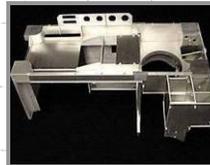
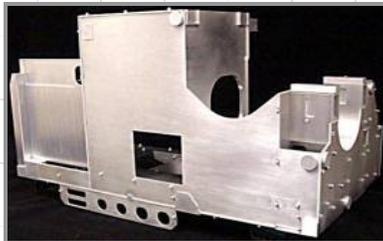
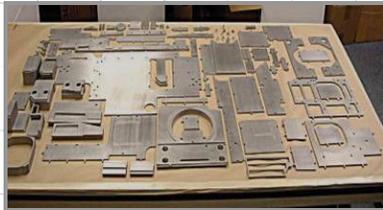
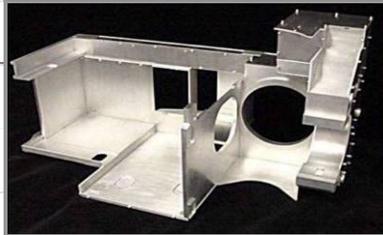


IPO NPOESS NASA Program ITT Industries Instrument Primary Structure



- **86 Individual AlBeMet Details**
- **Individual Brazement Details & Assembly Designed by WessDel from ITT Industries supplied electronic solid model**
- **5 Weeks From Start of Detail Component Fabrication to Brazed Assembly after design finalized**
- **Finished Size: 31" x 15" x 17"**
- **3 Out of 3 Assemblies Successfully Brazed in 1 Brazing Operation each**
- **Vibration response vs. analysis prediction demonstrated the brazement stiffness is essentially the same as a monolithic AlBeMet structure**
- **Component Brazing Fabrication Costs Were a fraction of the Hog-Out Approach Costs and less than casting**

ITT : *"The Brazing Technology provided by our partner WessDel proved to be an excellent Manufacturing Process that produced a component meeting all our structural and quality requirements "*

