

2<sup>nd</sup> Edition

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# Shot Peening

-completely revised!  
-3 additional chapters!

Also New:  
Glossary  
with Index  
References

## A Dynamic Application and Its Future

Edited by  
Steven Baiker

Foreword by  
Paul McIntyre

### Authors

Francois-Xavier Abadie	Wolfgang Hennig
Peter Beckmerhagen	Paul Huyton
Mohammed Belassel	Marco Klijsen
Michael Brauss	David Lahrman
Allan Clauer	Guy Levasseur
Nai Puay Guan	Eckehard Müller
Mario Guagliano	James Pineault
Heribert Gray	Shlomo Ramati
Giovanni Gregorat	Ananda Talukdar
Markus Halder	Rich Tenaglia



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# New: 2nd Edition On Shot Peening!

"This book, *Shot Peening*, comprises a series of articles, each written by an acknowledged expert in the field. It is highly recommended for anyone interested in using shot peening to improve the performance of structural components, particularly those that are expected to experience subsequent fatigue loading."

**Prof. Lothar Wagner**

**Acting Director, Institute of Materials Science and Engineering,  
Clausthal University of Technology, Germany**

"This worthy collection of practical know-how and technological references is the roadmap for successful shot peening operations. A considerable achievement which will be a landmark in the industry".

**Erwan Henry**

**Commercial Director, Ervin Amasteel**

"I am pleased to note that MFN pooled its team of experts to write a book on shot peening. The technical contents provide good coverage on the subject and serve as a very useful guide and training reference to industries."

**James Leung**

**Deputy Director, Mechanical Engineering Division, School of  
Engineering, Ngee Ann Polytechnic Singapore**

## The Authors



It is not often that a work of technical literature becomes a bestseller, especially since the market is usually very limited. But the 1st edition of SHOT PEENING has been an exception and it is totally sold out. Therefore we have decided to publish a 2nd edition. The new edition has been completely revised and updated with 3 additional chapters and 4 new authors. Various new technologies have been added. The fact that this book is written by 22 experts in our industries, coming from as many as 11 countries, demonstrates the wide range of knowledge covered. The aim of the authors is for this edition to become the reference book for the shot peening industry. SHOT PEENING also draws on the experience of providing shot peening training courses around the globe in up to eight languages. This training is carried out by MFN (Metal Finishing News), an organization that has over 30 trainers and access to three permanently-available training centers. Thousands of people have attended these shot peening courses over the past years. This book will give its readers fundamental and advanced knowledge about shot peening. Should there still be open questions, just contact MFN headquarters in Switzerland at [questions@mfni.li](mailto:questions@mfni.li).

### Topics:

introduction to peening and theory, peening intensity, effect of peening, Almen saturation curves, peening coverage, exposure time, trouble shooting, process documentation, masking solutions, workpiece fixtures, shape & size inspection of peening media, cut wire, cast steel shot, ceramic media, specifications, shaded strips, audits by third parties, peening equipment components, air & wheel peening, machinery types and application examples, hole peening, flap peening, peen forming, optimization of shot peening for fatigue critical applications, residual stress, XRD measurement, quantitative characterization of shot peening process, laser peening, shot peening in the automotive industry, also introducing blast cleaning, etc.

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