



# Shot Peener of the Year

**Ing. Michele Bandini**

**Since 1992, The Shot Peener magazine has awarded The Shot Peener of the Year to individuals in our industry that have made significant contributions to the advancement of shot peening**

The staff of *The Shot Peener* magazine is proud to award Michele Bandini, General Manager of Peen Service, the 2009 Shot Peener of the Year award. Michele was chosen because of his extra efforts to understand the technical aspects of peening and, in particular, how hard carburized gears can be most effectively treated. He has continued to work with universities and other organizations to establish fundamental relationships between peening practices and peening benefits. Michele has been an official trainer for Electronics Inc. for several years and always receives outstanding reviews for his presentation materials and delivery methods.

Michele is very accomplished at combining research with industry. After receiving his PhD on "Application Criteria of Shot Peening Process," he didn't end his relationship with the academic environment. In the first years of Michele's professional career, he created a network of research that involved the University of Bologna and industrial companies that were interested in exploring the application of the shot peening process.

In 1995, one of Michele's professors at the university asked him to share his experience with students. "I thought it a great idea and

was very honored. Students were interested right from the first lessons. The world of racing, in particular Formula 1, and the aerospace industry, are two very fascinating fields. This experience was so interesting and involving so as to urge me to undertake other collaborations," said Michele.

After a few years, Michele started similar projects with Prof. Guagliano of the Department of Mechanics of the "Politecnico di Milano", and Prof. Scardi and Prof. Fontanari of Trento University. "Today, after all these years, teaching has become an integral part of my job," he added. "The connection generated from this collaboration between University and Industry creates the fundamentals for the necessary competence for research and the results create a synergy that speeds the development of industrial applications. It is my personal opinion that sharing knowledge enriches everyone."

Michele has completed research in the following shot peening fields:

- Bending fatigue of carburised toothed gears
- Pitting fatigue of carburised gears
- Alternate bending fatigue of Al 6082 light alloy
- Alternate bending fatigue of Al 7075 light alloy
- Alternate bending fatigue of nitrided crankshafts
- Stress analysis and fatigue on springs

In addition, Michele is a member of the scientific committee of EUROPEAN TECHSPRING PROJECT. In his spare time, Michele enjoys his passion—playing golf. ●

Jack Champaigne, Editor of *The Shot Peener*, presented Michele Bandini with the 2009 Shot Peener of the Year award at the U.S. Shot Peening and Blast Cleaning workshop in Albuquerque, New Mexico.

