

The deburring, polishing and buffering machines is configurable. The finishing result can be achieved by using 3 to 5 Axis system.

Ind. 4.0 Turnkey Solution

INTEGRATED SOFTWARE PLATFORM Products



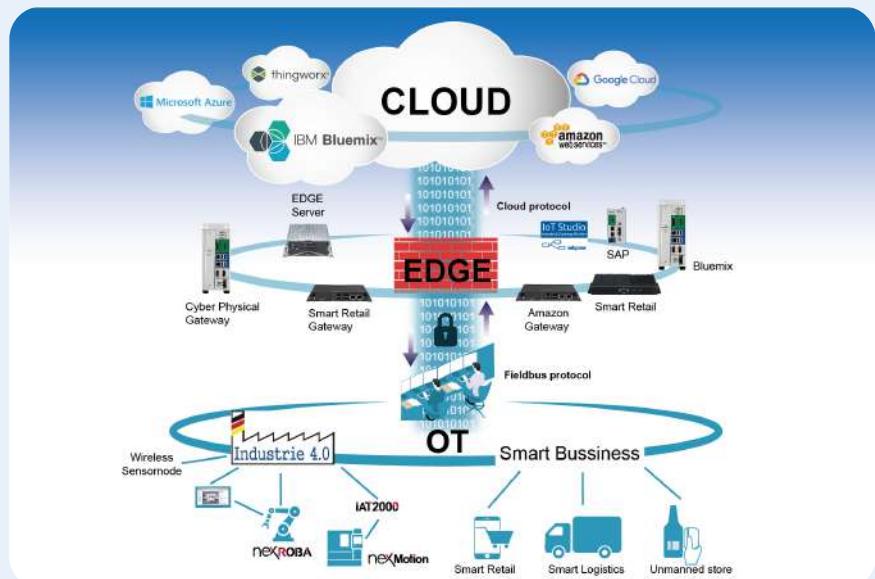
SMART MANAGER / CONTROL MANAGER

Software that Integrates Machines & System seamlessly:

- Auto DNC Module
- Tool Wear & Pitch Auto Compensation Module
- Quality Data Module
- Tool Data / Change Module
- Storage Module
- Turning / Milling Module
- AMR Module
- MES / ERP Interface Module
- Machine Connectivity Module
- CMM Interface Module
- Barcode / RFID Interface Module
- Machine Data Collection Module
- Configurable Robot Sequence Module

IOT AUTOMATION SYSTEM Products

The integrated cloud-enabled services such as remote management, big data analytics, machine learning, and business intelligence (BI) can provide benefits such as remote monitoring to enable exception management and advanced process control.



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