

## Composite Manufacturing Technology (Soviet Advanced Composites Technology Series)



Some years ago in Paisley (Scotland) the International Conference on Composite Materials, headed by Professor I. Marshall, took place. During the conference, I presented a paper on the manufacturing and properties of the Soviet Unions composite materials. Soviet industry had made great achievements in the manufacturing of composite materials for aerospace and rocket applications. For example, the fraction of composites (predominantly carbon fibre reinforced plastics) in the large passenger aircrafts Tu-204 and 11-86 is 12-15% of the structure weight. The percentage by weight share of composites in military aircraft is greater and the fraction of composites (organic fibre reinforced plastics) used in military helicopters exceeds a half of the total structure weight. The nose parts of most rockets are produced in carbon-carbon materials. In the Soviet spacecraft Buran many fuselage tubes are made of boron-aluminium composites. Carbon-aluminium is used for space mirrors and gas turbine blades. These are just a few examples of applications. Many participants at the Paisley conference suggested that the substantial Soviet experience in the field of composite materials should be distilled and presented in the form of a comprehensive reference publication. So the idea of the preparation and publication of a six volume work Soviet Advanced Composites Technology, edited by Professor I. Marshall and me, was born.

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This volume of the Soviet Advanced Composites Technology Series covers all aspects of the manufacturing concepts, **Composite Manufacturing Technology (Soviet Advanced - eBay** (1960 - present), Russian Acad. Sci. IOP Conference Series: Materials Science and Engineering, Volume 139, Number 1 Ridgard C 2009 Out of Autoclave Composite Technology for Aerospace, Defense and Space Structures SAMPE 2004 Manufacturing Processes for Advanced Composites (New York: Elsevier). [9]. **Composite Manufacturing Technology (Soviet Advanced - Amazon Composite Manufacturing Technology - Springer** Composite Manufacturing Technology (Soviet Advanced Composites Technology Series) [A.G. Bratukhin, V.S. Bogolyubov] on . \*FREE\* shipping **Causes and remedies for porosity in composite - IOPscience** Find great deals for Soviet Advanced Composites Technology: Composite Manufacturing Technology 1 (1994, Hardcover). 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1 Ridgard C 2009 Out of Autoclave Composite Technology for Aerospace, Defense and Space Structures SAMPE 2004 Manufacturing Processes for Advanced Composites (New York: Elsevier). [9]. **Composite Manufacturing Technology Soviet Advanced Composites** Soviet Advanced Composites Technology Series Series editors: J. N. Fridlyander, Russian Academy of Sciences, Moscow, Russia I. H. Marshall, University of