APPLICATION:

Multi-robot flex cell to depalletize parts, perform part validation, machining, and gauging. Cell is equipped to handle 9 part variances and utilizes a number of different technologies to create a truly flexible and sophisticated machine incorporating many features.

Automation System:
Siemens S7 317-2F PN/DP failsafe PLC
Siemens ET200M I/O
Siemens ET200S I/O
Siemens MP277 Multi Panel
Siemens MP177 Mobile Panel
Siemens DP-DP coupler

Motion Control & Drives:
Sinamcis S120 Drives
Sinamics CCU320 motion controller
Sinamics G120 Variable Frequency Drives

Robot:
LR Mate mechanical unit
M10iA mechanical unit
RJ3iB robot controller

Other:
Servo grippers
Barkhaussen Unit
Control Gage unit
Keyence Lasers

Communication:
Profibus
Profinet
Ethernet

SERVICES:
Electrical design
Pneumatic design
Lubrication design
Coolant design
Software design
System Integration &
   Field Commissioning
Production Support
Final Documentation
Training