

SIEMENS

Ingenuity for life



Robot
Control
Cabinet



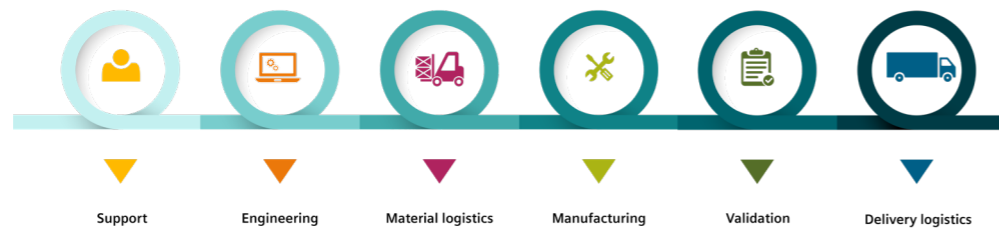
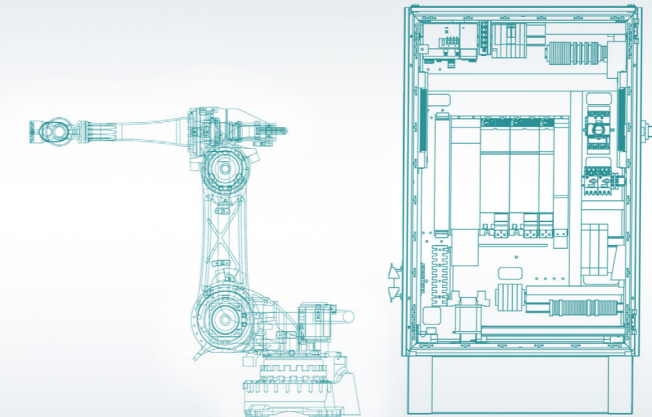
Controlgear from WKC. Maximize Flexibility.

Robot Control Cabinets (RCC) for perfect ready-to-connect integration of your Run MyRobot application

www.siemens.com/sinumerik-robotics

Robot Control Cabinet

Solutions from a single source, perfectly adapted to your robotics projects



WKC as your partner of expertise

The Siemens Systems Engineering Plant (WKC) in Chemnitz produces controlgear and customized electronic components for the global market. Siemens WKC specializes, in particular, in solutions for machinery and industry, as well as project business in the logistics and automotive sector.

As part of an integrated and smart factory, we use the digital twin for engineering purposes right from the outset. This allows us to engineer and implement your customer projects individually with maximum quality and efficiency throughout the entire value-add chain.

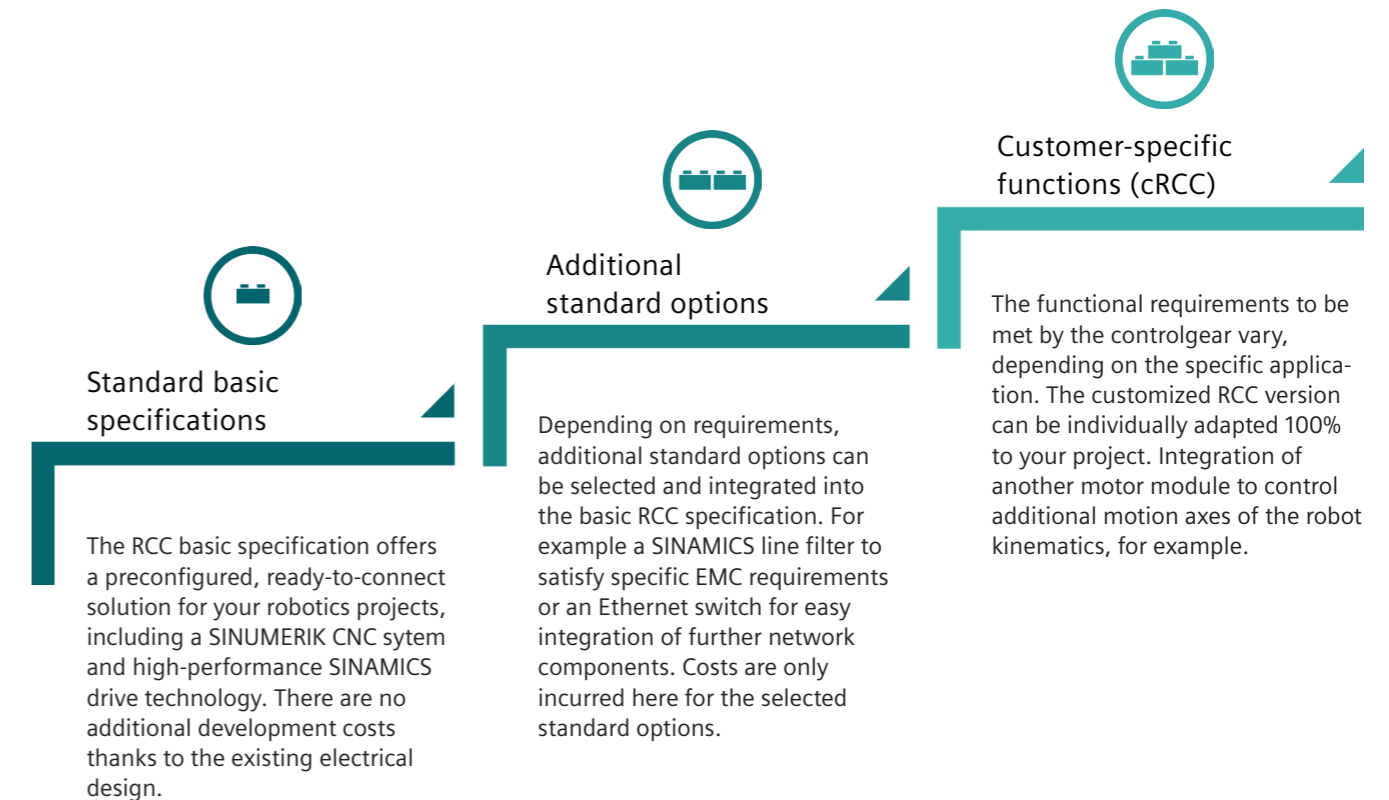
Technical expertise and know-how with many years of experience.

All components integrated in the digital factory from the outset.

Robot Control Cabinets from Siemens WKC

Digitalization also enables machine tools to be used in ever closer association with automated applications. The „Run MyRobot“ Siemens solution is an example of this. The solution now means robots can be integrated even more easily in the Sinumerik CNC system and the digital interface of a machine tool.

Another solution that likewise supports this technology is the standardized Robot Control Cabinet (RCC) from Siemens WKC. The RCC provides you with the choice of a basic control cabinet version, which is immediately available and ready to connect to your robotics systems, a predesigned solution with additional options, or a 100% customer-specific application.





Pre-configured basic versions
for quick and easy commissioning.

RCC standard basic specification with additional options

Design example Size 1

Technical Data*:

Parameters	Data / values
Supply system	TN-C / 3AC 400V / 50Hz
Control voltage	24 V DC (buffered 4s)
Color	Enclosure RAL 7035; plinth RAL 9005
Dimensions (H x W x D) (incl. plinth and air conditioner)	RCC Size 1: 1.400 x 1088 x 500mm RCC Size 2: 1.400 x 1488 x 500mm
IP protection class	IP 54 for demanding conditions
Ambient temperature (max.)	35°C

For universal, robust operating conditions

Flexible and modular expandable system

Component examples*:

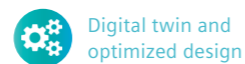
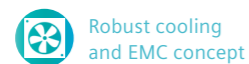
- SINUMERIK / SINAMICS / Software based on Siemens Sizer specification
- ET 200SP PLC Interface 16xDI, 8xDQ, 8xF-DI, 4xF-DQ
- Siemens connection box, included SINUMERIK Handheld Terminal HT 8
- Plug-in connector for the robot interface, power supply and encoder (6 axes)

Additional standard options*:

- SINAMICS line filter (cat. C3 and C2 based on EN 61800-3)
- Siemens SCALANCE Ethernet Switch

Contact with Siemens WKC:

WKC coordinates your RCC project in all phases of solution development. Please contact your representative at the Siemens sales office if you have any implementation questions.



*The data provided here are selected examples and do not claim to be exhaustive.

Standard options:

- Siemens SCALANCE Ethernet Switch

Standard basic:

- Siemens SIMATIC ET 200SP

Standard options:

- Siemens SINAMICS Line Filter

Standard basic:

- Siemens connection box, incl. SINUMERIK Handheld Terminal HT 8



*The illustration shows an RCC Size 1 without the required cooling unit or the necessary filter fan.

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The Robot Control Cabinet (RCC) is a component designed to be used and integrated into a machine system. The machine manufacturer/end user is solely responsible for the safety of the machine system, conformity with EU directives, and suitability in the end user's application.

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