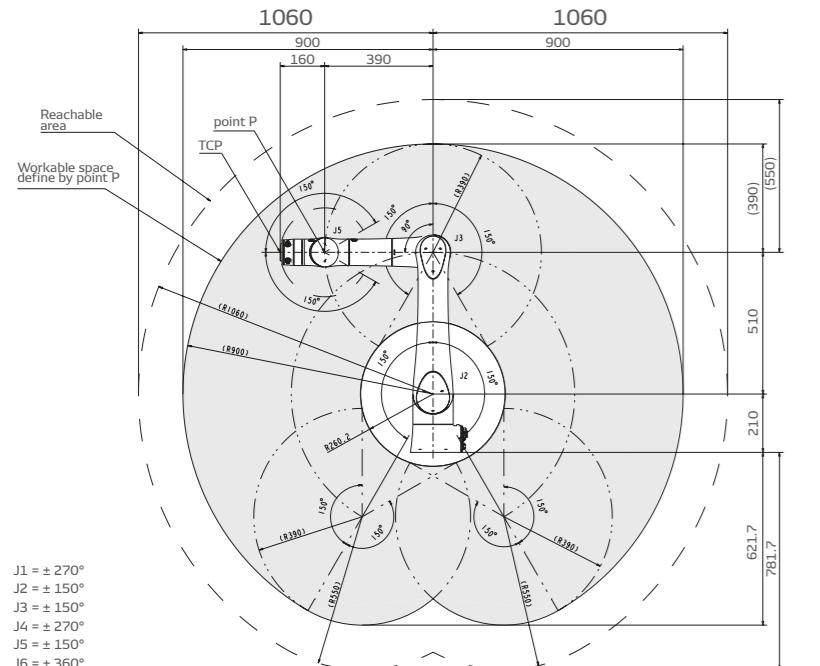
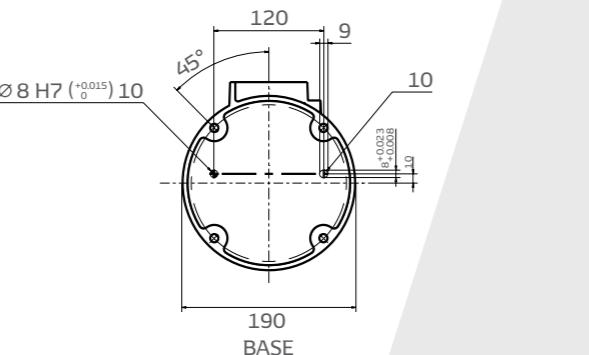
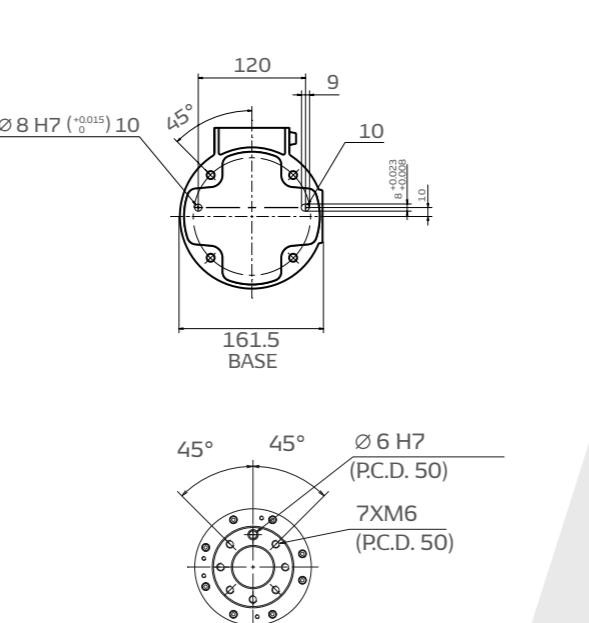
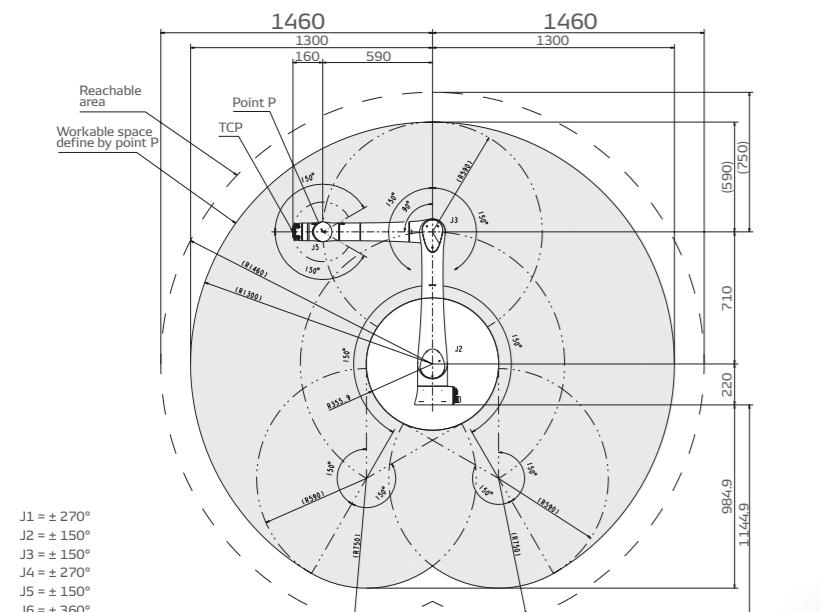


# Workspace **COBOTTA PRO**

COBOTTA 900



COBOTTA 1300

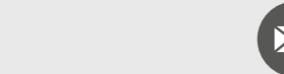


**DENSO** Robotics  
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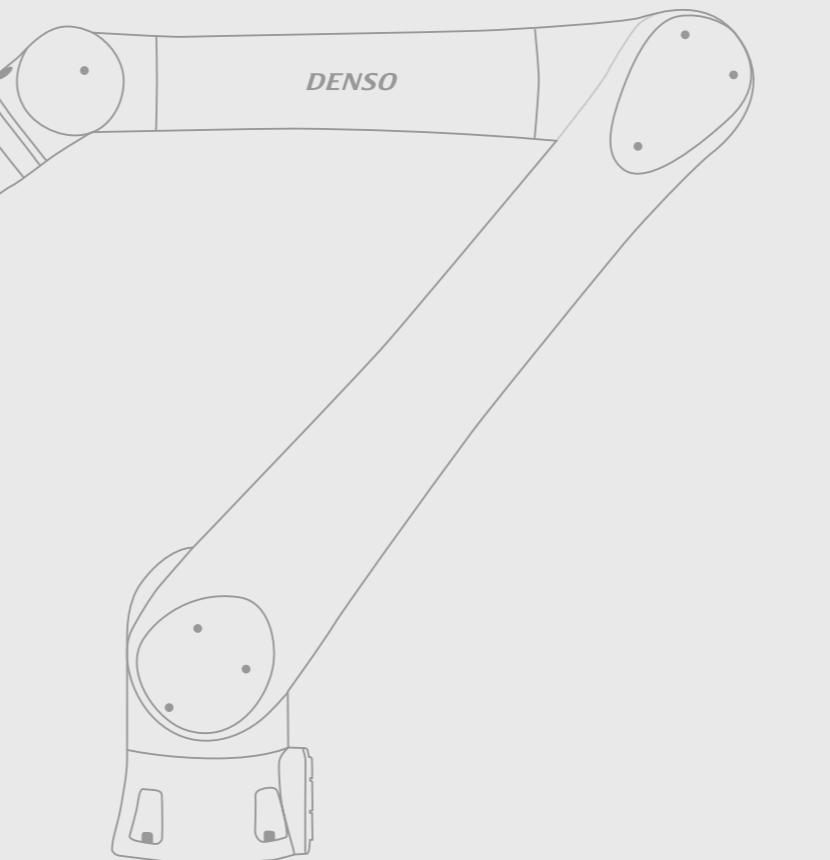
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**DENSO**  
robotics



**COBOTTA PRO**



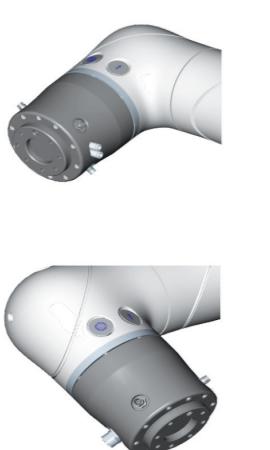
## Specifications



	COBOTTA PRO 900	COBOTTA PRO 1300
Maximum arm reach	908 mm	1,303 mm
Maximum payload	6 kg	12 kg
Maximum TCP speed <sup>*1</sup>	2,100 mm/s	2,500 mm/s
Position repeatability	±0.03 mm	±0.04 mm
Degree of protection	IP 54	IP 54
Cleanliness <sup>*2</sup>	Clean Class 5	Clean Class 5
Mounting	Ceiling, Floor, Wall	Ceiling, Floor, Wall
Weight	28.5 kg	38 kg
Option	Rear or Bottom Connector	
ISO Standards	EN ISO 10218-1:2011, EN ISO 13849 1:2015, ISO/TS 15066:2016	

<sup>\*1</sup> Maximum TCP speed during high-speed operation, <sup>\*2</sup> Cleanroom type

(Notes) This product is an industrial robot capable of operating in collaboration with human beings. Before using the product, be sure to conduct risk assessment in accordance with the applicable law, regulations, notices, guidance, IEC 62900:2013, etc. and reduce risk as much as possible. The customer is responsible for confirming the compliance with the laws, regulations and standards applicable to the usage environment.



### Standard internal wiring

Air Piping	2x Ø 4
GigaBit Ethernet	1000 BASE-T
Hand Connector	RS-485, 2x input / 2x output, 24V/0V
User Wiring	24V/0V, 3x input / 3x output, 2x noise resistant direct wiring

### Direct Wiring (Option)

Direct Wiring	6 lines
GigaBit Ethernet	1000 BASE-T
Hand Connector	RS-485, 2x input / 2x output, 24V/0V
User Wiring	24V/0V, 3x input / 3x output, 2x noise resistant direct wiring

# COBOTTA PRO

## High Speed

The lightweight, high-rigidity aluminium housing is equipped with DENSO developed torque sensors (highly rigid & lightweight) in all axis. By using both, high speed and collaborative operation, depending on the safety scene and risk assessment, the COBOTTA PRO safely contributes to productivity improvement.



### Robot

#### COBOTTA PRO 1300

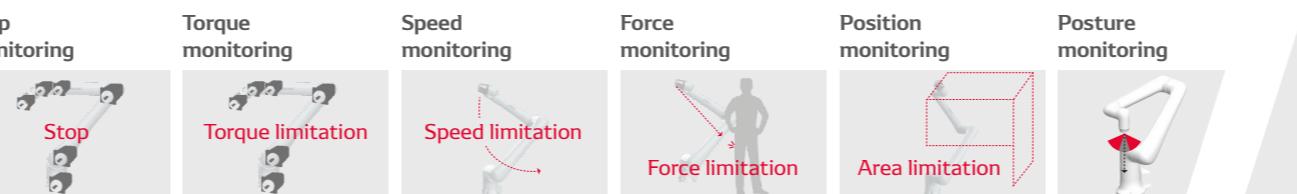
Robot	Touch-sensing soft cover	Collaborative operations		High-speed operation
		Pinching <sup>*1</sup>	Collision <sup>*2</sup>	
COBOTTA PRO 1300	Without	200 mm/s	1,400 mm/s	2,500 mm/s
	With	500 mm/s	2,000 mm/s	

<sup>\*1</sup> Definition of pinching: A collision whose energy cannot escape, <sup>\*2</sup> Definition of collision: A collision whose energy can escape



## Safety

COBOTTA PRO is equipped with various safety functions that ensure highest safety standards.



By adding the optional touch sensing soft cover, the speed can even be increased while working in the collaborative mode.



## Easy to Use

With the newly developed direct teach function for COBOTTA PRO, it is possible to create even complex tasks which require a high degree of precision quickly and easy. With optional functions such as fine adjustment and plane surface alignment, direct teaching is further simplified even for complex applications.

By using BLOCKLY, a visual intuitive programming language, even beginners can create advanced robot applications, while avoiding any syntax errors.



## Integrated control

A key feature of the CRC9 is its open development environment and the fully integrated TwinCAT real time layer broadening the range of applications.

