DENSO

MC9 for supporting original robot development and control

— MC9, an RC9-based motion controller best suited for original robot development

Supports original robot development

Robot-specific features and environments such as a robot language operation HMI and offline programming system are required to develop controllers for original robots.

Using MC9 as a controller allows all the features and environments of Denso robots to be utilized to achieve significantly reduced development times and manhours.

Setup for controlling original robots is quick and easy. For orthogonal, parallel link, scalar, and vertical articulated types that are registered in the kinematics settings, all you have to do is enter the arm information.
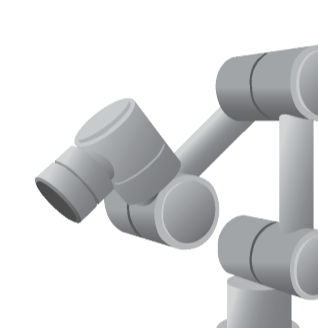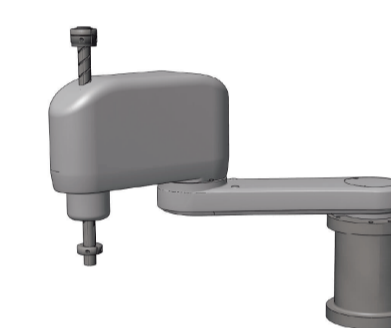
MC9 controller

Smart TP WINCAPSⅢ

Kinematics setup tool

Examples of original robots

Parallel link robot   Scalar robot   Vertical articulated robot

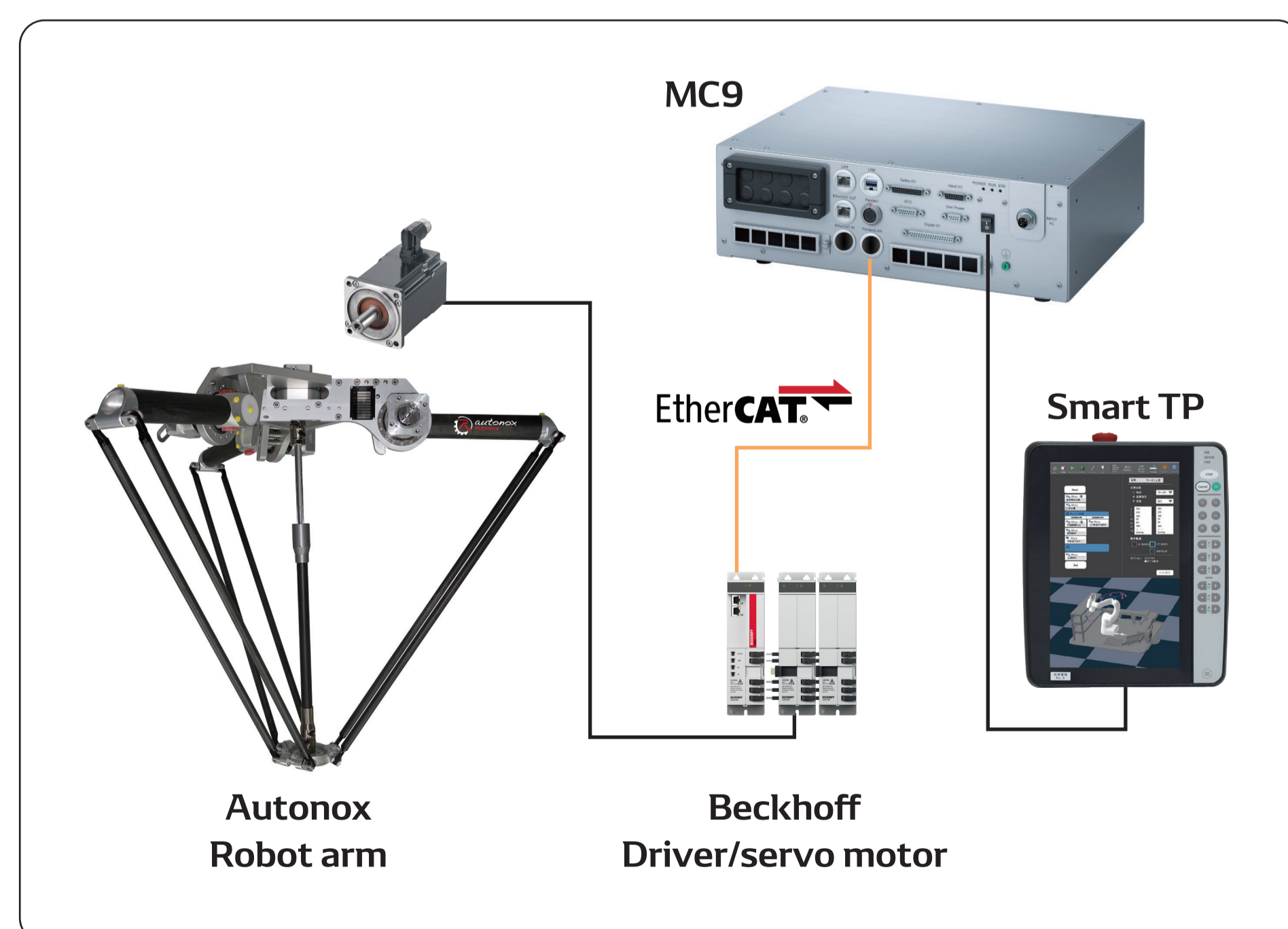## Controls original robots with familiar operating systems and features

When a Denso robot user uses an original robot controlled by MC9, the user can continue to utilize their familiar operating systems and features such as teaching pendant and offline programming software WINCAPSⅢ.
Robot programs and other software assets can also be utilized.

MC9 specifications

External Dimensions	W425×D340×H130 [㎜]
Weight	Approx. 10 kg
IP rating	IP20
Power supply specifications	Single phase 100 VAC -10% to 230 VAC +10%

System configuration

MC9

EtherCAT.

Smart TP

Autonox Robot arm

Beckhoff Driver/servo motor

Robot arm specifications

Robot arm	Type	A_00036-T1
	Manufacturer	Autonox
Arm length	1,200 [mm]	
Payload	3kg	

Driver / motor specifications

Driver	Type	AX8206-0200-0000
	Manufacturer	Beckhoff
Servo motor	Axis J1 to J3	AM8043-0HH1
	Motor capacity	2.5kw
	Axis J4	AM8032-0EH1
	Motor capacity	Capacity: 1.38 kw
	Manufacturer	BECKHOFF