

Selection table

Multi-axes motion controllers			
			
Model	Trajexia	C1W-MCH71	C1W-NCF71
	Flexible concept of advanced motion control over MECHATROLINK-II motion bus and traditional interfaces	Advanced motion controller over MECHATROLINK-II motion bus	Point-to-point positioning controller over MECHATROLINK-II motion bus
Axes control method	MECHATROLINK-II motion bus, analogue output and pulse-train	MECHATROLINK-II motion bus	MECHATROLINK-II motion bus
Number of axes	16 servos + 8 inverters	30 real and 2 virtual axes	16
Applicable servo drive	Sigma II	Sigma II	Sigma II
Application	Advanced motion, e-cam, e-gearbox, phase shift, registration	Advanced motion, e-cam, ELS, phase shift, registration	From simple PTP to multi axis PTP coordinated systems.
Servo control mode	Position, speed and torque	Position, speed and torque	Position, speed and torque
PLC series	Stand alone motion solution. Ethernet, PROFIBUS-DP and DeviceNet connectivity	Advanced motion controller over MECHATROLINK-II motion bus	CJ1 and CS1 PLCs
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Servo-based motion controllers		
		
Model	MCW151	XtraDrive
	Advanced motion in a compact package	All in one! Servo drive and motion controller integrated
Axes control method	Direct connection to servo drive	Integrated into the servo drive
Connectivity	DeviceNet, PROFIBUS, Hostlink	PROFIBUS
Digital I/O	8 DI, 6 DO, 2 registration inputs, 1 encoder IN 1 pulse OUT + Servo IOs	Servo inputs + expansion available
Application	Advanced motion, e-cam, e-gearbox, phase shift, registration	Advanced motion
Servo control mode	Position, speed and torque. Open loop pulse train for additional axis	Position, speed and torque.
Applicable servo drive	Sigma-II	XtraDrive
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Multi-axes motion controllers			
			
Model	MCs	NCs	MP2000
	CS1 solution for advanced motion control	Point-to-point positioning controller	High performance motion controller for a wide array of applications
Axes control method	Analogue output	Pulse train output	MECHATROLINK-II motion bus, analogue output, and pulse-train
Number of axes	4	1, 2, 4	up to 256
Applicable servo drive	Sigma II	SmartStep, Sigma II	Sigma-II
Application	Advanced motion, e-cam, ELS, phase shift, registration	Point-to-point applications	Advanced motion, e-cam, ELS, phase shift, registration
Servo control mode	Close loop position and speed	Open loop position with linear interpolation	Position, speed and torque
PLC series	CS1	CJ1 and CS1 PLCs	Stand-alone and PC-based controllers
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Servo-based motion controllers			
			
Model	JUSP-NS300	JUSP-NS500	JUSP-NS600
	Position controller over DeviceNet	Position controller over PROFIBUS-DP	Position controller over serial link
Axes control method	Direct connection to servo drive	Direct connection to servo drive	Direct connection to servo drive
Connectivity	DeviceNet	PRIFIBUS	RS-485/RS-422
Digital I/O	Uses the servo I/O and adds 2 additional DO and 1 DI	Uses the servo I/O and adds 2 additional DO and 1 DI	Uses the servo I/O and adds 8 additional DI and 6 DO
Application	Point-to-point with registration capability	Poin- to-point with registration capability	Point-to-point with registration capability
Servo control mode	Position, speed	Position, speed	Position, speed
Applicable servo drive	Sigma-II	Sigma-II	Sigma-II
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