

Роботы Delta

КАРТА ЗАКАЗА

Заполненный опросный лист необходимо направить по электронной почте orm@nt-rt.ru

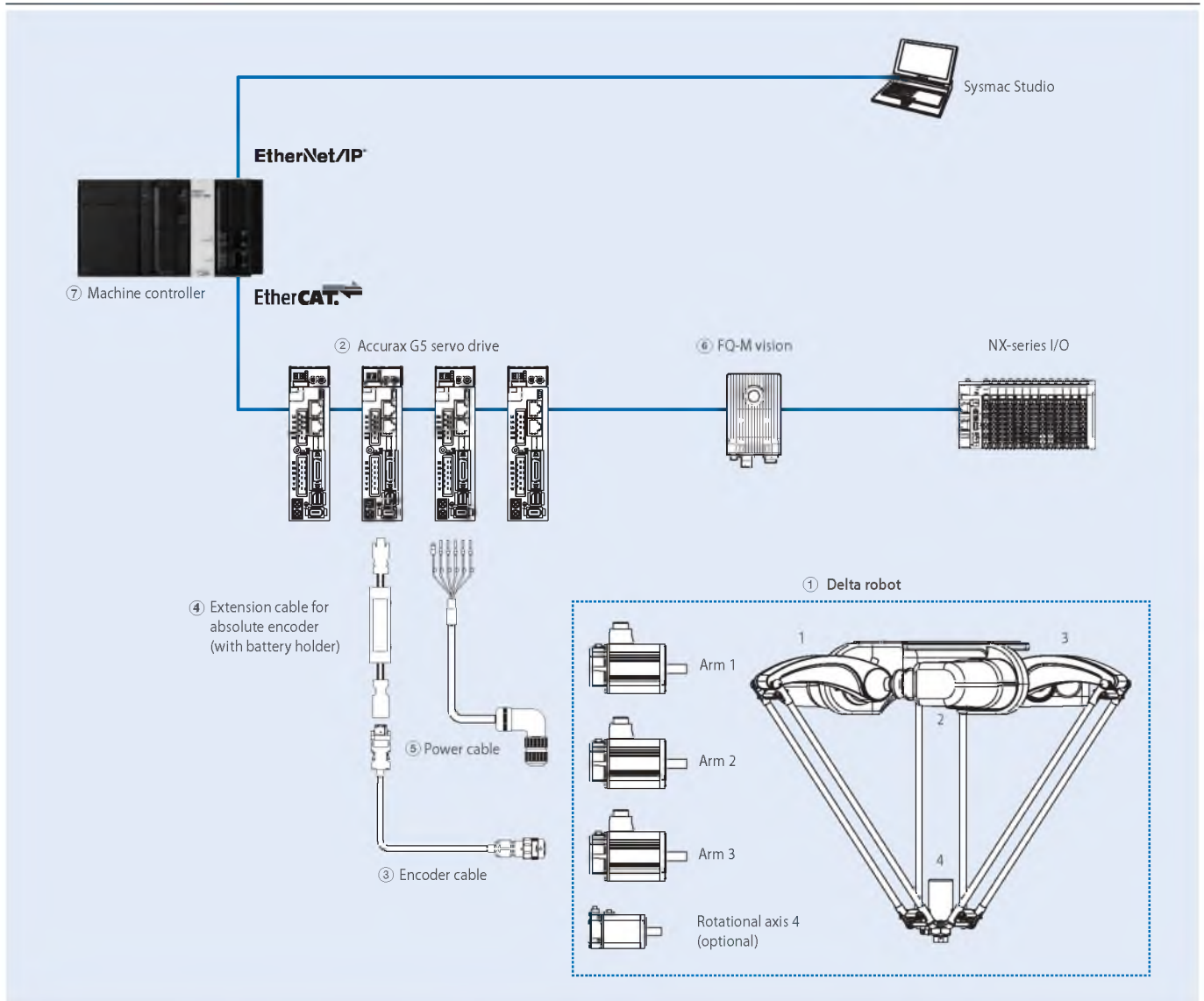
Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78



Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93



Ordering information








Note: Servo motors included in the Delta robot.

Washdown Delta robot series



Symbol	Model	Cable length	Max. payload	Working range	Description	Axis	② Applicable servo drive
 <p>Delta robot IP69K</p>	CR_UGD4_R_HD3	3 m	2 kg	Ø 1,100 x 250 mm (Max. 400)	3 + 1 axes Hygienic Design (only this robot includes the cables)	Arm 1	R88D-KN15H-ECT
	CR_UGD4_R_HD5	5 m				Arm 2	R88D-KN15H-ECT
	CR_UGD4_R_HD10	10 m				Arm 3	R88D-KN15H-ECT
	CR_UGD4_R_HD15	15 m				Rotational 4	R88D-KN08H-ECT
	CR_UGD4_R_HD20	20 m					
	CR_UGD4_NR_HD3	3 m					
 <p>Delta robot IP67</p>	R6Y31110H03067NJ5	3 m	3 kg	Ø 1,100 x 300 mm (Max. 450)	3 + 1 axes (high inertia rotational axis)	Arm 1	R88D-KN15H-ECT
	R6Y31110L03067NJ5					Arm 2	R88D-KN15H-ECT
						Arm 3	R88D-KN15H-ECT
		Rotational 4				R88D-KN01H-ECT	
	R6Y30110S03067NJ5	3 m			3 + 1 axes (low inertia rotational axis)	Arm 1	R88D-KN15H-ECT
						Arm 2	R88D-KN15H-ECT
						Arm 3	R88D-KN15H-ECT
		5 m			3 axes	Rotational 4	R88D-KN01H-ECT
						Arm 1	R88D-KN15H-ECT
	Arm 2	R88D-KN15H-ECT					
	Arm 3	R88D-KN15H-ECT					

Symbol	Model	Cable length	Max. payload	Working range	Description	Axis	② Applicable servo drive
①  Mini Delta robot IP67	R6Y31065H02067NJ5		2 kg	∅ 650 x 150 mm (Max. 250)	3 + 1 axes (high inertia rotational axis)	Arm 1	R88D-KN04H-ECT
						Arm 2	R88D-KN04H-ECT
					Arm 3	R88D-KN04H-ECT	
	R6Y31065L02067NJ5				3 + 1 axes (low inertia rotational axis)	Rotational 4	R88D-KN01H-ECT
						Arm 1	R88D-KN04H-ECT
						Arm 2	R88D-KN04H-ECT
						Arm 3	R88D-KN04H-ECT
						Rotational 4	R88D-KN01H-ECT
	R6Y30065S02067NJ5				3 axes	Arm 1	R88D-KN04H-ECT
						Arm 2	R88D-KN04H-ECT
						Arm 3	R88D-KN04H-ECT
①  Mini Delta robot IP65	CR_UGD4MINI_R_TS		1 kg	∅ 500 x 130 mm (Max. 175)	3 + 1 axes	Arm 1	R88D-KN04H-ECT
						Arm 2	R88D-KN04H-ECT
			Arm 3	R88D-KN04H-ECT			
						Rotational 4	R88D-KN04H-ECT
	CR_UGD4MINI_NR_TS			∅ 500 x 155 mm (Max. 200)	3 axes	Arm 1	R88D-KN04H-ECT
						Arm 2	R88D-KN04H-ECT
						Arm 3	R88D-KN04H-ECT

Delta robot series

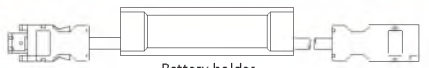

Symbol	Model	Cable length	Max. payload	Working range	Description	Axis	② Applicable servo drive
①  Delta robot XXL (1,600)	CR_UGD4_XXLH_R		8 kg	∅ 1,600 x 350 mm (Max. 550)	3 + 1 axes	Arm 1	R88D-KN30F-ECT
						Arm 2	R88D-KN30F-ECT
						Arm 3	R88D-KN30F-ECT
						Rotational 4	R88D-KN15F-ECT
	CR_UGD4_XXLH_NR				3 axes	Arm 1	R88D-KN30F-ECT
						Arm 2	R88D-KN30F-ECT
						Arm 3	R88D-KN30F-ECT
①  Delta robot XXL (1,300)	CR_UGD4_XXL1300H_R		8 kg	∅ 1,300 x 300 mm (Max. 450)	3 + 1 axes	Arm 1	R88D-KN30F-ECT
						Arm 2	R88D-KN30F-ECT
						Arm 3	R88D-KN30F-ECT
						Rotational 4	R88D-KN15F-ECT
	CR_UGD4_XXL1300H_NR				3 axes	Arm 1	R88D-KN30F-ECT
						Arm 2	R88D-KN30F-ECT
						Arm 3	R88D-KN30F-ECT
①  Delta robot XL	CR_UGD4_XL_R		2 kg	∅ 1,300 x 250 mm (Max. 400)	3 + 1 axes	Arm 1	R88D-KN15H-ECT
						Arm 2	R88D-KN15H-ECT
						Arm 3	R88D-KN15H-ECT
						Rotational 4	R88D-KN15H-ECT
	CR_UGD4_XL_NR				3 axes	Arm 1	R88D-KN15H-ECT
						Arm 2	R88D-KN15H-ECT
						Arm 3	R88D-KN15H-ECT
①  Delta robot	CR_UGD4_R		2 kg	∅ 1,100 x 250 mm (Max. 400)	3 + 1 axes	Arm 1	R88D-KN15H-ECT
						Arm 2	R88D-KN15H-ECT
						Arm 3	R88D-KN15H-ECT
						Rotational 4	R88D-KN15H-ECT
	CR_UGD4_NR				3 axes	Arm 1	R88D-KN15H-ECT
						Arm 2	R88D-KN15H-ECT
						Arm 3	R88D-KN15H-ECT
①  Mini Delta robot	CR_UGD4MINI_R		1 kg	∅ 500 x 130 mm (Max. 175)	3 + 1 axes	Arm 1	R88D-KN04H-ECT
						Arm 2	R88D-KN04H-ECT
			Arm 3	R88D-KN04H-ECT			
						Rotational 4	R88D-KN04H-ECT
	CR_UGD4MINI_NR			∅ 500 x 155 mm (Max. 200)	3 axes	Arm 1	R88D-KN04H-ECT
						Arm 2	R88D-KN04H-ECT
						Arm 3	R88D-KN04H-ECT

Encoder cables


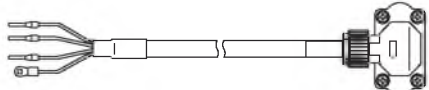

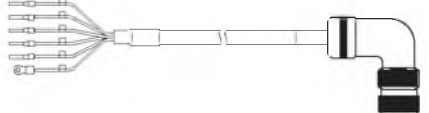

Symbol	Applicable Delta robots	Model	Appearance	
③	CR_UGD4_□_HD□ (Arm 1, 2, 3) ^{*1} R6Y3□110□03067NJ5 CR_UGD4_XXLH CR_UGD4_XXL1300H CR_UGD4_XL CR_UGD4	1.5 m	R88A-CRKC001-5NR-E	
		3 m	R88A-CRKC003NR-E	
		5 m	R88A-CRKC005NR-E	
		10 m	R88A-CRKC010NR-E	
		15 m	R88A-CRKC015NR-E	
		20 m	R88A-CRKC020NR-E	
	CR_UGD4_□_HD□ (Rotational axis 4) ^{*1} R6Y3□065□02067NJ5 CR_UGD4MINI_□_TS CR_UGD4MINI	1.5 m	R88A-CRKA001-5CR-E	
		3 m	R88A-CRKA003CR-E	
		5 m	R88A-CRKA005CR-E	
		10 m	R88A-CRKA010CR-E	
		15 m	R88A-CRKA015CR-E	
		20 m	R88A-CRKA020CR-E	

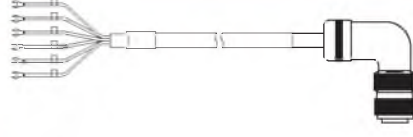
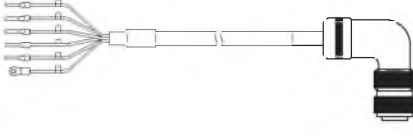
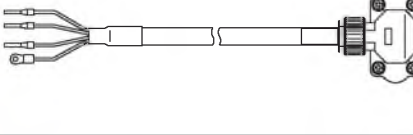
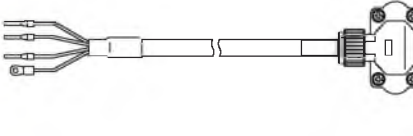
*1 The CR_UGD4_□_HD□ models include the encoder cables.

Absolute encoder battery cable (encoder extension cable only)

Symbol	Specifications	Model	Appearance		
④	Absolute encoder battery cable	Battery not included	0.3 m	R88A-CRGD0R3C-E	 Battery holder
		Battery included	0.3 m	R88A-CRGD0R3C-BS-E	
	Absolute encoder backup battery	2,000 mA, 3.6 V	-	R88A-BAT01G	

Power and brake cables

Symbol	Applicable Delta robots	Model	Appearance			
⑤	CR_UGD4_□_HD□ ^{*1}	Arm 1, 2, 3	Power cable with brake	1.5 m	R88A-CAGB001-5BR-E	
				3 m	R88A-CAGB003BR-E	
				5 m	R88A-CAGB005BR-E	
				10 m	R88A-CAGB010BR-E	
				15 m	R88A-CAGB015BR-E	
				20 m	R88A-CAGB020BR-E	
		Rotational axis 4	Power cable without brake	1.5 m	R88A-CAKA001-5SR-E	
				3 m	R88A-CAKA003SR-E	
				5 m	R88A-CAKA005SR-E	
				10 m	R88A-CAKA010SR-E	
				15 m	R88A-CAKA015SR-E	
				20 m	R88A-CAKA020SR-E	
	Rotational axis 4	Brake cable	1.5 m	R88A-CAKA001-5BR-E		
			3 m	R88A-CAKA003BR-E		
			5 m	R88A-CAKA005BR-E		
			10 m	R88A-CAKA010BR-E		
			15 m	R88A-CAKA015BR-E		
			20 m	R88A-CAKA020BR-E		
	R6Y3□110□03067NJ5	Arm 1, 2, 3	Power cable with brake	1.5 m	R88A-CAGB001-5BR-E	
				3 m	R88A-CAGB003BR-E	
				5 m	R88A-CAGB005BR-E	
				10 m	R88A-CAGB010BR-E	
				15 m	R88A-CAGB015BR-E	
				20 m	R88A-CAGB020BR-E	
Rotational axis 4		Power cable without brake	1.5 m	R88A-CAGB001-5SR-E		
			3 m	R88A-CAGB003SR-E		
			5 m	R88A-CAGB005SR-E		
			10 m	R88A-CAGB010SR-E		
			15 m	R88A-CAGB015SR-E		
			20 m	R88A-CAGB020SR-E		

Symbol	Applicable Delta robots			Model	Appearance	
⑤	CR_UGD4_XXLH CR_UGD4_XXL1300H	Arm 1, 2, 3	Power cable with brake	1.5 m	R88A-CAGD001-5BR-E	
				3 m	R88A-CAGD003BR-E	
				5 m	R88A-CAGD005BR-E	
				10 m	R88A-CAGD010BR-E	
				15 m	R88A-CAGD015BR-E	
		20 m	R88A-CAGD020BR-E			
		Rotational axis 4	Power cable with brake	1.5 m	R88A-CAKF001-5BR-E	
				3 m	R88A-CAKF003BR-E	
				5 m	R88A-CAKF005BR-E	
				10 m	R88A-CAKF010BR-E	
15 m	R88A-CAKF015BR-E					
20 m	R88A-CAKF020BR-E					
CR_UGD4_XL CR_UGD4	Arm 1, 2, 3 and rotational axis 4	Power cable with brake	1.5 m	R88A-CAGB001-5BR-E		
			3 m	R88A-CAGB003BR-E		
			5 m	R88A-CAGB005BR-E		
			10 m	R88A-CAGB010BR-E		
			15 m	R88A-CAGB015BR-E		
20 m	R88A-CAGB020BR-E					
R6Y3□065□02067NJ5	Arm 1, 2, 3	Power cable without brake	1.5 m	R88A-CAKA001-5SR-E		
			3 m	R88A-CAKA003SR-E		
			5 m	R88A-CAKA005SR-E		
			10 m	R88A-CAKA010SR-E		
			15 m	R88A-CAKA015SR-E		
		20 m	R88A-CAKA020SR-E			
		Rotational axis 4	Power cable without brake	1.5 m		R88A-CAGB001-5SR-E
				3 m		R88A-CAGB003SR-E
				5 m		R88A-CAGB005SR-E
				10 m		R88A-CAGB010SR-E
15 m	R88A-CAGB015SR-E					
20 m	R88A-CAGB020SR-E					
CR_UGD4MINI_□_TS CR_UGD4MINI	Arm 1, 2, 3 and rotational axis 4	Power cable without brake	1.5 m	R88A-CAKA001-5SR-E		
			3 m	R88A-CAKA003SR-E		
			5 m	R88A-CAKA005SR-E		
			10 m	R88A-CAKA010SR-E		
			15 m	R88A-CAKA015SR-E		
		20 m	R88A-CAKA020SR-E			
		Rotational axis 4	Power cable without brake	1.5 m		R88A-CAKA001-5BR-E
				3 m		R88A-CAKA003BR-E
				5 m		R88A-CAKA005BR-E
				10 m		R88A-CAKA010BR-E
15 m	R88A-CAKA015BR-E					
20 m	R88A-CAKA020BR-E					

*1 The CR_UGD4_□_HD□ models include the power and brake cables.

Vision

Name	Type		Model
⑥ FQ-M series	Color	NPN	FQ-MS120-ECT
		PNP	FQ-MS125-ECT
	Monochrome	NPN	FQ-MS120-M-ECT
		PNP	FQ-MS125-M-ECT

Machine controller

Name	Functions	Delta robot control	Axes	Model	
⑦ NJ Robotics	CPU unit	Logic sequence, motion, robotics and database connection	Control of up to 8 Delta robot depending on the number of axes supported by the CPU	16	NJ501-4320
				64	NJ501-4500
				32	NJ501-4400
				16	NJ501-4300
				16	NJ501-4310
	Power supply unit				NJ-PA3001 (220 VAC) NJ-PD3001 (24 VDC)

Accessories

Name	Applicable Delta robots	Specifications	Model
Anti-collision detection option	R6Y3□110□03067NJ5	Connectors mounted between the TCP flange and the arms	R6YACAD01

Computer software

Specifications	Model
Sysmac Studio version 1.03 or higher	SYSMAC-SE2□□□

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.