

INTRODUCTION TO MULTI-SCREW EXTRUSION, CONTINUOUS MIXERS, AND KNEADERS



This book of the *Plastics Technician's Toolbox* focuses on extrusion processes other than those involving single and twin screw equipment. Although these processes are often overlooked when describing extrusion since they are less often encountered, they are an important part of the polymer processing industry because of their role in making masterbatches and compounds which are then used to manufacture final goods.

The individual sections provide, with a focus on the technician, information about both the design and operation for kneaders, multiscrew extruders and continuous mixers. There is also information related to troubleshooting the process, how to best modify your process for your application and means of enhancing the productivity. From this information, a technician should be able to understand the role these specialized machines, when to use them, as well as when another system (such as a single or twin screw extruder) might be a better choice and how they operate to produce the desired processing effect.