

“The success of this project can be credited to the engineering group at the supplier. The rapid 3D modeling and tool path simulation work accelerated project completion.”



Success Story: Aluminum Die Casting

Problem:

- Robotic equipment manufacturer wanted to transition precision machined aluminum components to low cost countries.
- Needed to find a cost effective solution that consistently achieved tight tolerances (+/-0.001”).

Action:

- Successfully transitioned parts to China utilizing the same manufacturing methodology – machining from 6061 bar stock. However, savings did not meet target – less than 6% landed cost reductions.
- Worked with customer's engineering team to qualify an A380 die casting solution.

Result:

- Dramatically reduced part cost – 20% material cost reduction and near 45% machining cost reduction (compared to US).
- Demonstrated breadth of supplier's engineering capability and Univalo's value in project management, quality oversight and communication.