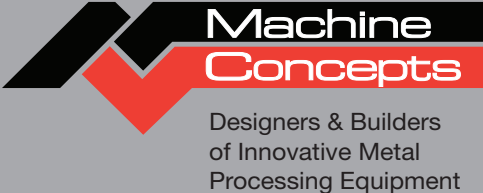
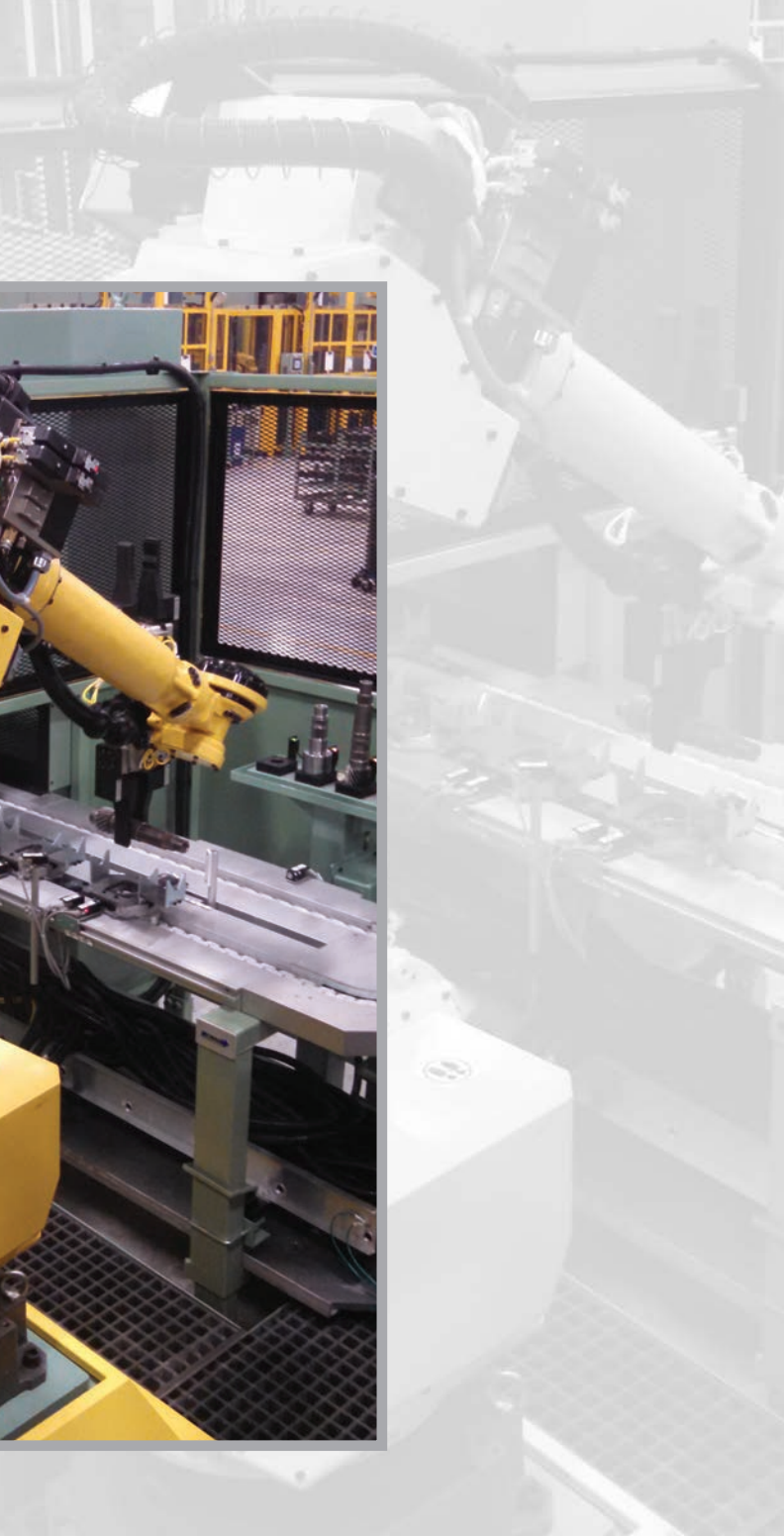
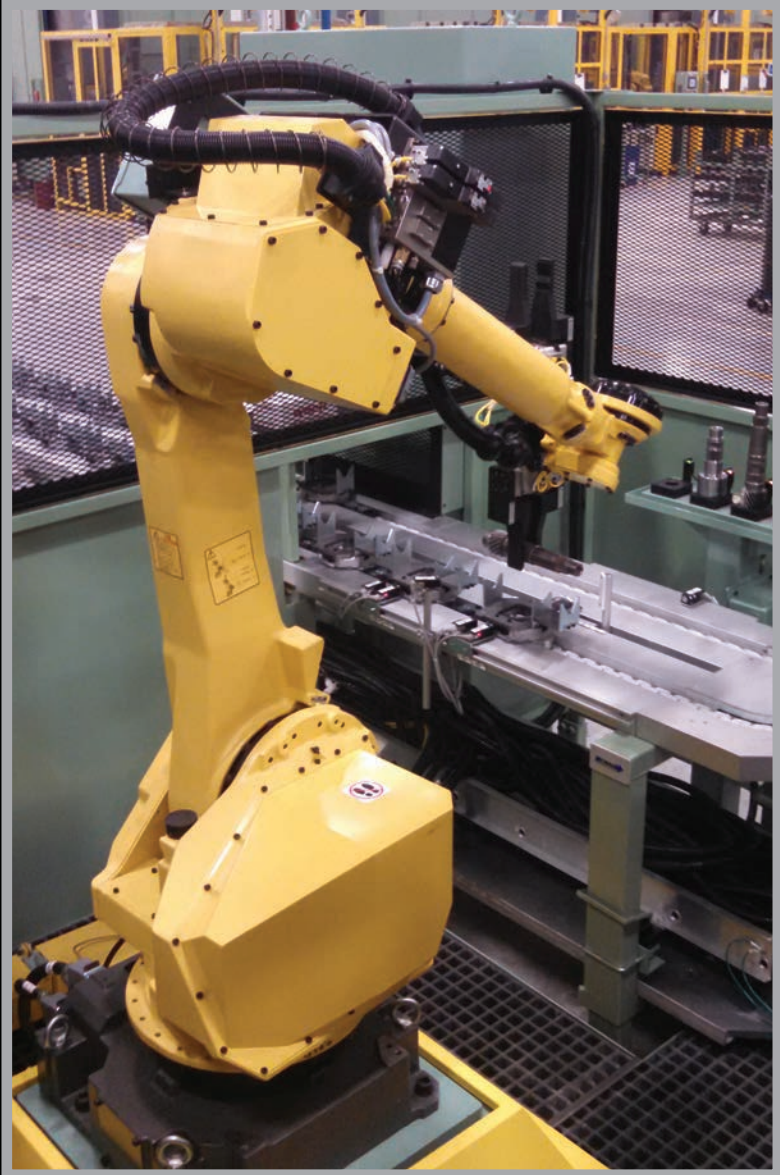


Robotic Integration



We specialize in designing and implementing custom robotic automation solutions to fit your specific manufacturing needs.



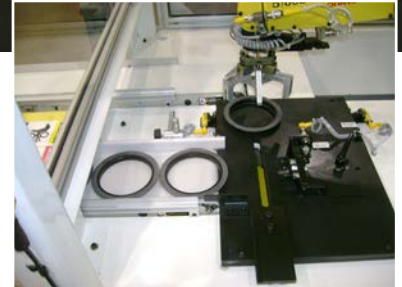
Robotic Integration

Robotic integration is an essential part of making production as efficient as possible. Machine Concepts can help you realize the benefits that industrial robots can bring to your manufacturing operation.

We specialize in designing and implementing custom robotic automation solutions that fit your specific manufacturing needs. Our experienced team of engineers can evaluate your existing production process to get the most from existing assets, while integrating the latest technologies to move your operation to the next level.



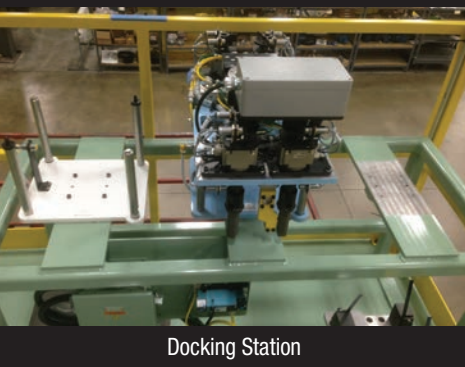
Seal Trimmer



Machine Tending Cell



Inspection Cell



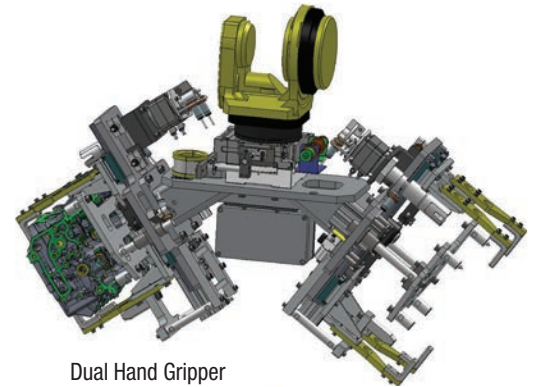
Docking Station

Our Capabilities

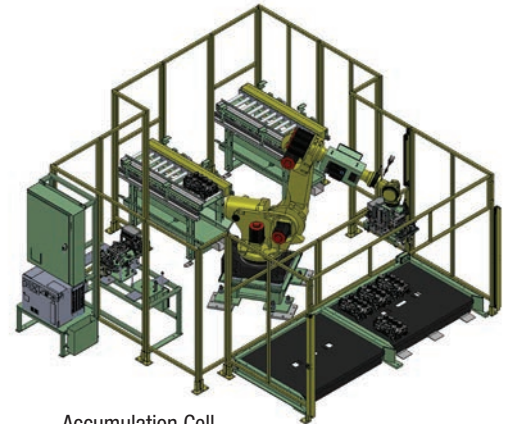
- ▶ Turnkey robotic cells including design, build, installation and startup
- ▶ Retrofit or reprogram existing cells
- ▶ Design and build end effectors
- ▶ Integration with new and existing equipment
- ▶ Programming changes or modifications
- ▶ Model changes with modification or redesign to the end effector

Why Choose Machine Concepts

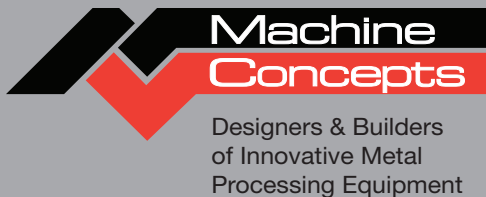
- ▶ Full staff of mechanical and electrical engineers and technicians
- ▶ Extensive experience integrating a wide range of processes including material handling, assembly and operations such as deburring or measuring
- ▶ Robot programmers also handle PLC and HMI programming to streamline integration
- ▶ Well-versed in Allen Bradley and Mitsubishi PLCs as well as experience with other manufacturers
- ▶ Experience with Fanuc IR Vision & Cognex Vision Systems
- ▶ CAD Software: Solidworks, Inventor and AutoCAD
- ▶ Programming Software: Fanuc Robot Simulation Software, Allen-Bradley, Mitsubishi, HMI screens
- ▶ Utilize software to simulate our customer's robot cell, enabling us to pre-program a new robot or make modifications to an existing robot prior to installation, thus reducing production downtime to make the required changes



Dual Hand Gripper



Accumulation Cell



Machine Concepts Inc. modern engineering and manufacturing facility