

World *Robotics* Service Robots

2026

incl. Mobile and Medical Robots



**Statistics, Market Analysis, List of Manufacturers and
Case Studies**

World Robotics Service Robots

2026

incl. Mobile and Medical Robots

World Robotics 2026 – Service Robots

Produced by VDMA Services GmbH, Lyoner Str. 18, 60528 Frankfurt, Germany.

The service robot statistics is carried out by the IFR Statistical Department.

Chapters 2, 3, 4 and 5 are co-edited by Dr. Werner Kraus, Head of the Research Division "Automation and Robotics", Dr. Birgit Graf and Kevin Bregler, in cooperation with other scientists, all at Fraunhofer Institute for Manufacturing Engineering and Automation IPA, Stuttgart (Germany).

The cover and the editorial are sponsored by Innok Robotics.

Statistics data collection, text, data and charts processing: Dr. Anne Jurkat, IFR Statistical Department

We express our most sincere gratitude to all partners!

Dr. Christopher Müller
Director
IFR Statistical Department

Tel: +49 69 66 03-11 91
E-Mail: statistics@ifr.org
Internet: <http://www.worldrobotics.org>

one market

Copyright ©2026 by International Federation of Robotics (IFR) Statistical Department

All rights reserved.

Suggested citation: Jurkat, Anne; Müller, Christopher; Kraus, Werner, Graf, Birgit; Bregler, Kevin (Eds.): World Robotics 2026 – Service Robots, IFR Statistical Department, VDMA Services GmbH, Frankfurt am Main, Germany, 2026.

Short citation: World Robotics 2026 – Service Robots

No part of this publication may, for sales purposes, be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, electrostatic, magnetic tape, mechanical, photocopying or otherwise, without prior permission in writing from VDMA Services GmbH (contact via IFR Statistical Department).

ISBN 978-3-8163-0779-2

Contents

Foreword	3
Editorial	7
Contents	11
Executive Summary World Robotics 2026 - Service Robots	13
1 Introduction.....	18
1.1 Definitions: robotics, service robotics, industrial robotics, and medical robotics	20
1.2 Compliance and privacy.....	24
1.3 Classification of service and medical robots.....	25
1.4 Sample description	30
2 Professional service robots	34
2.1 Introduction	34
2.2 AP1: Agricultural robots	46
2.3 AP2: Professional cleaning	82
2.4 AP3: Inspection and maintenance robots.....	126
2.5 AP4: Construction and demolition	151
2.6 AP5: Transportation and logistics.....	185
2.7 AP7: Search, Rescue and security applications	264
2.8 AP8: Hospitality.....	283
2.9 AP99: Other professional service robots	309
3 Medical robots.....	314
3.1 Introduction	314
3.2 AP6: Medical robots	318
4 Consumer robots	370
4.1 Introduction	370
4.2 AC1: Robots for domestic tasks	374
4.3 AC2: Social interaction, education	392
4.4 AC3: Care at home	407
5 Humanoid robots	424
5.1 Definition of humanoid robots.....	425
5.2 IFR Statistics.....	427
5.3 Process and task-specific requirements.....	431
5.4 Commercially available solutions	434
5.5 Cost-benefit considerations and marketing challenges.....	442

5.6	Outlook	447
5.7	Expert view	449
5.8	List of Humanoid robot suppliers worldwide	459
6	Service and medical robotics industry structure	468
6.1	Service and medical robot suppliers by region of origin and age	470
6.2	Service and medical robot suppliers – top 10 countries	474
6.3	Service and medical robot suppliers by business size	477
6.4	Consumer service robot suppliers by application	478
6.5	Professional service robot suppliers by application	480
6.6	Medical robot suppliers by application	485
6.7	List of Service robot suppliers worldwide	486
7	Case studies	532
7.1	Introduction	532
7.2	Case Study 1 - “MR4Weld”: The robotized mobile solution for shipbuilding developed by Comau and Fincantieri	534
7.3	Case Study 2 - Med24: Scaling E-Commerce Fulfillment Through Shelf-to-Person Automation	537
7.4	Case Study 3 - Precision in outdoor use: How ZwickRoell is pushing the boundaries of intralogistics automation	541
7.5	Case Study 4 - Insights from the Navel Pilot Project at the Evangelische Heimstiftung	546
7.6	Case Study 5 – Automation of material supply thanks to mobile robots from Stäubli	552
8	IERA Award	556
8.1	Winner of the IERA Award 2026: Verity	557
9	References	563