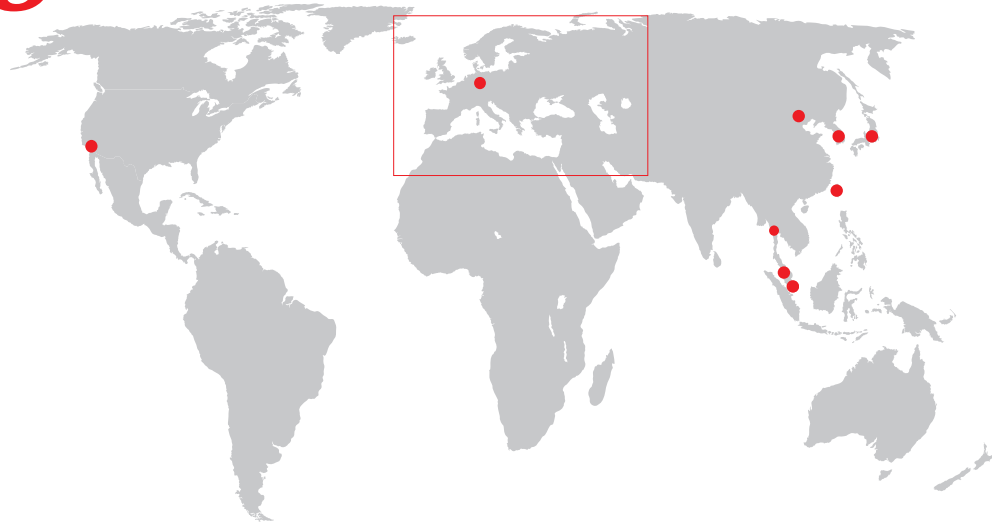


DENSO



DENSO

www.densorobotics-europe.com

PRODUCT OVERVIEW



- Germany (Headquarters)
- Austria | Benelux | Czech Republic (covers Slovakia & Poland) | Denmark (covers Norway) | Finland | France | Israel | Italy | Lithuania (covers Latvia) | Romania (covers Hungary) | Russia (covers all Russian speaking countries) | Serbia (covers Slovenia, Croatia, Bosnia & Herzegovina, Montenegro, Macedonia & Bulgaria) | Spain | Sweden | Switzerland | Turkey | United Kingdom (covers Ireland)

Headquarters:

DENSO Robotics Europe | DENSO EUROPE B.V.

Waldeckerstr. 9, 64546 Moerfelden-Walldorf, Germany

t: +49 (0) 6105 27 35 150 f: +49 (0) 6105 27 35 180

@: info@densorobotics-europe.com (commercial information)

@: support@densorobotics-europe.com (technical support)

NOTE: The information contained in this brochure is intended for reference purposes only and is subject to change without prior notice. Please contact us for additional information.



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DENSO - Inventor of the QR Code

EN_Overview_EU_032016_V1

Our full range of 4, 5, and 6-axis small industrial robots



www.densorobotics-europe.com

English

We are one of the world's 500
largest companies

DENSO is the world's
leading provider of small-
assembly industrial robots

There are more than 85,000
DENSO robots installed
across the globe

DENSO employs some
17,000 robots in its own
manufacturing plants

DENSO robots

- are extremely fast (up to 11,500 mm/s)
- are very precise
- can manage payloads of up to 20 kg
- offer a maximum arm reach of 1298 mm
- are compact and light
- require minimal periodic maintenance
- come with a 2-year guarantee



- "DENSO robots were easy to integrate in our existing software environment."
Eva-Maria Mendez Montilla, Aerodynamics Testing, Airbus Operations GmbH, Germany
- "DENSO offers the largest range of models, as well as the same programming and controller for its 4 and 6 axis robots."
Svend Arne Dynnweber, Project Manager for Danfoss, Denmark
- "Very robust, resilient, and fast robots."
Harry Westavik, Research Manager for Automation and Product Efficiency, SINTEF, Norway
- "The robots feature a compact, light, and attractive design, as well as long arm reach."
Kartal Can, CEO, Rofobox GmbH, Germany


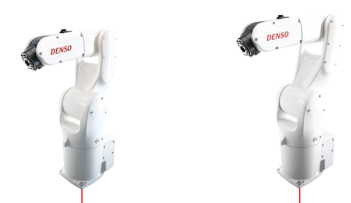





DENSO robots are employed in a range of sectors, including the medical, pharmaceutical, and aerospace industries.



DENSO robots are an excellent choice for numerous applications, from "pick & place" to highly complex solutions.














OUR FULL RANGE
OF SMALL INDUSTRIAL ROBOTS

ARM REACH		400 mm	500 mm	600 mm	700 mm	800 mm	900 mm	1000 mm	1300 mm
6-AXIS ROBOTS		VP Series	New VS Series	VS Series	New VS Series	VS Series	New VS Series	VM Series	
		 VP-5243G VP-6242G Options available: ■ Standard (IP40)	 VS-050 VS-060 Options available: ■ Standard (IP40) ■ Dust & splash-proof (IP65/54) ■ Protected (IP67) ■ Cleanroom (ISO 5 & 3) ■ UL specifications ■ Cleanroom (ISO 5) + H ₂ O ₂ /UV resistant (only VS-050)	 VS-6556G Options available: ■ Standard (IP40) ■ Dust & splash-proof (IP65/54) ■ Cleanroom (ISO 5 & 3) ■ UL specifications	 VS-068 Options available: ■ Standard (IP40) ■ Dust & splash-proof (IP65/54) ■ Protected (IP67) ■ Cleanroom (ISO 5 & 3) ■ UL specifications	 VS-6577G Options available: ■ Standard (IP40) ■ Dust & splash-proof (IP65/54) ■ Cleanroom (ISO 5 & 3) ■ UL specifications	 VS-087 Options available: ■ Standard (IP40) ■ Dust & splash-proof (IP65/54) ■ Protected (IP67) ■ Cleanroom (ISO 5 & 3) ■ UL specifications ■ Cleanroom (ISO 5) + H ₂ O ₂ /UV resistant	 VM-6083G VM-60B1G Options available: ■ Standard (IP40) ■ Dust & splash-proof (IP65/54) ■ Cleanroom (ISO 5)	
	PAYLOAD	2 kg – 3 kg	4 kg – 7 kg				13 kg		

The world's smallest robot controller in its class.



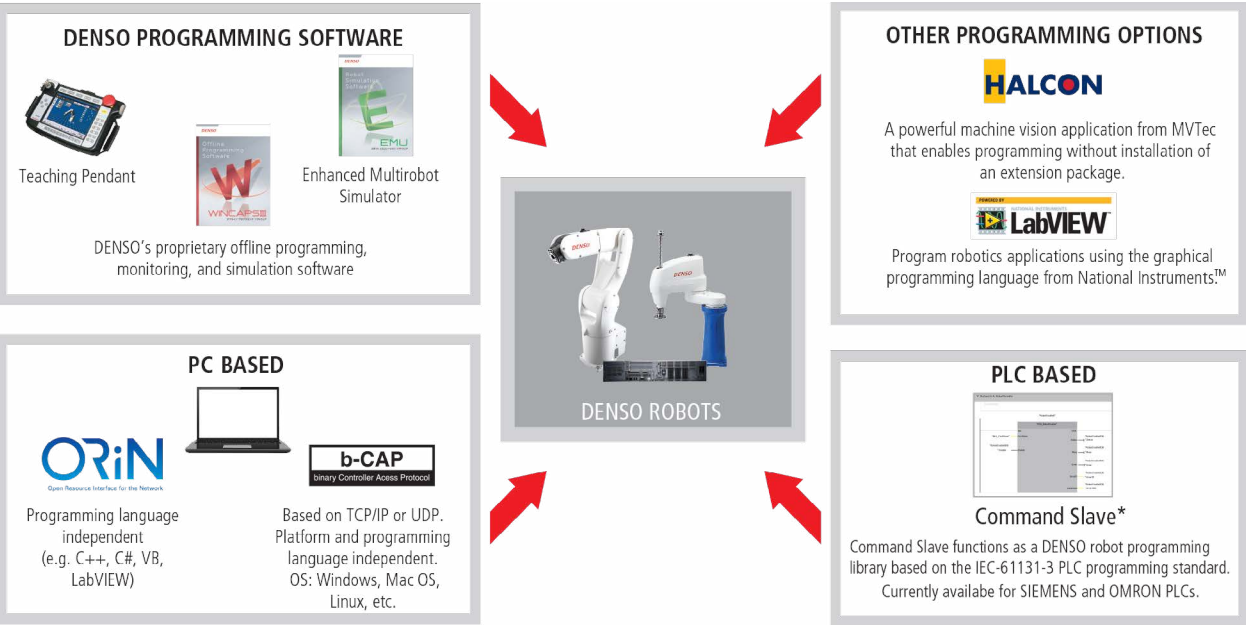
Presenting the RC8.

ARM REACH		350 mm	450 mm	550 mm	600 mm	700 mm	850 mm	1000 mm
4-AXIS ROBOTS		XR Series	HS Series			HM Series		
	 XR	 HS-4535G Options available: ■ Standard (IP40) ■ Bellows on 3rd axis ■ Dust & splash-proof (IP65) ■ Cleanroom (ISO 3) ¹ ■ UL specifications ²	 HS-4545G  Cleanroom type  Ceiling-mounted	 HS-4555G	 HM-4060G Options available: ■ Standard (IP40) ■ Bellows on 3rd axis ■ Dust & splash-proof (IP65) ■ UL specifications ³	 HM-4070G	 HM-4A85G ¹ Cleanroom type is only suitable for floor mounting (HS Series). ² UL specifications are only for floor mounting (HS Series). ³ UL specifications are for floor and ceiling mounting (HM Series).	 HM-4AA0G  Ceiling-mounted
PAYLOAD			5 kg		10 kg – 20 kg			

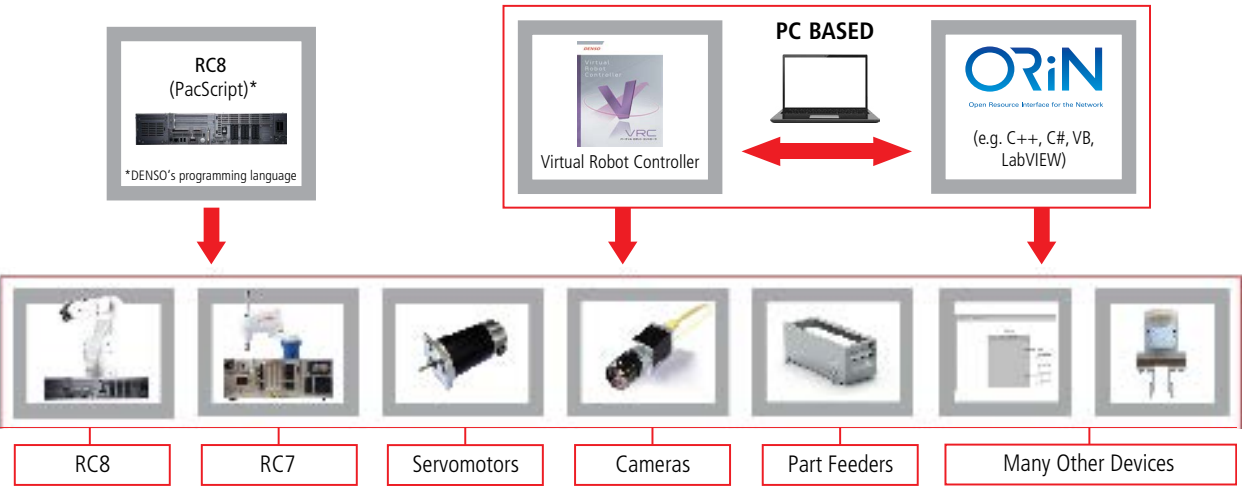
PROGRAMMING OPTIONS

Diverse options are available for controlling DENSO robots.

Programming Denso Robot



Peripheral Device Programming



Accessories

Pendants



To control DENSO robots, you can use the teaching pendant or mini pendant. The full-featured teaching pendant offers a 7" color touchscreen. The mini pendant is more compact and better suited for mobile use.

Industrial ethernet, fieldbuses, and communication boards



We offer a wide range of communication boards and support the most commonly used fieldbus and industrial ethernet systems (e.g. CC-Link, PROFIBUS®, DeviceNet™, EtherNet/IP™, EtherCAT®, and PROFINET®).

Motor & encoder cables



For DENSO robots and controllers we offer a wide variety of cable lengths and types (from 1 m to 20 m; L-shape connectors, dust & splash proof cables, etc.).

I/Os



Choose from a range of I/O sets, connectors, and cables for your applications.

Special accessories for the New VS Series



We offer various special accessories for the New VS Series, including attachments for cameras and grippers directly in front of the robot's 6th axis, a battery extension unit, and brake release unit.

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*Command Slave will soon be available for Beckhoff and Rockwell.

