



DETROIT ROBOTICS

COMPLEXITY. AUTOMATED.

PROTOTYPE PROGRAMS

A RECENT PROTOYPE PROGRAM



- **Accelerated** Lead Times
- **Live SPC & Quality Reporting**
- **Dynamic** Revision Changes
- **Collaborative** Engineering



THE CHALLENGE



270 Unique Part Numbers



2-3 week lead time avg.



7 Finishing Operations



1-3 Avg. part release



9 Critical True Position, Flatness & Parallelism Requirements



50% Aluminum **30%** Titanium
10% Inconel **10%** Plastics



THE RECIPE



All datums machined in a single hold



Automated tool library



Part serialization (etched or engraved)



Full dimensional layouts for FAI



Fully simulated digital shop environment



Fully traceable material and chemical certifications



Redundant NIST traceable gauging



Prototype additive manufacturing



Multiple material speeds & feeds libraries



Visual cues to assure conformity



THE RESULTS



0% Returns



98% On Time Delivery



100% Customer Satisfaction

www.detroitrobotics.com