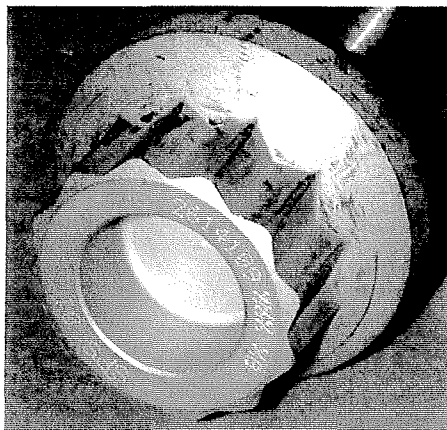


Shot peening gets into a tight spot at Honeywell Aircraft Landing Systems

Honeywell Aircraft Landing Systems (ALS) produces over 16,000 wheels per year for commercial and military aircraft. Every critical part of a wheel is shot peened at Honeywell ALS to alleviate the reduction in fatigue strength caused by the sulfuric anodizing process which is needed for the corrosion protection of the wheels. In addition, shot peening is also needed to negate any tensile residual stresses induced during the production processes of the wheels.



The tie bolt for the A340-600 inboard wheel benefits from shot peening.

It was a combination of all the axes, primarily "B", "Y" and "Z" axes.

Visitors to the shot peening work area at ALS can't help but notice that it is a quiet and dust-free work environment. "We use conditioned cut wire so the shot peening process is very clean," according to Paul. "Plus, because our parts are so clean, the paint adheres better. We couldn't do what we do without our air peening equipment and we are continually researching ways to extend our capabilities with it,"

ALS has shot peened wheels and piston housings since its inception in 1927 and its team of engineers and operators continually strive for improvements through shot peening.

ALS recently acquired two air peening machines. According to Paul Mejer, Manufacturing Engineer at Honeywell ALS, "The four quadrant shot peening capabilities of these machines enabled us to shot peen the hard-to-reach tie bolt hole. In particular,

Paul added.

In addition to process improvements through its equipment, ALS places a high priority on training. Its shot peening engineers, crew leaders and operators will be taking an on-site training program. The course will focus on maximizing the company's ability to use the air peening equipment to its highest potential.



 **Electronics Inc.**
Shot Peening Controls

On-Site Training

Electronics Inc. (EI) conducts on-site shot peening training for companies and military bases that want to improve the quality and control of their shot peening processes.

The two-day training consists of both classroom instruction and shop proficiency demonstrations.

The training program concludes with an exam, review, and the awarding of Certificates of Completion. Additional services available include equipment evaluations and process audits (compliance with specifications and ISO 9000 requirements).

The training is ideal for operators, supervisors, CD technicians and part-life designers.

Electronics Incorporated provides Inspection Authorization renewal courses for the Federal Aviation Administration (FAA): Rotary Flap Peening (Course #4000GL016), Shot Peening Audits (Course #0600GL008), Shot Peening & Blast Cleaning Workshop (Course #1601GL018), and Shot Peening Training (Course #3600GL016)



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For more information, call us or visit our web site.

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