

StressWave Cold Working Technical Papers

- Easterbrook, Eric, and Landy, Michael, "Evaluation of the StressWave Cold Working (SWCW) Process on High-Strength Aluminum Alloys for Aerospace," AFRL-RX-WP-TR-2009-4027, Air Force Research Laboratory, Wright-Patterson AFB, OH, February, 2009.
- Boni, L., Lanciotti, A., Polese, C., "Fatigue and Crack Propagation in Open Hole Specimens with Cold Worked Holes," Department of Aerospace Engineering, University of Pisa, Pisa, Italy International Committee on Aeronautical Fatigue (ICAF) Conference, Pisa, Italy, 2007.
- Duchet, M, Rossillon, F., Galtier, A., Landy, M., Easterbrook, E., "Improvement of Fatigue Strength of Spot Welds Using StressWave Technique," Welding in the World, Vol. 52, no. 1/2, 2008.
- Kim, Dae-Wook, Allen, Phil, Nam, Taeksun, Shin, Hyeon-Jae, "Effect of Cold Working on Exit Burr Formation in Drilling," Transactions of NAMRI/SME, Volume 34, pp. 317-324, 2006.
- Tan, Jeffrey M.L., Fitzpatrick, Mike E., and Edwards, Lyndon, "Fatigue Crack Growth at Stresswave Cold Worked Holes," Structural Integrity Group, Department of Materials Engineering, The Open University, Milton Keynes, UK, 2005.
- Lim, B., Ryu, S., Blake, D., Kim, D., "Improvement of Fatigue Strength in Al Alloy Spot-welds by Cold Working," 13th International Pacific Conference on Automotive Engineering (IPC-13), Gyeongju, Korea, August 2005.
- Kim, D., Spitsen R., Khosla, T., Li, W., Ryu, S., Lim, B., "A Study on Cold Working of Aluminum Spot Welds to Improve Fatigue Strength," Transactions of NAMRI/SME, Vol. 33, pp.251-258, May 2005.
- Blake, D., Spitsen, R., Kim, D., Flinn, B. D., Ramulu, M., "Weld Quality Effects on Fatigue Enhancement of Resistance Spot Welds," Proceedings of 2005 Society of Experimental Mechanics Annual Conference & Exposition, Portland, OR, June 2005.
- Flinn, B. D., Spitsen R., Kim, D, Nam, T., Easterbrook, E., "Fatigue Strength Improvement of Low Carbon Steel Resistance Spot Welds by the StressWave™ Process," SAE Paper Number 2005-01-903, SAE World Congress, April 2005.

- Spitsen, R., Kim, D., Flinn, B., Ramulu, M., Easterbrook, E. T., "The effects of post-weld cold working processes on the fatigue strength of low carbon steel resistance spot welds," Proceedings of 2004 ASME International Mechanical Engineering Congress & Exposition, November 13-19, 2004, Anaheim, California.
- Flinn, B. D., Wiegman, M. E., Landy, M., Nam, T., Easterbrook, E., "StressWave Fatigue Life Improvement Process," SAE Technical Paper #2004-01-0630, SAE World Congress, 2004.
- Easterbrook, E., and Landy, M., "Fatigue Life Enhancement of Fastener Holes Manufactured from High Strength Aluminum Alloys," SBIR Phase 1 Final Report AL-14-0001AE, Air Force Research Laboratory, Wright-Patterson AFB, OH, December , 2004.
- Flinn, B.D., Wiegman, M.E., Sigelmann, M., Nam, T., Easterbrook, E., Mines, A., "StressWave Fatigue Life Improvement of 6Al-4V Titanium for Medical Implants," American Society of Metals, 2003.
- Easterbrook, Eric. T., Flinn, Brian D., Meyer, Chris A., Juhlin, Nils, "The StressWave Fatigue Life Enhancement Process," SAE Technical Paper #2001-01-2578, SAE Aerospace Automated Fastening Conference, 2001 Aerospace Congress, Seattle, WA, September 2001.
- StressWave Technical Report AL-02A, "Fatigue Testing of 2024 Low Load Transfer Aluminum Specimens," September 15, 2002, StressWave, Inc.
- StressWave Technical Report AL-04, "Fatigue Testing of 6061-T6 Zero Load Transfer Aluminum Specimens," September 1, 2001, StressWave, Inc.
- StressWave Technical Report AL-06, "Fatigue Testing of 0.040 inch Thick 2024-T3 Aluminum," November 15, 2001, StressWave, Inc.
- StressWave Technical Report AL-07, "Fatigue Testing of 7050-T7451 Aluminum," March 1, 2002, StressWave, Inc.
- StressWave Technical Report AL-09-2, "Fatigue Testing of 2X24 Low Load Transfer Aluminum Specimens," September 1, 2002, StressWave, Inc. StressWave Technical Report TI-01, "Fatigue Testing of 6Al-4V Titanium," July 1, 2001, StressWave, Inc.
- StressWave Technical Report TI-03, "Bending Fatigue Testing of 6Al-4V Titanium Rod," September 20, 2002, StressWave, Inc.
- StressWave Technical Report ST-01, "Fatigue Testing of 4340 Steel," July 1, 2001, StressWave, Inc.