

Shockform Aeronautique announces the launch of portable needle-peening repair tool Spiker®-ES

Integrating the Shockform's proprietary E-Strip® intensity measurement technology, the Spiker®-ES represents the start of a new era in the peening industry

Montreal, Quebec Apr 26, 2022 ([IssueWire.com](https://www.issuewire.com)) - April 26, 2022. Shockform Aeronautique, the inventor and manufacturer of the FlapSpeed®PRO, the Spiker®, and SmartPeen®, today announced the launch of the **new Spiker®-ES**.

Shockform will introduce a new generation of its SPIKER® needle peening tool, the [Spiker®-ES](#). The Spiker® has been developed with aero engines manufacturers for **repairs directly on the engine with no risk of Foreign Object Damage (FOD)**. With the Spiker®-ES, peening is performed using tungsten carbide needles and the process parameters are continuously monitored, controlled, and recorded. The Spiker® family is used for **controlled pneumatic needle peening on engines and structures**.

The new SPIKER®-ES comes with an **embedded [E-Strip®](#)**, the latest innovation from Shockform **to measure the peening intensity in real-time**. The E-Strip has been inspired by the **Internet-of-Things (IoT)** approach, connecting machines with applications to improve data analysis and process control. The E-Strip® intensity measurement sensor is meant to replace Almen strips that are currently used in the aerospace by the OEMs and MRO industry to test peening impacts.

“The embedding of Shockform's E-Strip® technology in the Spiker®-ES needle peening tool represents the start of a new era in the peening industry, where peening becomes more efficient, more precise, and greener, since the embedded E-Strip® sensor is meant to replace thousands of metal Almen strips with a few electronic sensors,” explains Brigitte Labelle, president of Shockform.

“We know that repair of hard-to-reach areas can take days, just for masking alone. With the Spiker®-ES, **needle-peening engine repairs are done in hours**”, she continues. “Everything at the Spiker®-ES has been developed by Shockform, from tool to needles and accessories, making peening repairs precise, efficient and safe.”

ABOUT SHOCKFORM

[Shockform](#) is a women-owned company present in major aerospace hubs in North America, Europe, and Asia. Shockform has developed unique expertise and an innovative approach to repair and enhance metal surfaces with specialized mobile equipment that allows us to fulfill its mission: quality, productivity, and safety for all shot peening processes.

Shockform is the inventor and manufacturer of the FlapSpeed®PRO for flapper peening,

the Spiker® for needle peening, and the SmartPeen® for controlled manual peening. These award-winning repair tools are recommended in major OEM specifications such as SAE AMS, SMR, and Nadcap as well as major military specifications such as TFO, making Shockform a leader in the aerospace repair solutions for landing gear, engines, and critical structural components.

For more information about Shockform, visit its website at www.shockform.com

For more information about the Spiker®-ES needle peening repair tool, visit its website at <https://shockform.com/product/spiker-controlled-pneumatic-needle-peening>

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