

**SOLUTIONS FOR ASSEMBLY, MACHINE TOOL ENDING,
MATERIAL HANDLING, PACKAGING, WELDING & CUTTING**

1. Robotic Systems Design & Integration

ABB Robotics: 4, 5 & 6 axis industrial robots, tracks, and positioners. Robotics handling to 1,000kg with reaches up to 4.2m.

CLOOS: Manual & robotic welding cells & systems, Robotic Grinding Cells, 6 and 7 axis industrial robots, tracks, and positioners up to 60,000KG.

Gantry Cartesian Robots: 2-axis & 3-axis industrial units

B and R Industrial Automation: Machine-Centric Robotics, Industrial Transport Systems (designed for machine, cell and production lines)

RoboVent: Clean air solutions for combustible dust, welding toxic fumes & particulates, oil mist, cutting particulates, grinding & polishing particulates & area temperature control.

2. 3-D Process Simulation

Complete off-line process programming, testing & validation offering faster startup, commissioning, optimization & production on all systems

3. Control Systems and Motion Control

Certified UL508A panel builder, Rockwell/Siemens expertise

B and R Industrial Automation Motion Control—Industrial IOT, Industrial PCs, HMI's, Vision Systems, Mechatronic Systems

AC/DC/servo drives, stepper motors, linear & rotary actuator solutions

4. Conveyance Systems

Carton & pallet, sanitary, small parts, slat & stainless steel conveyors

5. Machinery Rebuilding, Refurbishment & Upgrading

Complete electrical, mechanical & controls

6. Packaging

Robotic high-speed pick, pack & palletizing

Lantech: case erectors, case sealers & pallet stretch wrapping machines

7. Process Specific Automation Machines

Assembly, drilling & cutting

8. Tooling

In-house CNC milling & turning, reverse engineering on obsolete/unavailable parts, welding jigs & fixtures, robotic end-of-arm tooling (standard & process-specific)

9. Vision Systems

Inspections, Quality Review, Robotic Systems, 2-D & 3-D

10. Service

Application engineering, feasibility studies, engineering studies, installation, integration

In-house PE stamped solutions, writing updated manuals, service & repair of our systems, remote or on-site assistance, local OEM automation **Site-Acceptance Testing** assistance programs



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