

# *Innovation*

# Automated & Robotic Mig Weld Systems

Case Study #007



*Robotic mig-weld system Installed at the customer*

### *Featured Design:*

*This turn-key system was taken from concept to installation on the customers floor by HTI.*

*Four index driven turntable load/fixturing stations that present parts to mig-robots and allows operators to simultaneously load parts.*

*Four separate operations are coordinated between three mig-welding and one material handling robots.*

*System includes integrated in-process inspection station and cooling rack, all handled through the PLC.*

### *Specifications:*

*PLC Controlled*

*940 sq. ft. floor space*

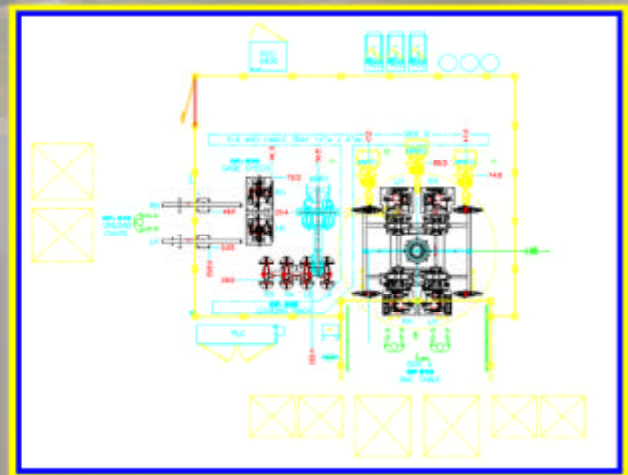
*24 sec. cycle time*

*Coordinated automation*

*Built-in operator safety*



*Coordinated robotic mig-weld and material handling with automated fixturing*



*System designed with multiple operations*