



**Dr. Georg Menges**



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W I N N E R

**MEDAL OF EXCELLENCE**

**IN COMPOSITE MATERIALS**

The 1993 Medal of Excellence in Composite Materials is awarded to Dr. Georg Menges, Professor Emeritus of Plastics Processing at the University of Aachen. Menges was Director of the Institute of Plastics Processing (IKV) in Aachen, Germany, from 1965 to 1987. Originally a small research institute, the IKV quadrupled in size under Menges' leadership and emerged as Europe's largest university-affiliated research institute in the area of plastics processing.

During the 1960's, Professor Menges and his research team conducted important pioneering work both in the refinement of design and processing methods for fiber-reinforced polymer-matrix composites and in the development of new applications for glass- and carbon-reinforced materials. The Institute's success was achieved through close interaction between the IKV and processing firms as well as end users in developing methods for the manufacture of parts from these materials on an industrial scale. Dr. Menges' significant achievements include the development of

- CADFIBER, a modular, integrated software package that enables the user to solve the problems of material selection, design, dimensioning, and process simulation comprehensively.
- A fully automated processing line for SMC parts
- EXPRESS, a program that simulates the behavior of fiber-reinforced pressed parts depending upon the manufacturing conditions

Menges holds a doctorate from the University of Stuttgart. His scientific achievements are documented in some 20 books, more than 700 papers, and over 150 lectures. These achievements have earned him numerous awards, including the Swinburne Award, the Society of Plastics Engineers' International Award, and the most prized award of the plastics industry in Australia, the John W. Derham Memorial Award.