FlapSpeed™ Controller
For Controlled Rotary Flap Peening.

WWW.SHOCKFORM.COM
The New FlapSpeed™ Controller V.3 with Spedron™ Technology offers flapper peening that is:

**BETTER**
- Controller continuously monitors and adjusts the RPM for more reliable and repeatable peening every time
- Alarm will sound if rotational speed is out of tolerance
- USB recording of process parameters in real time
- Touch Screen User Interface

**FASTER**
- With the personalized Intensity versus RPM curves for up to 5 operators
- Spend less time on preparation and more time peening.

**EASIER**
- Press start and get the exact rotational speed
- Use the integrated stopwatch or countdown timer to do saturation curves.
- Easily meet Nadcap and other process requirements

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**FlapSpeed™ Controller - Air (FPK-A102)**

Includes:

- FlapSpeed™ Controller with touch screen user interface, USB data recording, 'Intensity vs. RPM' curves for 5 operators, stopwatch and countdown timer, Air Grinder (straight or 90 deg.) with speed sensor, buzzer and on-off switch, Travel Case, Certificate of Calibration, User Manual (paper and .pdf copy)

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**FlapSpeed™ Complete Kit - Air (FPK-A103)**

The Kit Includes:

- 1 FlapSpeed™ Controller (FPK-A102 above), 1 Magnetic Almen Strip Holder, 1 Mandrel for 9/16" X 1-1/4" Flaps, 10 Flaps 9/16" X 1-1/4", 100 Almen Strips A1

Note: If you are starting out in peening, you may also need an Almen Gage

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**FlapSpeed™ Controller - Electric (FPK-E102)**

Includes:

- FlapSpeed™ Controller with touch screen user interface, USB data recording, 'Intensity vs. RPM' curves for 5 operators, stopwatch and countdown timer, Speed sensor, Travel Case, Certificate of Calibration, User Manual (paper and .pdf copy)

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**FlapSpeed™ Complete Kit - Electric (FPK-E103)**

The Kit Includes:

- 1 FlapSpeed™ Controller (FPK-E102 Above), 1 Magnetic Almen Strip Holder, 1 Mandrel for 9/16" X 1-1/4" Flaps, 10 Flaps 9/16" X 1-1/4", 100 Almen Strips A1-S

Note: If you are starting out in peening, you may also need an Almen Gage
Specifications for flapper peening, only the FlapSpeed™ Controller helps you meet these requirements and gives you documentation to support it.

**NADCAP:**
The Nadcap organization, representing Boeing, Bombardier and other OEM’s, has published the Audit Criteria AC 7117/4 that requires that the equipment used for flapper peening consistently maintain the RPM to conform to the required Almen intensity.

**MILITARY SPECIFICATION:**
The MIL-R-81841 for flapper peening requires that a speed control be used and that the equipment be capable of reproducing consistently the required peening intensity.

**SAE:**
In December 2010, SAE issued the specification AMS 2590 addressing flapper peening. It requires that the rotary tools be capable of reproducing consistently the required peening intensities. Either pneumatic or electrically-powered tools properly speed-controlled are acceptable.

### FlapSpeed™ Accessories and Consumables:

<table>
<thead>
<tr>
<th>Description</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional 90 degree Air Grinder with installed speed sensor, buzzer, on-off switch and 25 ft. Hose (FGR-090)</td>
<td><img src="image1.png" alt="Image" /></td>
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<tr>
<td>Additional straight Air Grinder with installed speed sensor, buzzer, on-off switch and 25 ft. Hose (FGR-000)</td>
<td><img src="image2.png" alt="Image" /></td>
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<tr>
<td>Almen Digital Gauge (FPG-1000)</td>
<td><img src="image3.png" alt="Image" /></td>
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<tr>
<td>Magnetic Strip Holder 2&quot; X 7&quot; X 1&quot; (FPM-1000)</td>
<td><img src="image4.png" alt="Image" /></td>
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<tr>
<td>9/16&quot; X 1&quot; 3M Roto Peen Flap (FLAP-100)</td>
<td><img src="image5.png" alt="Image" /></td>
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<tr>
<td>9/16&quot; X 1-1/4&quot; 3M Roto Peen Flap (FLAP-125)</td>
<td><img src="image6.png" alt="Image" /></td>
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<tr>
<td>1&quot; X 2&quot; 3M Roto Peen Flap (FLAP-200)</td>
<td><img src="image7.png" alt="Image" /></td>
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<tr>
<td>Mandrel 7212 for 9/16&quot; X 1&quot; Flap (FPM-0100)</td>
<td><img src="image8.png" alt="Image" /></td>
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<tr>
<td>Mandrel 7210 for 9/16&quot; X 1-1/4&quot; Flap (FPM-0125)</td>
<td><img src="image9.png" alt="Image" /></td>
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<tr>
<td>Mandrel 7211 for 1&quot; X 2&quot; Flap (FPM-0200)</td>
<td><img src="image10.png" alt="Image" /></td>
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<tr>
<td>Almen Strip A-1 box of 50 (Almen A-1)</td>
<td><img src="image11.png" alt="Image" /></td>
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Shockform Offers you FAA Certified Flapper Peening Training On-Site!

On-Site Training & Certification
Shockform Aeronautique Inc offers a one day Rotary Flapper Peening Certification Program on customer’s premises, that includes classroom instructions and shop practice. Certificates of Proficiency are awarded to those demonstrating shop practice competence and passing a written examination. This certification is part of Electronics Inc. (EI) training approved by the Federal Aviation Administration (FAA).

Shockform Streamlines the Purchasing Effort!

For more information, please contact us at:

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