



# SPACE INDUSTRY ON-SITE SERVICES

Founded during the space race between the US and the USSR, Astro Pak was created to meet the newly established cleaning requirements for components and launch systems for the aerospace and defense industry. Six decades later, Astro Pak continues to perfect our processes and chemistries in order to provide you with on-site precision cleaning, passivation and testing services. Our pre-operational cleaning processes remove surface contaminants from metal manufacturing, fabrication and installation. We also offer post operation maintenance and re-validation to operational systems with extensive experience working on mobile launch platforms and engine test stands, ensuring that every facet of your gas / liquid fuel system is cleaned to your specifications. Additionally, our fleet of mobile labs are available to perform on-site cleanliness verification in a clean environment that ensures accurate and rapid analytical results.

## CAPABILITIES

- ▶ PRECISION CLEANING / OXYGEN CLEANING
- ▶ FLUSHING, DRYING (CDA) & DEW POINT MONITORING
- ▶ CLEANLINESS VERIFICATION TESTING (NVR, PARTICLE COUNT, UV INSPECTION)
- ▶ BORESCOPE INSPECTION
- ▶ HYDROSTATIC & PNEUMATIC TESTING
- ▶ MEDIA BLASTING
- ▶ PICKLING & PASSIVATION
- ▶ PIPELINE PIGGING

## SYSTEMS & EQUIPMENT

- ▶ HIGH PURITY GAS SYSTEMS (GOX, GH2, GN2, GHE)
- ▶ LIQUEFIED GAS SYSTEMS (LOX, LH2, GN2, GHE)
- ▶ CRYOGENIC SYSTEMS
- ▶ FUEL SYSTEMS
- ▶ HYDRAULIC SYSTEMS
- ▶ HIGH PRESSURE AIR SYSTEMS
- ▶ VACUUM JACKETED PIPING & VESSELS
- ▶ SUPPLY PIPING & TUBING
- ▶ CARBON STEEL, STAINLESS STEEL & OTHER ALLOYS



**HIGHLY TRAINED  
PERSONNEL**



**ADVANCED CHEMISTRY &  
PROCESS TECHNOLOGY**



**RAPID  
RESPONSE**



**STATE OF THE ART  
FACILITIES & EQUIPMENT**



**SUPERIOR  
DOCUMENTATION**