

Davim / Sandhu / Singh

## Sustainable Manufacturing

An Emergence in Industry 4.0

Sustainable manufacturing is a key component in the engineering industry, helping to decrease emissions, costs, and energy use. Through examining how to successfully implement sustainability within Industry 4.0, *Sustainable Manufacturing: An Emergence in Industry 4.0* covers recent innovations in topics, including circular economy, supply chains, waste elimination, and recycling. This edited collection is a cutting-edge assessment of the barriers preventing the implementation of sustainable manufacturing in industry. Highlighting basic definitions and terminologies within sustainability and manufacturing, this book covers topics that include interactive design, remanufacturing, cleaner production, and optimization. It also features modern technologies currently revolutionizing the industry, such as robotics and 3D printing. Using case studies to illustrate success stories in which products have been created using sustainable processes, this book also includes technical notes and experimental results from a wide variety of international contributors. This book is relevant to anyone working in the mechanical engineering, manufacturing and industrial engineering, and materials science industries.

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