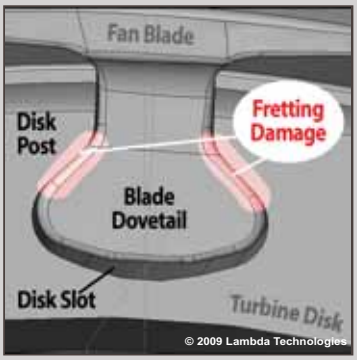
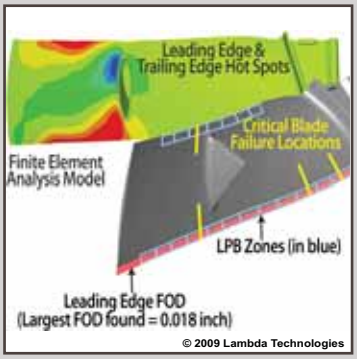
LAMBDA Technologies Group.

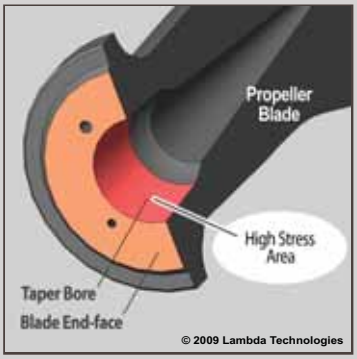
LPB® Application Note

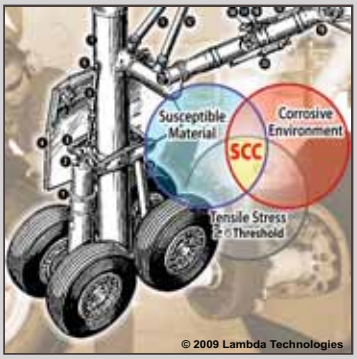
IMPROVING COMPONENT LIFE AND PERFORMANCE

AGING AIRCRAFT









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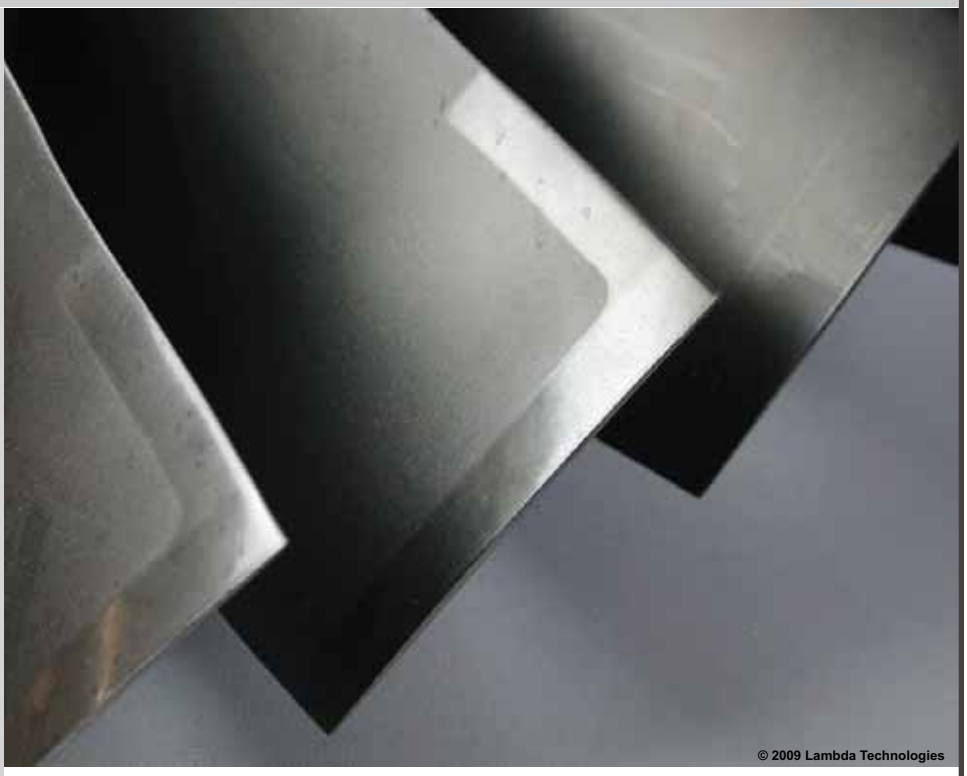

AIRCRAFT COMPONENTS

Aging aircraft face numerous structural and component fatigue issues. Despite these ever-present challenges, due to economic standings and a lack of resources, aging aircraft must remain in service much longer than expected. Low Plasticity Burnishing (LPB®) can slow or entirely eliminate these problems.

- Improves Component Life and Performance
- Reduces Maintenance Costs
- Shortens Inspection Times
- Increases Safety for Personnel and Consumers
- Lowers Replacement Costs

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Damages Mitigated in Aging Components:

- Corrosion
- Fretting
- Foreign Object Damage(FOD)
- Stress Corrosion Cracking (SCC)
- Fatigue Failures

Benefits of Low Plasticity Burnishing (LPB®):

- Reduces inspection, maintenance and replacement costs
- Keeps planes flying years beyond expectation
- Provides increased safety
- Increases Time In Service (TIS)
- Strengthens components without adding weight.
- Requires no change in the alloy materials.
- Can be performed with existing machinery during MRO or in-situ
- Closed-loop process control exceeding Six Sigma

Credentials:

- FAA Accepted Process and Repair Facility
- ISO/IEC 17025 Accredited Laboratory
- ISO 9001:2008 Certified

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