## Contents

	Introduction	V
1	What Is Robotics?	1
	Who's Buying the Robots?—How the CAD/CAM Industry Supports Robotics—The Limits of Robots: Overcoming Unfamiliarity—Adopting Standard Robot Languages—Beginnings of 20th Century Robotics—Robot Consultants Are in Demand—Pattern Recognition: The Biggest Hurdle—Tactile Sensing and Vision Systems	
2	Filling a Need	13
	Hidden Reasons for Robot Employment—Robot Research Is Big Business—Analysis of Robots on the Market—Robots in Publishing—Who Is Using Robots?—Robots Photograph Television Commercials	
3	Uses of Robots	21
	Robot Operations—Robots in Transition	
4	The Robots	28
	Armstar—ASEA—Automatix AID 800—Cyro—Hubot—Intelledex 605—JPL Rover—KUKA—Mobot—Pedsco—Prowler—Robbie—The Robot Factory Promotional/Animated Robots—Trallfa TR 3005—United States Navy Underwater Robotics	
5	Job Opportunities	82

6	Robotics Education and Training	89
	Society of Manufacturing Engineers—University of Arkansas Center for Robotics and Automation— Des Moines Area Community College—Indiana Vocational Technical College—Intelledex Robotics Customer Training—Expert Automation/KUKA Robotics Training Courses—Lennox Education Products—Nashville State Technical Institute—Schoolcraft College—Staples Technical Institute— University of Southern California Graduate Study in Robotics	
	Appendix A: The Robotics Degree Programs	113
	Appendix B: Robotics Timetable	125
	Appendix C: Manufacturer Listings	128
	Robotics Glossary	133
	Resource Bibliography	143
	Index	147