



# DETROIT ROBOTICS

COMPLEXITY. AUTOMATED.

## AUTOMATED PRODUCTION

### A RECENT PRODUCTION PROGRAM



- **Predictable Results**
- **Risk Reduction**
- Major long-term **savings**
- Systems to assure **conformity**



### THE CHALLENGE



**31** Unique Part Numbers



**1000** Piece average order size



**7** Assembly programs



**200** Piece avg. part release



**0.001** Max. concentricity & co-axiality required



**60%** Aluminum **20%** Titanium  
**10%** Stainless Steel **10%** Inconel



### THE RECIPE



**6** machining centers



**2-4** operations per part



**6** fully automated cells



**14** secondary operations



**4** dedicated robots



**48** hour change requests



**1** automated bar feeder



**80%-100%** fully automated operations per part



**2** sets matching thread gauges



**2-way** engineering collaboration



### THE RESULTS



**0%** Returns



**99%** On Time Delivery



**100%** Customer Satisfaction

[www.detroitrobotics.com](http://www.detroitrobotics.com)