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Nota di contenuto	Introduction -- Soil properties -- Soil digging resistances -- Traction properties of construction machines -- Bulldozers -- Loaders -- Backhoes -- Soil compaction machines -- Mobile cranes -- Telehandlers -- Construction trucks -- Maintenance of construction machines.
Sommario/riassunto	This book provides knowledge to professionals on how to model, calculate, and design machinery for construction operations. Carrying out construction works is unthinkable without construction machines. Awareness of role and properties of construction machines is very important for their design, production, application, and maintenance. This book defines the basic characteristics of the main representatives of construction machines for earthworks, bulldozers, loaders, excavators, vibratory rollers, and transport vehicles, truck cranes, telehandlers, and construction trucks. The book presents a step-by-step explanation of the key technical solutions of mobile construction machines in an expert and illustrative manner, with the help of

photographic images, schematics, and case studies. The book will be of use to professionals in industry and students in engineering departments.
