

F.A.A. Jasdanwalla Library

Among the recent acquisitions of F.A.A. Jasdanwalla Library at IIF-H.O., Kolkata is **Complete Casting Handbook: Metal Casting Processes, Metallurgy, Techniques and Design** by **John Campbell** published by Elsevier © 2011.

Metal Castings are fundamental building blocks, the three-dimensional integral shapes indispensable to practically all other manufacturing industries. Manufacture of Castings is a complex process and one of the most challenging of technologies, thereby inviting a continuous stream of new ideas and solutions. The book is an exercise in education for students and professionals in metallurgy and engineering, researchers of castings and all associated with foundries that make a living creating castings. Opportunity has been taken to bring the work up-to-date in new areas like surface turbulence, bifilms and theories of common alloy eutectics Al-Si & Fe-C.

The book seeks corroboration of scientific concepts from industrial experience which is a departure from standard practice and in its eagerness to grapple with new concepts goes beyond what is considered as certain knowledge, venturing into the realm of hypothesis.

The primary aim remains to mobilise the reader to acquire a better understanding of the casting process, which would lead to improving professionalism and status of casting technology and with it the castings themselves.

We bring you in this issue, the list of contents of volume I of the above publication for the benefit of interested readers.

Complete Casting Handbook: Metal Casting Processes, Metallurgy, Techniques and Design by John Campbell

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