Product specification
Robot user documentation, IRC5 with RobotWare 6

Power and productivity
for a better world™

ABB

Product specification

Robot user documentation, IRC5 with RobotWare 6

Document ID: 3HAC052355-001

Revision: C

The information in this manual is subject to change without notice and should not be construed as a commitment by ABB. ABB assumes no responsibility for any errors that may appear in this manual.

Except as may be expressly stated anywhere in this manual, nothing herein shall be construed as any kind of guarantee or warranty by ABB for losses, damages to persons or property, fitness for a specific purpose or the like.

In no event shall ABB be liable for incidental or consequential damages arising from use of this manual and products described herein.

This manual and parts thereof must not be reproduced or copied without ABB's written permission.

Additional copies of this manual may be obtained from ABB.

The original language for this publication is English. Any other languages that are supplied have been translated from English.

Table of contents

This page is intentionally left blank

Overview of this specification

About this product specification

This specification lists all active user documentation for ABB Robotics products with RobotWare 6.

Revisions

Revision	Description
-	Released October 2014, R14.2. First release.
A	Released April 2015, R15.1.
B	Released October 2015, R15.2.
C	Released December 2015, R15.2.

This page is intentionally left blank

1 Introduction

1.1 Easy-to-use information products

Introduction to Robot User Documentation

The Robot User Documentation is aimed at all robot users, providing easy to use information and guidelines as well as in-depth descriptions and detailed reference literature. There is a robot user document for each stage of use, from installation and commissioning, through programming, operation and maintenance, to troubleshooting and decommissioning of your robot system.

ABB's group of skilled editors provide professional user documentation, ensuring efficient communication of robot expertize, from our engineers to your personnel.

Key benefits

- Easy-to-use user documentation
- In-depth reference information
- Detailed product information
- Maintenance and service procedures

Acessing the user documentation

All robot user documentation can be ordered on a DVD. Updated versions of all user documentation can be found in ABB Library (inside.abb.com/library). ABB Library is a fast and easy way to find updated robot information and can be accessed by all ABB employees.

Printed manual

There is one manual that is delivered also as a printed version together with the robot system. The manual is *Operating manual - Emergency safety information*, which is translated into 18 languages.

1.2 User documentation DVD

Introduction

The documentation DVD includes the user documentation for all standard robotics products. The robot user documentation is translated into 18 languages, including a number of Asian languages, according to the EU machine directive. Documents that are not translated are available in English.

> ℹ️ **Note**
>
> There are three DVDs available. See *DVD documentation on page 13*.

Updates of the documentation DVD are released at every major product change (manipulators, controllers, and RobotWare).

The documentation browser appears automatically on your PC screen when starting the DVD.

Ordering the DVD

The robot user documentation DVD is ordered using the standard Robot Specification form.

Help for searching the DVD faster

All files on the DVD can be searched in one operation in Adobe Acrobat. To search all files takes quite a long time, but you can create an index to make it faster to search the next time. How to set up an index is described in Adobe Acrobat Help (press F1 in Acrobat).

1.3 Types of manuals

Operating manuals

The *operating manuals* are directed to persons with first hand contact with the robot system, that is production operators, programmers, and service personnel.

Technical reference manuals

The *technical reference manuals* include reference information for the products.

The technical reference manuals for RAPID and system parameters describe the controller software. The manuals include syntax and detailed information on instructions, functions, and data types in the RAPID language and on system parameters.

Application manuals

The *application manuals* describe RobotWare base functionality and options, directed to specific applications, such as RobotWare Arc, Spot, Dispense, Integrated Vision. The content includes:

- Purpose of the option: For what is the option intended?
- What is included in the option, for example RAPID instructions, system parameters.
- Which hardware is required, for example cables and I/O boards.
- Setup, programming, and configuration examples.

Product manuals

There is a *product manual* for each robot and controller. The content includes:

- Safety information
- Installation and commissioning
- Maintenance (maintenance schedules and preventive maintenance routines)
- Repair (lists of spare parts and repair procedures)
- Calibration procedures
- Decommissioning procedures
- Reference information
- Part list or reference to separate spare part list
- Foldouts or exploded views
- References to circuit diagrams

Product specifications

There is a *product specification* for each product. The content varies depending type of product but usually includes:

- Description
- Variants and options

1.4 Languages and article numbers

Article numbers

The article number for a manual or the documentation DVD is the same for all languages except for the subnumber (language code).

Example:

Article number	Title
3HAC047136-001	*Product manual - IRC5*
3HAC047136-003	*Product manual - IRC5*
Product manual - IRC5 IRC5 with main computer DSQC1000.	*3HAC047136-001*

Language codes

The manuals are available in the following languages (with matching subnumber).

Language	Language code	Subnumber	
English	en	1	001
Swedish	sv	2	002
German	de	3	003
French	fr	4	004
Spanish	es	5	005
Portugese	pt	6	006
Italian	it	7	007
Danish	da	8	008
Dutch	nl	9	009
Chinese (simplified)	zh or zh-cn	10	010
Korean	ko	11	011
Japanese	ja	12	012
Finnish	fi	13	013
Czech	cs or cz	14	014
Polish	pl	15	015
Russian	ru	16	016
Hungarian	hu	17	017
Turkish	tr	18	018
Slovenian	sl	19	019

Product specification - Robot user documentation, IRC5 with RobotWare 6
3HAC052355-001 Revision: C

2 Robotics user manuals

2.1 DVD documentation

Article numbers

The documentation DVD contains all languages.

Title	Article number	Option number
DVD documentation, DSQC 639 with RobotWare 5.15.xx [i]	3HAC032875-001	808-1
DVD documentation, DSQC1000 with RobotWare 5.6x [i]	3HAC048193-001	808-1
DVD documentation, DSQC1000 with RobotWare 6	3HAC052153-001	808-1

[i] The user documentation for RobotWare 5 is described in *Product specification - Robot user documentation, IRC5 with RobotWare 5*.

2.2 Operating manuals

Article numbers

Title	Article number
Operating manual - Emergency safety information (English, Swedish, German, French, Spanish, Portuguese, Italian, Danish, Dutch, Chinese, Korean, Japanese, Finnish, Czech, Polish, Russian, Hungarian, Turkish, Slovenian)	*3HAC027098-001*
Operating manual - General safety information (English, Swedish, German, French, Spanish, Portuguese, Italian, Danish, Dutch, Chinese, Korean, Japanese, Finnish, Czech, Polish, Russian, Turkish, Slovenian)	*3HAC031045-001*
Operating manual - Getting started, IRC5 and RobotStudio (English, Swedish, German, French, Spanish, Portuguese, Italian, Danish, Dutch, Chinese, Korean, Japanese, Finnish, Czech, Polish, Russian, Turkish, Slovenian)	*3HAC027097-001*
Operating manual - IRC5 with FlexPendant (English, Swedish, German, French, Spanish, Portuguese, Italian, Danish, Dutch, Chinese, Korean, Japanese, Finnish, Czech, Polish, Russian, Turkish, Slovenian)	*3HAC050941-001*
Operating manual - IRC5 with T10 (English, Swedish, German, French, Spanish, Portuguese, Italian, Danish, Dutch, Chinese, Korean, Japanese, Finnish, Czech, Polish, Russian, Turkish, Slovenian)	*3HAC050943-001*
Operating manual - IRC5 Integrator's guide (English)	*3HAC050940-001*
Operating manual - RobotStudio (English, German, French, Spanish, Italian, Chinese, Japanese)	*3HAC032104-001*
Operating manual - Trouble shooting IRC5 (English, Swedish, German, French, Spanish, Portuguese, Italian, Danish, Dutch, Chinese, Korean, Japanese, Finnish, Czech, Polish, Russian, Turkish, Slovenian)	*3HAC020738-001*
Operating manual - Calibration Pendulum (English, German, French, Spanish, Italian, Chinese, Korean)	*3HAC16578-1*
Operating manual - IRB 14000 (English, German, French, Spanish, Italian, Chinese)	*3HAC052986-001*
Operating manual - Service Information System (English, German, French, Spanish, Italian)	*3HAC050944-001*
Operating manual - IRBP /D2009 (English, German, French, Spanish, Italian)	*3HAC038435-001*
Introduction and Safety - Arc Welding Products (English, Swedish, German, French, Spanish, Italian, Dutch)	*3HEA801212-001*
Operating manual - Seam tracking with Weldguide III and MultiPass (English, German, French, Spanish, Italian)	*3HEA802921-001*
Operating manual - Seam tracking with Weldguide IV and MultiPass (English)	*3HAC054886-001*

Product specification - Robot user documentation, IRC5 with RobotWare 6
3HAC052355-001 Revision: C

Title	Article number
Operating Manual - ArcWelding PowerPac (English)	*3HAC028931-001*
Operating manual - Machining PowerPac - CAM Converter Functionality (English)	*3HAC050262-001*
Operating manual - Machining PowerPac - Machining Functionality (English)	*3HAC054781-001*
Operating manual - Palletizing PowerPac (English)	*3HAC042340 -1*
Operating manual - RobotWare Machine Tending (English)	*3HAC044397-001*

2.3 Technical reference manuals

Article numbers

Title	Article number
Technical reference manual - RAPID Instructions, Functions and Data types (English, German, French, Spanish, Italian, Chinese)	*3HAC050917-001*
Technical reference manual - RAPID kernel (English)	*3HAC050946-001*
Technical reference manual - RAPID overview (English, German, French, Spanish, Italian, Chinese)	*3HAC050947-001*
Technical reference manual - System parameters (English, German, French, Spanish, Italian, Chinese)	*3HAC050948-001*
Technical reference manual - Lubrication in gearboxes (English, German, French)	*3HAC042927-001*

2.4 Application manuals

Hardware options

Title	Article number
Application manual - Additional axes and stand alone controller (English)	*3HAC051016-001*
Application manual - Electronic Position Switches (English, German, French, Spanish, Italian)	*3HAC050996-001*
Application manual - SafeMove (English, German, French, Spanish, Italian)	*3HAC050974-001*

Fieldbus options

Title	Article number
Application manual - DeviceNet Master/Slave (English, German)	*3HAC050992-001*
Application manual - DeviceNet Anybus Slave (English, German)	*3HAC050993-001*
Application manual - EtherNet/IP Anybus Adapter (English, German)	*3HAC050997-001*
Application manual - EtherNet/IP Scanner/Adapter (English, German)	*3HAC050998-001*
Application manual - PROFIBUS Anybus Device (English, German)	*3HAC050965-001*
Application manual - PROFIBUS Controller (English, German)	*3HAC050966-001*
Application manual - PROFIenergy Device (English, German)	*3HAC050966-001*
Application manual - PROFINET Anybus Device (English, German)	*3HAC050968-001*
Application manual - PROFINET Controller/Device (English, German)	*3HAC050969-001*

RobotWare options

Title	Article number
Application manual - Continuous Application Platform (English)	*3HAC050990-001*
Application manual - Controller software IRC5 (English, Chinese)	*3HAC050798-001*
Application manual - Conveyor tracking (English, German)	*3HAC050991-001*
Application manual - Discrete application platform (English)	*3HAC050994-001*

Title	Article number
Application manual - Force Control (English)	*3HAC050377-001*
Application manual - Integrated Vision (English, German, French, Spanish, Chinese, Japanese)	*3HAC044251-001*
Application manual - MultiMove (English, German, French, Spanish, Italian, Chinese)	*3HAC050961-001*
Application manual - PickMT (English, Swedish)	*3HAC051771-001*
Application manual - PickMT FeedLine Light (English, Swedish)	*3HAC052311-001*
Application manual - PickMT integration with ABB robot (English, Swedish)	*3HAC051770-001*
Application manual - SoftMove (English)	*3HAC050977-001*
Application manual - Production Screen (English)	*3HAC050964-001*
Application manual - Tool change support (English)	*3HAC050980-001*

PC software

Title	Article number
Application manual - PickMaster 3 (English, German, French, Spanish, Italian, Japanese)	*3HAC031978-001*
Application manual - PickMaster 5 (English)	*3HAC025829-001*
Application manual - IRC5 OPC Server help (English)	*3HAC023113-001*

Arc welding

Title	Article number
Application manual - Arc and Arc Sensor (English, German)	*3HAC050988-001*
Application manual - BullsEye (English, German)	*3HAC050989-001*
Application manual - Laser Tracker Calibration Interface (English)	*3HAC050957-001*
Application manual - Lincoln ArcLink Interface and Weld Editor (English)	*3HAC049194-001*
Application manual - Navigator (English)	*3HAC050962-001*
Application manual - Production Manager (English)	*3HAC052855-001*

Title	Article number
Application manual - Production Monitor (English)	*3HAC026810-001*
Application manual - Programming Integrated Power Source (English)	*3HAC050972-001*
Application manual - Programming ABB RPC S-series Integrated Power Source (English, Chinese)	*3HAC050970-001*
Application manual - Programming Fronius power source (English)	*3HAC050971-001*
Application manual - SKS Interface with Feldbus 5 (English, German)	*3HAC054884-001*
Application manual - SmarTac (English, German)	*3HAC024845-001*
Application manual - Torch services (English)	*3HAC050981-001*
Application manual - Weld Data Monitor (English)	*3HAC050983-001*
Application manual - Wire cutter (English)	*3HAC050999-001*
Signal Description - Arc Welding Products, IRC5 (English)	*3HAC031149-001*

Spot welding

Title	Article number
Application manual - Mechanical Unit Manager (English)	*3HAC050959-001*
Application manual - Servo gun tuning (English)	*3HAC026820-001*
Application manual - Spot options (English, German)	*3HAC050979-001*
Application manual - Tool change support (English)	*3HAC050980-001*

Dispense

Title	Article number
Application manual - Dispense (English, German)	*3HAC050995-001*

2.5 Product manuals

Controllers

Title	Article number
Product manual - IRC5 (English, German, French, Spanish, Italian, Japanese, Russian)	*3HAC021313-001* IRC5 of design M2004, main computer DSQC 639
Product manual - IRC5 (English, German, French, Spanish, Italian, Japanese, Russian)	*3HAC047136-001* IRC5 of design 14, main computer DSQC1000/1018
Product manual - IRC5 Compact (English, German, French, Spanish, Italian, Chinese)	*3HAC035738-001* IRC5 of design M2004, main computer DSQC 639
Product manual - IRC5 Compact (English, German, French, Spanish, Italian, Chinese)	*3HAC047138-001* IRC5 of design 14, main computer DSQC1000/1018
Product manual - IRC5 Panel Mounted Controller (English, German, French, Spanish, Italian)	*3HAC027707-001* IRC5 of design M2004, main computer DSQC 639
Product manual - IRC5 Panel Mounted Controller (English, German, French, Spanish, Italian)	*3HAC047137-001* IRC5 of design 14, main computer DSQC1000/1018

Manipulators

Title	Article number
Product manual - IRB 120 (English, German, French, Spanish, Italian, Chinese, Japanese)	*3HAC035728-001*
Product manual, spare parts - IRB 120 (English)	*3HAC049098-001*
Product manual - IRB 140 (English, German, French, Spanish, Italian, Japanese)	*3HAC027400-001*
Product manual, spare parts - IRB 140 (English)	*3HAC049099-001*
Product manual - IRB 260 (English, German, French, Spanish, Italian)	*3HAC026048-001*
Product manual, spare parts - IRB 260 (English)	*3HAC049100-001*
Product manual - IRB 360 (English, German, French, Spanish, Italian)	*3HAC030005-001*
Product manual, spare parts - IRB 360 (English)	*3HAC049101-001*
Product manual - IRB 460 (English, German, French, Spanish, Italian, Chinese)	*3HAC039842-001*
Product manual, spare parts - IRB 460 (English)	*3HAC040628-001*

Title	Article number
Product manual - IRB 660 (English, German, French, Spanish, Italian, Russian)	*3HAC025755-001*
Product manual, spare parts - IRB 660 (English)	*3HAC049102-001*
Product manual - IRB 760 (English, German, French, Spanish, Italian)	*3HAC039838-001*
Product manual, spare parts - IRB 760 (English)	*3HAC040446-001*
Product manual - IRB 1200 (English, German, French, Spanish, Italian, Chinese)	*3HAC046983-001*
Product manual, spare parts - IRB 1200 (English)	*3HAC046984-001*
Product manual - IRB 1410 (English, German, French, Spanish, Italian, Chinese, Korean)	*3HAC026320-001*
Product manual, spare parts - IRB 1410 (English)	*3HAC049103-001*
Product manual - IRB 1520 (English, German, French, Spanish, Italian, Chinese)	*3HAC043435-001*
Product manual, spare parts - IRB 1520 (English)	*3HAC043436-001*
Product manual - IRB 1600 type A (English, German, French, Spanish, Italian, Polish)	*3HAC026660-001*
Product manual, spare parts - IRB 1600 (English)	*3HAC049104-001*
Product manual - IRB 2400 (English, German, French, Spanish, Italian)	*3HAC022031-001*
Product manual, spare parts - IRB 2400 (English)	*3HAC049105-001*
Product manual - IRB 2600 (English, German, French, Spanish, Italian)	*3HAC035504-001*
Product manual, spare parts - IRB 2600 (English)	*3HAC049106-001*
Product manual - IRB 4400 (English, German, French, Spanish, Italian)	*3HAC022032-001*
Product manual, spare parts - IRB 4400 (English)	*3HAC049107-001*
Product manual - IRB 4600 (English, German, French, Spanish, Italian, Japanese)	*3HAC033453-001*
Product manual - IRB 4600 Foundry Prime (English, German, French, Spanish, Italian)	*3HAC040585-001*
Product manual, spare parts - IRB 4600 (English)	*3HAC049108-001*

Title	Article number
Product manual - IRB 6620 (English, German, French, Spanish, Italian)	3HAC027151-001
Product manual, spare parts - IRB 6620 (English)	3HAC049109-001
Product manual - IRB 6620LX (English, German, French, Spanish, Italian)	3HAC035737-001
Product manual, spare parts - IRB 6620LX (English)	3HAC049110-001
Product manual - IRB 6640 (English, German, French, Spanish, Italian, Japanese)	3HAC026876-001
Product manual - IRB 6640 Foundry Prime (English, German, French, Spanish, Italian)	3HAC040586-001
Product manual, spare parts - IRB 6640 (English, German)	3HAC038330-001
Product manual - IRB 6650S (English, German, French, Spanish, Italian)	3HAC020993-001
Product manual, spare parts - IRB 6650S (English)	3HAC049111-001
Product manual - IRB 6660 (English, German, French, Spanish, Italian)	3HAC028197-001
Product manual, spare parts - IRB 6660 (English)	3HAC049112-001
Product manual - IRB 6700 (English, German, French, Spanish, Italian)	3HAC044266-001
Product manual, spare parts - IRB 6700 (English, German, French, Spanish, Italian)	3HAC044268-001
Product manual - IRB 7600 (English, German, French, Spanish, Italian)	3HAC022033-001
Product manual, spare parts - IRB 7600 (English)	3HAC049113-001
Product manual - IRB 8700 (English)	3HAC052853-001
Product manual, spare parts - IRB 8700 (English)	3HAC052854-001
Product manual - IRB 910SC (English)	3HAC056430-001
Product manual, spare parts - IRB 910SC (English)	3HAC056433-001
Product manual - IRB 14000 (English, German, French, Spanish, Italian, Chinese)	3HAC052983-001
Product manual, spare parts - IRB 14000 (English, German, French, Spanish, Italian, Chinese)	3HAC052984-001

Title	Article number
Product manual - Grippers for IRB 14000 (English, German, French, Spanish, Italian, Chinese)	*3HAC054949-001*
Product manual - IRBP /D2009 (English, German, French, Spanish, Italian)	*3HAC037731-001*
Product manual, spare parts - IRBP /D2009 (English)	*3HAC038416-001*
Product manual - IRBT 2005 (English, German, French, Spanish, Italian, Chinese)	
Product manual, spare parts - IRBT 2005 (English)	
Product manual - IRBT 4004/6004/7004/IRT 104 (English, German, French, Spanish, Italian)	*3HAC028506-001*
Product manual, spare parts - IRBT 4004/6004/7004 (English, German, French, Spanish, Italian)	*3HAC042864-001*
Product manual - RTT 1600/2400L, IRC5 (English, German, French, Spanish, Italian)	*3HAC031150-001*

Other hardware

Title	Article number
Product manual - DressPack/SpotPack IRB 6620 (English, German, French, Spanish, Italian)	*3HAC027309-001*
Product manual - DressPack/SpotPack IRB 6640 (English, German, French, Spanish, Italian)	*3HAC028638-001*
Product manual - DressPack/SpotPack IRB 6650S/7600 (English, German, French, Spanish, Italian)	*3HAC032103-001*
Product manual - DressPack/SpotPack IRB 6700 (English, German, French, Spanish, Italian)	*3HAC044270-001*
Product manual - DressPack/SpotPack IRB 8700 (English)	*3HAC055802-001*
Product manual - FlexMT (English)	*3HAC051768-001*
Product manual - FlexPLP IRPLP220 (English)	*3HAW050041018-001*
Product manual - Safety center for FlexMT (English)	*3HAC051769-001*
Product manual - Arc welding equipment for IRB 1520ID (English, German, French, Spanish, Italian, Chinese)	*3HAC043438-001*
Product manual - Motor Units and Gear Units (English, German, French, Spanish, Italian, Chinese)	*3HAC040148-001*
Product manual - Process Interface (English, German, French, Spanish, Italian)	*3HAC029959-001*
Product manual - Torch Cleaner TC96 (English, German, French, Spanish, Italian)	*501105-501*

Title	Article number
Assembly Instructions - Torch Cleaner (TC 2013) / Torch Service Centre (TSC 2013) (English, German)	*3HDA000057A8519-001*

2.6 Product specifications

Controllers

Title	Article number
Product specification - Controller IRC5 (English, German, French, Spanish, Italian, Japanese)	3HAC047400-001
Product specification - Controller software IRC5 (English, German, French, Spanish, Italian, Japanese)	3HAC050945-001 RobotWare 6

Manipulators

Title	Article number
Product specification - IRB 120 (English, German, French, Spanish, Italian, Chinese)	3HAC035960-001
Product specification - IRB 140 (English, German, French, Spanish, Italian, Japanese)	3HAC041346-001
Product specification - IRB 260 (English, German, French, Spanish, Italian)	3HAC025046-001
Product specification - IRB 360 (English, German, French, Spanish, Italian, Japanese)	3HAC029963-001
Product specification - IRB 460 (English, German, French, Spanish, Italian, Chinese)	3HAC039611-001
Product specification - IRB 660 (English, German, French, Spanish, Italian)	3HAC023932-001
Product specification - IRB 760 (English, German, French, Spanish, Italian)	3HAC039612-001
Product specification - IRB 1200 (English, German, French, Spanish, Italian, Chinese)	3HAC046982-001
Product specification - IRB 1410 (English)	3HAC026366-001
Product manual - IRB 1520 (English, German, French, Spanish, Italian, Chinese)	3HAC043435-001
Product specification - IRB 1600 (English, German, French, Spanish, Italian)	3HAC023604-001
Product specification - IRB 2400 (English, German, French, Spanish, Italian)	3HAC042195-001
Product specification - IRB 2600 (English, German, French, Spanish, Italian, Japanese)	3HAC035959-001
Product specification - IRB 4400 (English, German, French, Spanish, Italian)	3HAC042478-001
Product specification - IRB 4600 (English, German, French, Spanish, Italian, Japanese)	3HAC032885-001
Product specification - IRB 6620 (English, German, French, Spanish, Italian)	3HAC025861-001

Title	Article number
Product specification - IRB 6640 (English, German, French, Spanish, Italian, Japanese)	3HAC028284-001
Product specification - IRB 6650S (English, German, French, Spanish, Italian)	3HAC030822-001
Product specification - IRB 6660 (English, German, French, Spanish, Italian)	3HAC028207-001
Product specification - IRB 6700 (English, German, French, Spanish, Italian)	3HAC044265-001
Product specification - IRB 7600 (English, German, French, Spanish, Italian)	3HAC023934-001
Product specification - IRB 8700 (English)	3HAC052852-001
Product specification - IRB 910SC (English)	3HAC056431-001
Product specification - IRB 14000 (English, German, French, Spanish, Italian, Chinese)	3HAC052982-001
Product specification - Linear Axis (English, German, French, Spanish, Italian)	3HAC036094-001
Product specification - IRBP /D2009 (English)	3HAC038208-001
Product specification - IRBT 2005 (English)	
Product specification - IRBT 4004/6004/7004 (English, German, French, Spanish, Italian)	3HEA802965-001
Product specification - RTT 1600/2400 (English, German, French, Spanish, Italian)	3HAC028561-001

Other

Title	Article number
Product specification - FlexMT (English, German, French, Spanish, Italian, Czech, Swedish)	3HAC049820-001
Product specification - Integrated Vision (English)	3HAC046868-001
Product specification - Motor Units and Gear Units (English, German, French, Spanish, Italian, Chinese)	3HAC040147-001
Product specification - PickMaster 3 (English)	3HAC041347-001
Product specification - PickMaster 5 (English)	3HAC5842-9
Product specification - RobotStudio (English)	3HAC026932-001

Contact us

ABB AB
Discrete Automation and Motion
Robotics
S-721 68 VÄSTERÅS, Sweden
Telephone +46 (0) 21 344 400

ABB AS, Robotics
Discrete Automation and Motion
Nordlysvegen 7, N-4340 BRYNE, Norway
Box 265, N-4349 BRYNE, Norway
Telephone: +47 51489000

ABB Engineering (Shanghai) Ltd.
No. 4528 Kangxin Hingway
PuDong District
SHANGHAI 201319, China
Telephone: +86 21 6105 6666

www.abb.com/robotics

Power and productivity
for a better world™

ABB