

INTERNATIONAL ROBOTICS INDUSTRY DIRECTORY™



Fourth Edition

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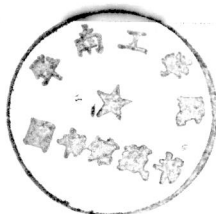
International
**ROBOTICS INDUSTRY
DIRECTORY™**

Fourth Edition

Editor: Philip C. Flora



E8564633



Technical DataBase™ Corporation
Post Office Box 720; Conroe, Texas 77305; U.S.A.

Information contained in this directory and other volumes in this series are derived from the Computerized Manufacturing™ On-Line DataBase. This database contains complete specifications on thousands of products from sensors to robots to computer-aided design systems. On-line access to this information which is updated daily may be obtained from Technical DataBase™. For a descriptive brochure, write: Technical Database™ Corp., P.O. Box 720, Conroe, Texas 77305, U.S.A.

NOTE: The material in each listing in this directory is derived from submissions by the firms listed. We have NOT investigated any of the representations made and we assume NO liability for any incorrect information which may be contained herein.

The cover painting is artist Robert Tinney's concept of the Robotics Section of a 21st century Museum of Technology.

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FOREWORD

Welcome to the Fourth Edition of the International Robotics Industry Directory. A number of improvements have been incorporated, many of which are the results of suggestions made by users of previous editions. Improvements include the addition of work envelope drawings with each robot listing and a separate section for Automatic Guided Vehicles. A marketing contact address for Europe and for Japan/Asia has also been added.

The information in this volume is more up-to-date than ever since it is derived from the Computerized Manufacturing™ On-Line Database offered by Technical DataBase™. This database is updated daily so that the information contained in this volume is completely current up to the publication date. You should probably, however, make an on-line inquiry of the database prior to making your purchase decisions since new robot models have been appearing at the rate of 5 to 10 per month.

I want to thank those of you who sent in suggestions for improvements and encourage anyone who has a further suggestion to send it to me.

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APPLICATIONS SUPPORTED

Name of Company	Product Model	Die Casting	Forging	Investment Casting	Machine Tool Loading/Unloading	Parts Transfer	Spray Painting	Assembly	Finishing	Plastic Molding	Welding	Machining	Electronics Assembly	Inspection	Educational/Training	Sealing	Palletizing	Other
Accumatic Machinery Corporation	Numan I & II	•	•		•	•				•								
Acrobe Positioning Systems, Inc.	Acrobe AG-4				•	•		•					•	•				
Acrobe Positioning Systems, Inc.	Acrobe BG-4				•	•		•					•	•				
Adaptive Intelligence Corp.	AARM Series 1000					•		•					•					•
Advanced Robotics Corporation	Cyro® 750										•							
Advanced Robotics Corporation	Cyro® 820										•							
Advanced Robotics Corporation	Cyro® 2000										•							
Air Technical Industries	Electro-Arm	•	•	•	•	•			•	•	•			•				•
Air Technical Industries	Electrobot	•	•	•	•	•			•	•	•			•				•
Air Technical Industries	Articulating Manipulator	•	•	•	•	•			•	•				•				•
Air Technical Industries	Hydro-Arm	•	•	•	•	•	•		•	•	•			•				•
Air Technical Industries	Rapid-Transfer Robot	•		•	•	•			•	•				•				
Air Technical Industries	Robo-Arm	•	•	•	•	•			•	•	•			•				•
Air Technical Industries	Robo-Master	•	•	•	•	•	•		•	•	•			•				•
Air Technical Industries	Robo-Ton	•	•	•	•	•	•		•	•	•			•				•
Air Technical Industries	X-9 System	•	•	•	•	•	•		•	•	•			•				•
A. K. R. SA	AKR 3000		•				•									•		•
Amatrol, Inc.	Centari 830-HR2-R7														•			
Amatrol, Inc.	Hercules 830-HR1-C5														•			
Amatrol, Inc.	Mercury 830-PR1-C4														•			
Amatrol, Inc.	Polaris 830-HR3-P4														•			
American Robot Corporation	Merlin	•			•	•	•	•	•	•	•	•	•			•		•
Anorad Corporation	Anorobot					•		•			•		•	•				
Anorad Corporation	1700 Assembly Robot				•	•		•					•	•				

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	ASEA, Inc.	IRB 6/2	•	•	•				•			•		•		•		•	
	ASEA, Inc.	IRB L6/2	•	•	•	•	•		•	•	•	•	•	•					
	ASEA, Inc.	IRB 60/2	•	•	•	•	•		•	•	•	•		•					
	ASEA Inc.	IRB 90/2	•	•	•				•			•		•		•		•	
	ASEA Inc.	MHU Junior				•	•		•										
	ASEA Inc.	MHU Minor				•	•		•										
	ASEA Inc.	MHU Senior	•	•					•									•	
	Automated Assemblies, Inc.	AAC-50 & AAC-100								•									
	Automated Assemblies, Inc.	Mold-Mate 75-300								•									
	Automatix, Inc.	Cybervision							•			•		•	•			•	
	Automatix, Inc.	Robovision II							•			•		•	•			•	
	Bendix Robotics Division	AA 620 CNC	•	•	•	•	•		•	•	•	•	•	•		•		•	
	Bendix Robotics Division	MA503	•	•	•	•	•		•	•	•	•	•	•				•	
	Bendix Robotics Division	MA510	•	•	•	•	•		•	•	•	•	•	•				•	
	Bendix Robotics Division	ML 670 CNC	•	•	•	•	•		•	•	•	•	•			•		•	
	Bendix Robotics Division	ML6100	•	•	•	•	•		•	•	•		•		•				
	Bendix Robotics Division	SL350	•	•	•	•	•		•	•	•	•	•	•				•	
	Binks Manufacturing Company	Model 88-800							•										
	Bridgeport Machines/Textron	T.I.G.E.R.-5				•	•	•	•			•		•	•				
	Cameron Iron Works, Inc.	Lamberton	•	•	•	•						•	•		•			•	
	Cincinnati Milacron	T3-566		•	•	•	•		•	•	•	•	•	•					
	Cincinnati Milacron	T3-586		•	•	•	•			•	•	•	•		•				
	Cincinnati Milacron	T3-726	•	•	•	•	•			•	•	•	•		•		•		•
	Cincinnati Milacron	T3-746	•	•	•	•	•			•	•	•	•		•				

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Cincinnati Milacron	T3-776	•	•	•	•	•			•	•	•	•		•				
Colne Robotics Inc.	Armdroid I													•	•			
Comet Welding	Limat 2000										•						•	
Comet Welding	Limat RT-280									•							•	
Comet Welding	Limat RT-280-6									•							•	
Commercial Cam/Emerson Elec. Cambot Robot Series					•	•		•	•	•		•	•	•				
Control Automation Inc. CAR-2000 Mini-Sembler								•					•					
Copperweld Robotics, Inc.	CR-5	•	•	•	•	•		•	•	•			•					
Copperweld Robotics, Inc.	CR-10	•	•	•	•	•		•	•	•			•					
Copperweld Robotics, Inc.	CR-50	•	•	•	•	•		•	•	•				•				
Copperweld Robotics, Inc.	CR-100				•	•		•		•			•				•	
Cybotech Corporation	G80				•					•	•		•				•	
Cybotech Corporation	H80				•					•	•		•				•	
Cybotech Corporation	P15					•		•										
Cybotech Corporation	V15 Electric				•	•		•		•								
Cybotech Corporation	V80				•					•	•	•						
Cyclomatic Industries Inc.	Ironman I									•							•	
Cyclomatic Industries Inc.	Merlin									•							•	
The DeVilbiss Company	EPR 1000				•	•		•		•	•							
The DeVilbiss Company	TR-3500S					•		•									•	
Digital Automation Corporation	Mach-1				•		•			•	•	•	•				•	
Durr Industries, Inc.	Gantry Robot P100				•	•										•	•	
Elicon	Camera Control System																•	
Eshed Robotec Ltd.	Scorbot ER-111													•				

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Everett/Charles Automation	ERMAC 26-100				•		•	•				•	•					•
Fairey Automation Limited	GANTRY	•	•		•	•				•								
Fairey Automation Limited	Minimater				•	•		•		•								
Feedback, Inc.	Armatrol ESA 1010													•				
Feedback, Inc.	Armborg SSA 1062													•				
Feedback, Inc.	Armdraulic 1050/1052													•				
Feedback, Inc.	Armover SSA 1040													•				
Feedback, Inc.	Armsort PPR 1030													•				
H. H. Freudenberg Automation	Cavalier	•	•		•	•		•		•		•						
GCA Industrial Systems Group	DKB1440															•	•	
GCA Industrial Systems Group	DKB2600										•					•	•	
GCA Industrial Systems Group	DKP200H					•		•									•	
GCA Industrial Systems Group	DKP200V					•		•								•		
GCA Industrial Systems Group	DKP300H					•										•	•	
GCA Industrial Systems Group	DKP300V					•		•								•		
GCA Industrial Systems Group	DKP600							•								•	•	
GCA Industrial Systems Group	DKP800										•						•	
GCA Industrial Systems Group	DKP1000					•					•					•	•	
GCA Industrial Systems Group	XR50 Series				•	•			•				•					•
GCA Industrial Systems Group	XR100 Series																•	•
GdA gesellschaft Automation	HDS Industrial Robot					•					•	•				•		
General Electric Company	A-3							•						•		•	•	•
General Electric Company	A-12							•				•	•	•				•
General Electric Company	P50							•	•		•					•		•

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	GMF Robotics Corp.	A-00				•	•		•	•				•	•		•		
	GMF Robotics Corp.	A-0				•	•		•					•	•				
	GMF Robotics Corp.	A-1				•	•		•	•				•			•	•	
	GMF Robotics Corp.	M-00				•	•												
	GMF Robotics Corp.	M-0				•	•											•	
	GMF Robotics Corp.	M-1	•			•	•			•					•			•	
	GMF Robotics Corp.	M-1A	•	•	•	•	•			•	•		•		•			•	
	GMF Robotics Corp.	M-3	•	•	•	•	•								•			•	
	GMF Robotics Corp.	NC Painter System						•							•				
	GMF Robotics Corp.	S-108L				•				•		•			•		•		•
	GMF Robotics Corp.	S-108R				•	•			•		•			•		•		•
	GMF Robotics Corp.	S-360L				•	•	•		•		•			•		•		•
	GMF Robotics Corp.	S-360R				•	•	•		•		•			•		•		•
	GMF Robotics Corp.	S-380L				•	•			•		•			•		•		•
	GMF Robotics Corp.	S-380R				•	•			•		•			•		•		•
	Hall Automation Ltd.	Comparm						•		•									
	Hall Automation Ltd.	Little Giant	•	•	•	•	•												
	Hall Automation Ltd.	Ramp Spraying Robot																	
	Harnischfeger Corporation	Robot's Robot	•	•	•	•	•					•							
	Haynes & Fordham Ltd.	Pick-and-Place Series					•				•								
	Hirata Industrial Machineries	Arm Base AR-H300					•		•						•		•		•
	Hitachi America, Ltd.	"Mr. Aros"										•							
	Hitachi America, Ltd.	Assembly Robot				•			•				•	•					
	Hitachi America, Ltd.	HPR 10 11				•	•		•			•			•				

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Hitachi America, Ltd.	SPR 6V and 6H					•												
Hodges Robotics International	H-35				•	•		•	•	•		•		•				
IBM Corporation	7535				•	•		•					•	•			•	•
IBM Corporation	7540				•	•		•					•	•			•	•
IBM Corporation	7565					•		•					•	•				•
Ikegai America Corporation	FX-RBT	•	•	•	•	•						•		•				
Ikegai America Corporation	L-Robo				•													
INA Automation	Robomat				•	•		•		•		•	•	•				
Industrial Automates, Inc.	Automate	•	•	•	•	•			•									
Intelledex, Inc.	605S					•		•					•	•				•
Intelledex, Inc.	605T					•		•					•	•				•
Intelledex, Inc.	705S					•		•					•	•				•
Intl. Robomation/Intelligence	IRI-M50	•	•	•	•	•			•			•						
Intl. Robomation/Intelligence	IRI-M50E				•	•	•				•			•				
Kuka/Expert Automation, Inc.	IR 200				•	•		•			•	•						
Kuka/Expert Automation, Inc.	IR 662/100	•	•	•	•	•			•		•	•						
Lamson Corporation	Robopal																•	•
Mack Corporation	B-A-S-E Model 56	•			•	•	•	•	•				•	•				•
Mack Corporation	B-A-S-E Model 63	•			•	•	•	•	•				•	•				•
Mack Corporation	Model 9000 Series	•			•	•		•	•				•	•				•
Marol Company, Ltd.	Servo Arm		•	•	•	•					•	•		•				
Marol Company, Ltd.	SRB600 Servo Arm		•		•		•											
Martonair Inc.	Series M/35				•	•		•	•					•				
Martonair Inc.	Series M/120				•	•		•	•					•				

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Microbo S.A.	MR-01 Souris				•			•	•				•	•				•
Microbo S.A.	MR-02 Castor				•			•	•				•	•				•
Microbot, Inc.	Alpha			•				•					•	•		•		•
Microbot, Inc.	MiniMover														•			
Microbot, Inc.	TeachMover														•			
Middlesex General Industries Lanco Assembly Unit BE					•			•					•					
Mitsubishi Electric America	Melfa RH-211			•	•			•					•	•				
Mitsubishi Electric America	Melfa RH-221			•	•	•				•		•		•				
Mitsubishi Electric America	Melfa RH-223			•	•	•				•		•		•				
Mitsubishi Electric America	Melfa RL-223			•	•	•				•		•		•				
Mitsubishi Electric America	Melfa RV-242	•		•	•				•		•	•						
Mitsubishi Electric America	Melfa RW-211				•						•							
Mitsubishi Electric America	Melfa RW-213				•						•							
Mitsubishi Electric America	Melfa RW-252										•							
Modern Machine Works, Inc.	Pick and Place	•		•	•	•												
Modern Machine Works, Inc.	Piklode K410	•		•	•	•												
Mouldmation, Ltd.	Mouldmate 2 & 1200									•								
MTS Systems Corporation	200 A		•	•	•	•			•	•	•	•		•			•	
Nova Robotics Inc.	Aries							•					•	•				•
Nova Robotics Inc.	Aries, Jr.							•					•	•				
Osaka Transformer Co.	LA, LK, SA				•						•							
Osaka Transformer Co.	Welding Robot K																	•
Osaka Transformer Co.	Welding Robot T										•							•
Pendar Robotics Ltd.	Locoman			•	•			•					•	•		•		•

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	Pendar Robotics Ltd.	Placemate				•	•				•				•			•	•
	Pharemme S.A.	BMR				•	•	•	•	•		•	•						
	PHD, Inc.	Parts Handler	•			•	•		•	•		•							•
	Positech Corporation	Probot			•	•	•	•					•						
	Positech Corporation	Probot CC-1A	•	•	•	•	•						•						
	Prab Robots, Inc.	Model E	•	•	•	•	•				•		•					•	•
	Prab Robots, Inc.	Model FA	•	•	•	•	•				•	•	•					•	•
	Prab Robots, Inc.	Model FB	•	•	•	•	•					•						•	•
	Prab Robots, Inc.	Model FC		•	•		•					•						•	•
	Prab Robots, Inc.	Model G	•	•	•	•	•												•
	Prab Robots, Inc.	Model 4200	•	•	•	•	•				•								
	Prab Robots, Inc.	Model 5800	•	•	•	•	•				•								
	Prab Robots, Inc.	Model 6200				•													•
	Prab Robots, Inc.	Model 6800				•													•
	Precision Robots, Inc.	PRI-1000							•					•			•		•
	The R-2000 Corporation	R-2000				•	•		•		•								
	Reeves Robotics, Inc.	Reeboot Mar III					•											•	•
	Reeves Robotics, Inc.	Reeboot Mar IV					•		•				•						
	Reis Machines, Inc.	RR625	•	•	•	•	•				•	•			•			•	•
	Reis Machines, Inc.	RR650	•	•	•	•	•				•	•			•			•	•
	Remek Micro Electronics	PAM 2				•	•		•			•							•
	Resh Industries	Pelican				•	•												
	Resh Industries	Phoenix				•	•												
	Rhino Robots, Inc.	Charger	•	•	•	•	•				•				•	•			

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Rhino Robots, Inc.	XR-1													•	•			
Rhino Robots, Inc.	XR-2														•			
Robotech, Inc. Circle 195	RB200	•			•	•		•		•								•
Robotech, Inc.	RB300	•			•	•		•		•								•
Robot Manufacturing Systems	Accu-sert					•		•				•						
Robot Manufacturing Systems	GPR518					•		•				•						
Robot Manufacturing Systems	Multi-sert 7					•		•				•						
Robotics, Inc.	Program-A-Spencer					•												•
RoMec Inc.	RM1/8				•			•		•		•						
Satt Automation AB	A3	•	•	•	•	•				•		•						•
Satt Automation AB	A4	•		•	•	•				•		•						•
Satt Automation AB	A6				•	•		•				•						
Schrader-Bellows	Motion Mate	•	•	•	•	•		•		•								
Seiko Instruments U.S.A.	D-Tran RT-2000				•	•		•				•	•	•		•	•	•
Seiko Instruments U.S.A.	D-Tran RT-3000				•	•		•				•	•	•		•	•	•
Seiko Instruments U.S.A.	D-Tran TT-2000				•	•		•				•	•					•
Seiko Instruments U.S.A.	D-Tran XY-2000				•	•		•				•	•					•
Seiko Instruments U.S.A.	D-Tran XY-3000				•	•		•				•	•					•
Seiko Instruments U.S.A.	PN-100				•	•		•				•	•					
Seiko Instruments U.S.A.	PN-200				•	•	•	•				•	•					
Seiko Instruments U.S.A.	PN-400				•	•		•				•	•					
Seiko Instruments U.S.A.	PN-400L				•	•		•				•	•					
Seiko Instruments U.S.A.	PN-700				•	•		•				•	•					
Shin Meiwa Industry Co.	RJ Series									•								

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	Shin Meiwa Industry Co.	PW 150 Series										•							
	Shin Meiwa Industry Co.	PW 752 Series										•							
	Shoku Corporation	Almart RE-3	•																
	Shoku Corporation	Almart RE-5	•																
	Sormel S.A.	Cadiatric 745					•		•			•		•					
	Sormel S.A.	Sorbomat				•	•		•		•		•						
	Spadone Machine Company	Vari-Trans Model 100A	•		•	•	•		•		•			•					
	Spadone Machine Company	Vari-Trans Model 100D	•		•	•	•		•		•			•					
	Spine Robots AB	Spine Spray System						•											
	Sterling Detroit Company	Robotarm SM Topper	•			•	•				•								
	Sterling Detroit Company	Robotarm Model U	•	•	•	•	•				•		•		•				
	Sterling Detroit Company	Robotarm WRT Topper	•	•	•	•	•				•		•		•				
	Taylor Winfield Corp.	Challenger										•							
	Thermwood Corporation	Paintmiser						•		•									
	Thermwood Corporation	Taskhandler 25	•			•	•				•								•
	Tokica America, Inc.	Armstar						•		•						•		•	
	Toshiba Seiki Co.	Tosman 1X-15	•	•	•	•	•			•		•					•	•	
	Toshiba Seiki Co.	Tosman 500V					•		•					•	•			•	•
	Toshiba Seiki Co.	Tosman TSR 701H					•		•					•	•				•
	Unimation Inc.	Apprentice										•							
	Unimation Inc.	100 Series				•	•		•					•	•				
	Unimation Inc.	6000 Series				•	•		•	•		•	•	•	•				•
	Unimation Inc.	9000 Series						•											
	Unimation Inc.	Puma 260				•	•		•	•	•	•	•	•	•				•

APPLICATIONS SUPPORTED

	Name of Company	Product Model	Die Casting	Forging	Investment Casting	Machine Tool Loading/Unloading	Parts Transfer	Spray Painting	Assembly	Finishing	Plastic Molding	Welding	Machining	Electronics Assembly	Inspection	Educational/Training	Sealing	Palletizing	Other
	Unimation Inc.	Puma 560				•	•		•	•	•	•	•	•					•
	Unimation Inc.	Puma 760				•	•		•	•	•	•	•	•					•
	Unimation Inc.	Unimate 1000	•	•		•	•												
	Unimation Inc.	Unimate 2000	•	•	•	•	•				•	•	•						
	Unimation Inc.	Unimate 2000 w/VAL	•	•	•	•	•				•	•	•		•				
	Unimation Inc.	Unimate 4000	•	•	•	•	•				•	•	•						
	Unimation Inc.	Unimate 4000 w/VAL	•	•	•	•	•				•	•	•						
	United States Robots	Maker 100/1	•			•	•		•		•	•		•	•				•
	United States Robots	Maker 100/2	•			•	•		•		•	•		•	•				•
	United Technologies/Steelweld	NIKO 25	•	•	•	•	•	•	•	•	•	•	•	•	•				
	United Technologies/Steelweld	NIKO 50	•	•	•	•	•	•	•	•	•	•	•	•	•				
	United Technologies/Steelweld	NIKO 100	•	•	•	•	•	•	•	•	•	•	•	•	•				
	United Technologies/Steelweld	NIKO 150	•	•	•	•	•	•	•	•	•	•	•	•	•				
	United Technologies/Steelweld	NIKO 200/600	•	•	•	•	•	•	•	•	•	•	•	•	•				
	United Technologies/Steelweld	NIKO 450	•	•	•	•	•	•	•	•	•	•	•	•	•				
	United Technologies/Steelweld	NIKO 451/5	•	•	•	•	•	•	•	•	•	•	•	•	•				
	United Technologies/Steelweld	NIKO 451/6	•	•	•	•	•	•	•	•	•	•	•	•	•				
	United Technologies/Steelweld	NIKO 500	•	•	•	•	•	•	•	•	•	•	•	•	•				
	VSI Automation	"Charley"					•		•					•					•
	Yaskawa Electric America	Motoman L3					•		•		•	•		•	•		•		
	Yaskawa Electric America	Motoman L3C					•		•		•	•		•	•		•		
	Yaskawa Electric America	Motoman L10W	•	•	•	•	•		•	•	•	•	•	•	•		•		
	Yaskawa Electric America	Motoman L10WA				•	•		•	•	•	•	•	•	•		•		
	Yaskawa Electric America	Motoman L10WC	•	•	•	•	•		•	•	•	•	•	•	•		•		

APPLICATIONS SUPPORTED

[illegible]