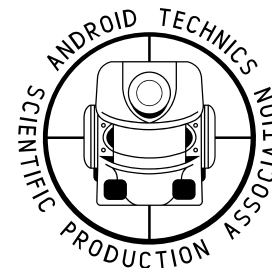


## OBJECTIVE CHARACTERISTICS



# COLLABORATIVE ROBOT CR5

The collaborative robot CR5 represents a manipulator comprising a strong lightweight structure of movable links and drive units in equal-strength bodyframes.

### TECHNICAL CHARACTERISTICS:

Overall dimensions (length, width, height)	283x155x1055 mm
Mass of mobile parts	28 kg
Load capacity	5 kg
Maximum size in cross-section	300x160 mm
Number of output mobile links	3 pcs
Number of drive degrees, pcs	6 pcs
Maximum error of positioning accuracy convex hemisphere with a radius	1 mm
Service area — space in the form of выпуклой полусферы с радиусом	200 mm
Orientation angle of the output link in the space of the hemisphere	$\pm 75$ degrees
Distance between the center of the working zone and the base	500 mm
Maximum rotation angle of each unit	$\pm 170$ degrees
Supply voltage	48 V
Power consumption (power)	3000 W
Maximum travel speed	50 mm/s
Axle spacing between units of the first knee	415 mm
Axle spacing between units of the first knee	395 mm

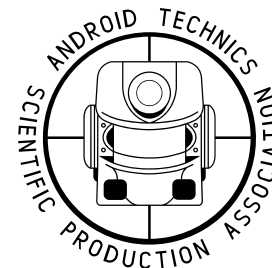


**1,8 m<sup>2</sup>**

Working area in a horizontal plane

**1,2 m<sup>2</sup>**

Working area in a vertical plane



# COLLABORATIVE ROBOT CR5

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## SET OF DELIVERY:

- 1 Manipulator

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- 2 Gripper module (option)

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- 3 Operator station

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- 4 Set of cables for connection

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- 5 Software for control of the collaborative manipulator

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- 6 Datasheet





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- 7 Operating manual

## FUNCTIONALITY:

1. Control of the collaborative six-degree-of-freedom manipulator performed with use of a specially developed graphic user interface, which allows specifying and correcting points on curves of the manipulator movement trajectory.
2. The movement trajectory is created by the control system independently according to the pre-set algorithm. Only an initial point and an end point of the pre-set trajectory are taken as a basis. Positioning points of the gripper device are set in absolute coordinates.

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