

Team Aerospace Solutions

All Operations work in the TEAM FSM System, this allows live updates to Operations and Management throughout all Testing methods. Reports are generated for each job and attached to the Job/Work Order and issued with Certifications.

TEAM AEROSPACE SOLUTIONS

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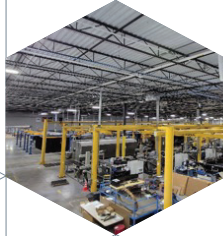
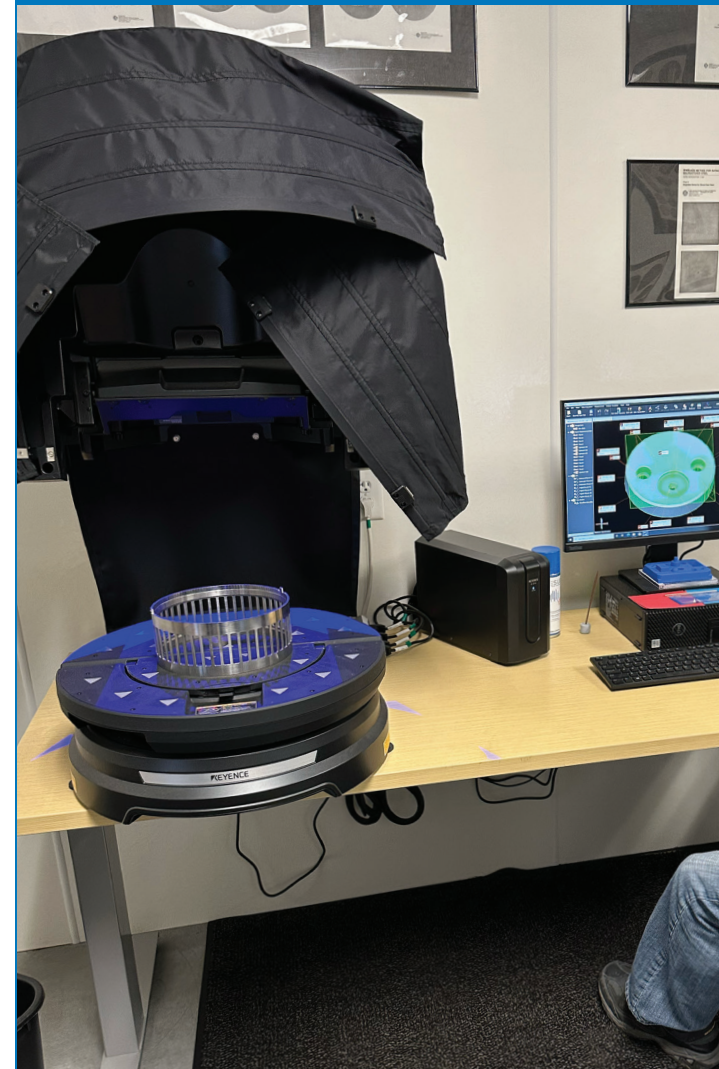
AC7006 Audit
Criteria Equivalent
to ISO/IEC 17025

TEAMINC.COM

TEAM[®]

Safety and Quality Always

Metallurgical Analysis Lab



ANALYSIS
METALLURGY

Our services include:

Metallurgical

Metallurgical Specimen Preparation

- A. Machining test specimen
 - 1. Tensile Test specimens
 - 2. Bend Test specimens
 - 3. Laboratory Test Specimens/Coupons
 - 4. Specialty specimens (weld joints etc.)
- B. Sectioning

Metallurgical Subgroups

- A. Metallurgical Specimen Preparation
- B. Visual & Stereoscopic Examination
- C. Near Surface Evaluation
 - 1. Alpha Case (wrought & cast)
 - 2. Diffusion (carburization, nitriding, decarburization, etc.)
 - 3. Non-conventional machining (EDM, Laser, etc.)
 - 4. Plating evaluation
- D. Core Evaluation
 - 1. Creep Damage
 - 2. Grain size (ASTM average, single grain, super alloy)
 - 3. IGA / IGO
 - 4. Inclusion & carbide rating
 - 5. Joining (weld, braze) evaluation
 - 6. Microstructure characterization
- E. Micro hardness
- F. Macro Evaluation
 - 1. Hardness
 - 2. Surface Preparation
 - 3. Macroetch
 - 4. Replication

Hardness

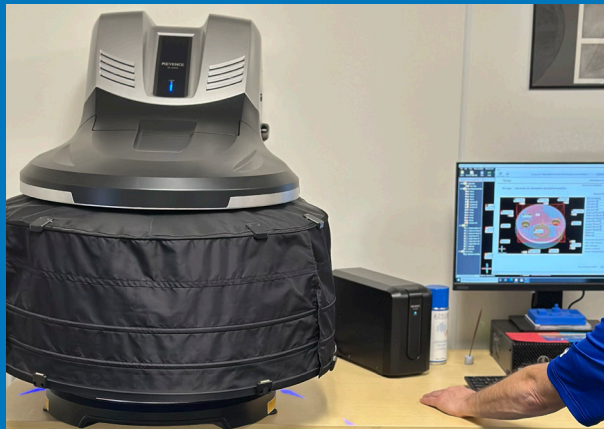
Hardness Subgroups

- A. Rockwell Hardness
- B. Rockwell Superficial Hardness
- C. Brinell Hardness (ASTM Conversion)
- D. Micro Hardness

Microscope (2500x)



3D Scanning System



Metallurgical Analysis Lab works to the most current Industry Standard Revisions for Preparation, Evaluation, Microscopic Examinations and 3D Dimensional for data collection of finished parts.

TEAM®