

# Rotary Flap Peening Workshop in Torquay, Devon UK

**MFN**  
www.mfn.li

**Date: 20<sup>th</sup> of March 2023**



This MFN Workshop is a training resource for all organisations needing to train operators or supervisors in the Rotary Flap Peening process. The training does not require prior experience of the process and provides complete theoretical background and hands-on training up to qualified practitioner level. The resulting certification provides evidence of process knowledge and a record of the demonstration of proficiency. These are required in all modern quality management systems and customer specifications. This course is relevant to operators in Original Equipment Manufacture (OEM) and Maintenance, Repair and Overhaul (MRO).

### FAA accepted Course:

The course offered during the workshop is FAA accepted. Participants who pass the optional examination receive a "Certificate of Achievement", which has the related FAA acceptance number on it. The FAA acceptance gives comprehensive acceptance of capability for certified individuals. This third party approval of the training also conforms to European Continuing Airworthiness requirements for special processes.

### MFN is Partner in Education in Nadcap:

Nadcap and MFN have agreed to recognise and promote the cooperation between the two organisations in areas of common interest according to their purpose, namely aerospace special process assessment. The cooperation will be known as "Partners in Education" and is intended to create synergy, making optimal use of the resources available, for the accreditation related activities offered by both organizations so as to provide an effective and efficient service to the aerospace industries in the world.

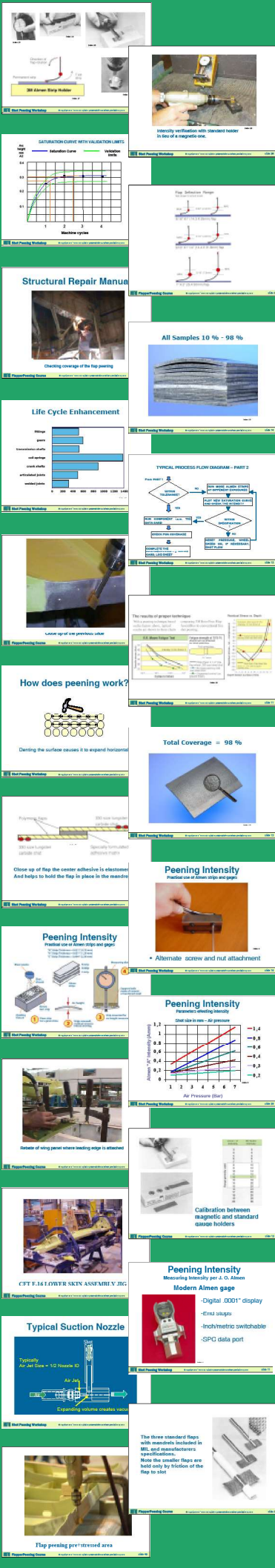
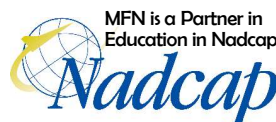
### Scope of the Workshop training:

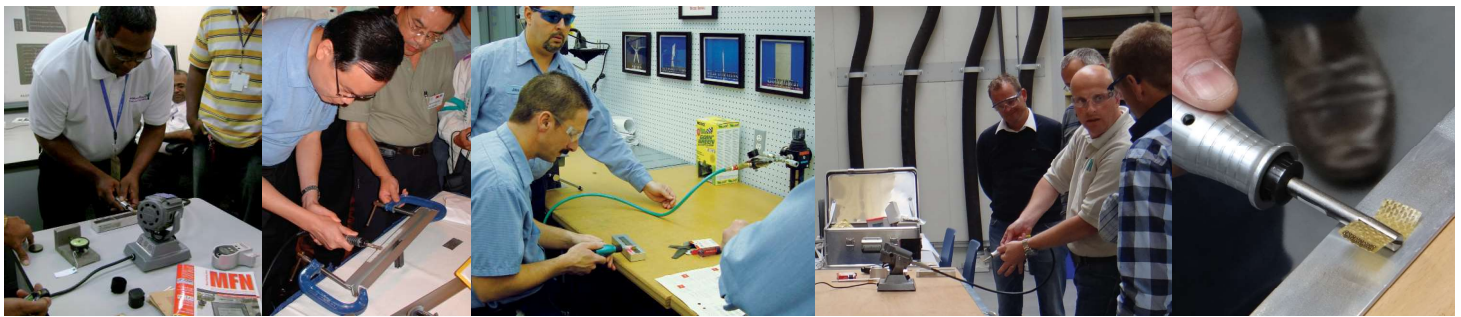
The training begins with a thorough review of the process, covering technical, operational and quality requirements. A short written test ensures the understanding of the participants. There is then the familiarisation with the equipment and techniques, including individual mentoring and appraisal. Each participant will demonstrate their proficiency to the requirements of SAE AMS 2590 Rotary Flap Peening. The content of the training takes account of requirements in the industry standard AMS 2590 Rotary Flap Peening, Nadcap AC7117 audit criteria and aerospace proprietary specifications.

**Meets and exceeds the training requirements of AMS2590**

### General information:

- duration: 1 day
- registration fee: €550 / £460 / person
- including trainings material and lunch
- optional certificate of achievement with FAA ref. no.: €100 / £85
- location: Royal Torquay Yacht Club, Torquay, Devon UK (please see page 3)
- class size is limited, make early reservations
- payments to be made before the workshop, group discount available





## MFN Flap Peening Course Training Syllabus

| Main Topics                             | Description  | Duration                  |
|---|--|---------------------------|
| - Introduction to Flap Peening          | How peening works; History of Peening; Flap selection; Straightening & forming; Applications   | 08:45 – 09:30<br>45 min.  |
| - Flap Peen Intensity & Coverage        | What is peening Intensity? Measuring peening intensity; Almen equipment; Saturation curves; Coverage inspection  | 09:35 – 10:20<br>45 min.  |
| - Morning Break                         | Refreshments   | 10:20 – 10:40<br>20 min.  |
| - Flap Peen Procedure & Quality Control | Initial intensity & speed; Flap selection; Verification of intensity; Peening Internal diameters; Coverage inspection; Qualification requirements; Specification & Standards | 10:40 -11:20<br>40 min.   |
| - Flap Peen Theory Test                 | Multiple choice questions; saturation curve construction and analysis  | 11:25 – 12:00<br>35 min.  |
| - Lunch Break                           | Light lunch  | 12:00 – 12:40<br>40 min.  |
| - Individual Assessments                | AMS 2590 qualification requirement   | 12:40 – 14:30<br>110 min. |
| - Afternoon Break                       | Refreshments   | 14:30 – 14:50<br>20 min.  |
| - Individual Assessments                | AMS 2590 qualification requirement   | 14:50 – 16:30<br>100 min. |

|   |   |
|---|---|
| <b>Registration:</b>  |   |
| Name:   | Surname:  |
| Company:  | Street:   |
| Postal Code:  | City:   |
| Country:  | Phone:  |
| E-mail:   | Fax:  |
| Course Flap Peening (€550 / £460): <input type="checkbox"/> | Certificate of Achievement (€100 / £85): <input type="checkbox"/> |



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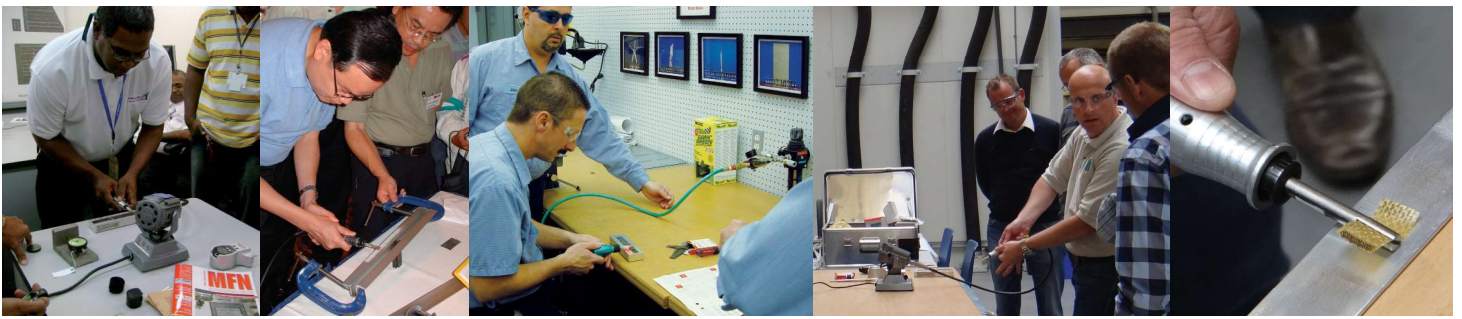


The Trainers:  
Paul Huyton  
Official MFN Trainer,  
Book Author and Director of  
Course Content for the MFN  
Shot Peening Courses

More details at [www.mfn.li/trainers](http://www.mfn.li/trainers)

**E-mail Registration Form to [paul@mfn.li](mailto:paul@mfn.li)**





## Workshop Location:



### Information:

**Royal Torbay Yacht Club, Torquay, Devon UK**  
**12 Beacon Terrace**  
**Torquay**  
**Devon**  
**TQ1 2BH**



**Headquarters Switzerland**  
**Tel +41.44.831 2644**  
**info@mfh.li, www.mfn.li**



Certificate indicating FAA Ref. Nr.

### Courses available at MFN:

- ▶ Shot Peening L1-L3 **FAA accepted!**
- ▶ Practical Shot Peening
- ▶ Flap Peening **FAA accepted!**
- ▶ Blast Cleaning & Surface Preparation
- ▶ Residual Stress Measurement
- ▶ Tumbling & Vibro-Finishing **FAA accepted!**
- ▶ Surface Enhancement Technologies
- ▶ CONSULTING: Shot Peening