

Blast Cleaning Technology

Blast cleaning is one of the most frequently utilised surface treatment-method in modern industry. Tilghman's patent on "Improvement in cutting and engraving stone, metal, glass etc." (1870) was the starting point of the utilisation of blast cleaning for industrial processes. Early applications included applications in the foundry industry, steel making industry, and corrosion protection industry. Today's applications include the use for micro-machining, polishing, maintenance and surface preparation for coating applications. Recent advanced applications in the machining industry include blast cleaning assisted laser milling.

The book is the first comprehensive monograph in this subject. It provides a practical and comprehensive review of the technology. This book systematically and critically reviews the theory behind the technology, the state of current blast cleaning, surface quality aspects and the effects of blast cleaning on the performance of applied coatings.

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160,49 €

149,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540736448

Medium: Buch

ISBN: 978-3-540-73644-8

Verlag: Springer

Erscheinungstermin: 10.01.2008

Sprache(n): Englisch

Auflage: 2008

Produktform: Gebunden

Gewicht: 992 g

Seiten: 540

Format (B x H): 160 x 241 mm

