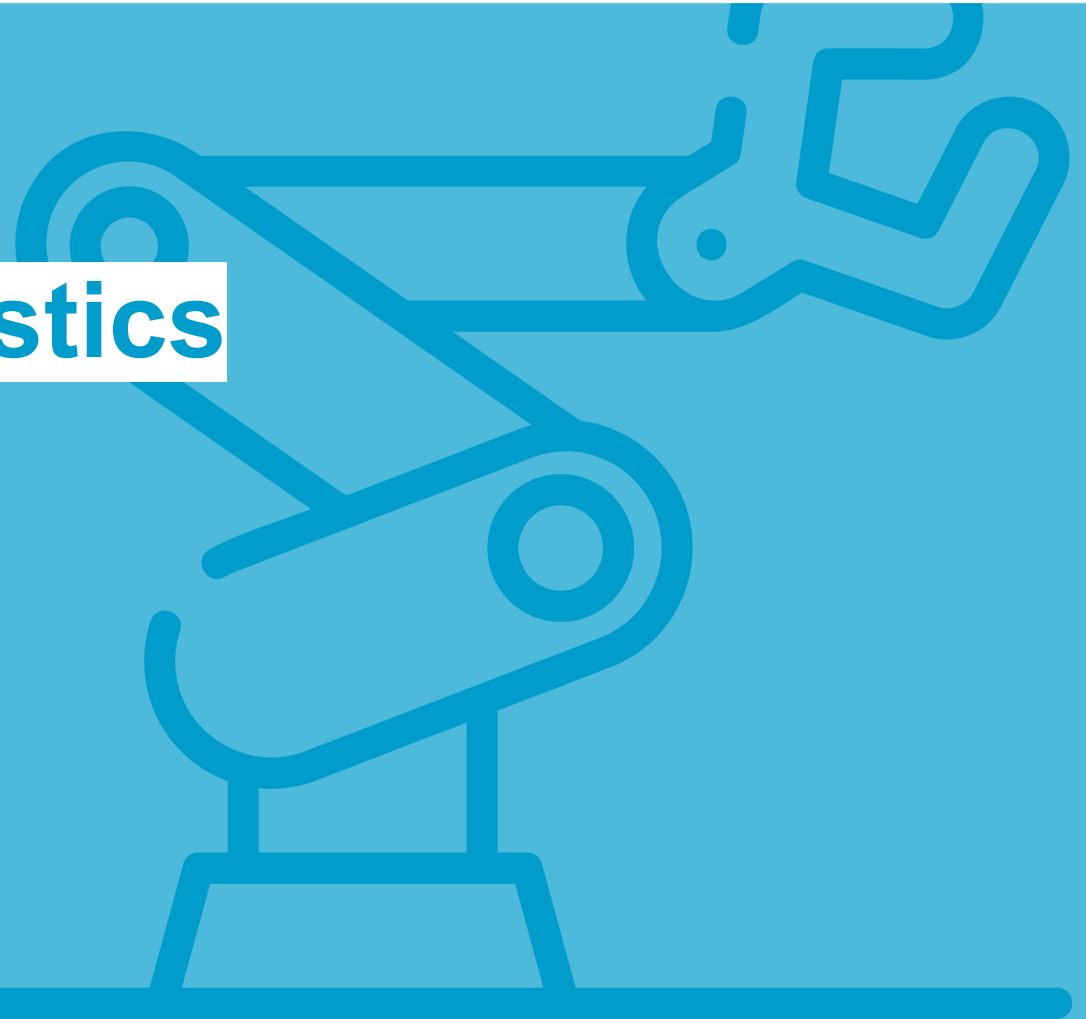


WALKTROUGH

IFR service robot statistics questionnaire



Cover page

Fill in your contact information here.

A summary of what this survey is about.

1 IFR SERVICE ROBOTS Statistics 2021

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4 Company name: _____

5 Your name: _____

6 Business address: _____

7 Telephone number: _____

8 E-mail: _____

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11 Please return to Mrs. Nina Kutzbach (nk@ifr.org) by February 18th

12 You are cordially invited to include **case studies** and **photos** (with captions) of your products, too. Please remember to complete the **permission form** (enclosed in the email that came with this survey)

13 **Aims and scope of the survey**

14 The IFR Service Robot Survey is an annual survey among service robot **producers**. Its aim is to give a comprehensive overview of the global market for service robots.

15 **Compliance and privacy**

16 IFR Statistical Department (IFR SD) adheres to antitrust compliance laws. IFR compliance and privacy rules guarantee that company-level data will neither ever be revealed nor be mathematically retrievable from published data. Only the IFR staff directly involved in data processing has access to company-level data. Please contact Christopher Müller (cm@ifr.org), Director of IFR SD, if you have any question regarding compliance or privacy of your data.

17 **Definition of "service robots"**

18 IFR generally adopts the definitions and terminology of ISO 8373:2012. There are, however, some refinements and intentional deviations from these definitions. The PDF that came with this questionnaire elaborates on these details as well as on excluded applications. Please read this document carefully to make sure your reporting is correct - The "garbage in - garbage out" rule applies to statistics, too.

19 **Classification**

20 IFR service robot statistics 2021 classify service robots by application

21 The questionnaire contains brief descriptions or examples for each class. In case of doubt, IFR SD (statistics@ifr.org) will be glad to assist you finding the most suitable class for your robot.

22 **Data requested/survey items**

23 Units Number of robot units sold

24 RaaS fleet Number of robot units that your company operates as Robots-as-a-Service.

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Instructions Application +

The questionnaire consists of two sheets.

Questionnaire service robots

Enter your sold units for the years 2020 and 2021 and the number of robots you offered for RaaS

Description of service robot application classes

AC	Application	Description	Unit sales		RaaS fleet	
			2020	2021	2020	2021
	Consumer robots	Robots intended for use by everyone. No professional training required.	0	0	0	0
AC1	Robots for domestic tasks	Robots for housekeeping and similar tasks around the house	0	0	0	0
AC11	Domestic floor cleaning (indoor)	Wet and dry cleaning of floors, e.g. vacuuming and wiping of floors				
AC12	Domestic window cleaning	Cleaning of windows				
AC13	Gardening	Gardening tasks, e.g. lawn mowing				
AC14	Domestic cleaning (outdoor)	Outdoor cleaning tasks around the home, e.g. pool cleaning, yard cleaning				
AC19	Other domestic tasks	Domestic tasks other than AC11 to AC14				
AC2	Social interaction, education	Robots with social interaction functions, robots for children and student education	0	0	0	0
AC21	Social interaction, companions	Main purpose of the robot is to interact with and entertain users at home				
AC22	Education	Robots designed specifically to educate children or students				
AC3	Care at home	Robots that support people in need of care (e.g. seniors or handicapped people) in their homes or home-like environments (e.g. retirement homes)	0	0	0	0
AC31	Mobility assistants	Robotic wheelchairs, robotic rollators/walkers, exoskeletons for walking disabilities. Includes robotic devices.				
AC32	Manipulation aids	Robots that support seniors or disabled people in the manipulation of their environment (e.g. meal assistance robot, manipulators mounted to wheelchairs). Includes robotic devices.				
AC39	Other care robots	Robots for care at home that do not fit into AC31 or AC32. Includes robotic devices.				
AC9	Other consumer robots	Consumer robots that do not fit into any of above classes	0	0	0	0
AC99	Other consumer robots	Consumer robots that do not fit into any of above classes				

Unit sales
Number of robot units. "Sales" means the property of the robot hardware is transferred to the customer.

RaaS fleet
Number of robots offered for Robot-as-a-Service business models. RaaS are all types of business models where the property of the robot hardware remains at the robot supplier.

No suitable class found?

You offer robots for applications not explicitly mentioned here?
 We may add more classes in the future but this only makes sense if there are sufficient robot suppliers in this class. **Spread the word among your peers and rivals and encourage them to report!**

If you have questions, comments or suggestions, contact us at statistics@ifr.org

Interested in representing your company in the global industry association? Contact IFR secretariat at secretariat@ifr.org

No suitable class found?
 Put it in "other".

Application	Description	Unit sales		RaaS fleet	
		2020	2021	2020	2021
AC Consumer robots	Robots intended for use by everyone. No professional training required.	0	0	0	0
AC1	Robots for domestic tasks	0	0	0	0
AC11	Domestic floor cleaning (indoor)				
AC12	Domestic window cleaning				
AC13	Gardening				
AC14	Domestic cleaning (outdoor)				
AC19	Other domestic tasks				
AC2	Social interaction, education	0	0	0	0
AC21	Social interaction, companions				
AC22	Education				
AC3	Care at home	0	0	0	0
AC31	Mobility assistants				
AC32	Manipulation aids				
AC39	Other care robots				
AC9	Other consumer robots	0	0	0	0
AC99	Other consumer robots				
AP5	Transportation and logistics	0	0	0	0
AP51	Indoor environments without public traffic				
AP52	Indoor environments with public traffic				
AP53	Outdoor environments without public traffic				
AP54	Outdoor environments with public traffic				
AP55	Inventory				
AP59	Other transportation and logistics				
AP6	Medical robotics	0	0	0	0
AP61	Diagnostics				
AP62	Surgery				
AP63	Rehabilitation and non-invasive therapy				
AP64	Medical laboratory analysis				
AP69	Other medical robots				
AP7	Search and rescue, security	0	0	0	0
AP71	Firefighting				
AP72	Disaster relief				
AP73	Security services				
AP8	Hospitality	0	0	0	0
AP81	Food and drink preparation				
AP82	Mobile guidance, information, telepresence				
AP9	Other professional service robots	0	0	0	0
AP99	Other professional service robots				

Submission

That's it!

Save and mail to nk@ifr.org and you're eligible to receive the results for free!*

*If your report is complete and consistent.

We're always looking for case studies that show how service robots improve our lives. Have an interesting story? Contact us to put it on www.ifr.org.

We're also looking for robot pictures to use in our presentations and publications, including World Robotics Service Robots. Attach your footage (and the permission form) when you send us your data!

Want to see your robot on the World Robotics Service Robots cover?
Contact us to talk about sponsoring opportunities!