

# SHOT PEENING SPECIFICATIONS

Electronics Inc. | [www.electronics-inc.com](http://www.electronics-inc.com)

## AMS2432 Rev E

The SAE Aerospace Surface Enhancement Committee (ASEC) has released Revision E for AMS2432 Shot Peening, Computer Monitored. The previous version of the spec required only  $\pm 10$  of full scale. AMS2432 Rev E has tighter tolerances for media flow rates. Revision E requires  $\pm 10\%$  of setpoint. This revision affects the MagnaValve® product line for air-blast machines. The MagnaValve is a media flow valve manufactured by Electronics Inc.

AMS2432 is widely followed by the aerospace community and it was an aerospace prime in ASEC that initiated the revision. According to Jack Champaigne, Chairman of ASEC and President of Electronics Inc. (EI), “This specification revision brings consistency and clarity to aerospace OEMs and MRO facilities. In the past, companies had different tolerances for different flow rates—sometimes there were different tolerances within one company. EI’s older MagnaValves can be calibrated to meet this revision upon request. Our new 600 series MagnaValve will be able to meet AMS2432 Rev E as a standard feature.”

Jim Whalen, President of Progressive Surface, added: “Aligning AMS2432 with many current other OEM specifications will go a long way to improve the consistency of how the Aerospace industry controls the peening process. This will help suppliers to deliver peening equipment that can be certified to meet both the AMS2432 as well as many of the OEM requirements using consistent calibration limits.” ●

### AMS2432

The specification establishes the engineering requirements for computer monitored peening of surfaces of parts. Computer-monitored peening is intended to provide a method of process observation, traceability, and response for all process input settings, in real time, during the entire peening process to ensure with objective evidence, the desired process outputs. AMS2430 forms an integral part of this specification.

### SAE Aerospace Surface Enhancement Committee (ASEC)

The aim of the Aerospace Surface Enhancement Committee (ASEC) is to provide the aerospace industry and government agencies, in the public interest, with the technical benefits which accrue from cooperative activities and through the synergistic interchange of ideas and experience of members. ASEC was created to focus on surface enhancement technologies including shot peening, laser peening, roller burnishing and other surface treatments.

SAE2432E is available for purchase at the SAE website in digital or print format. At the time this article was published, the price was \$84.00.

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Shot Peening

NDT

Mass Media Finishing

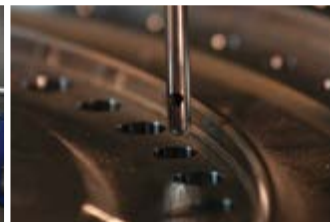
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