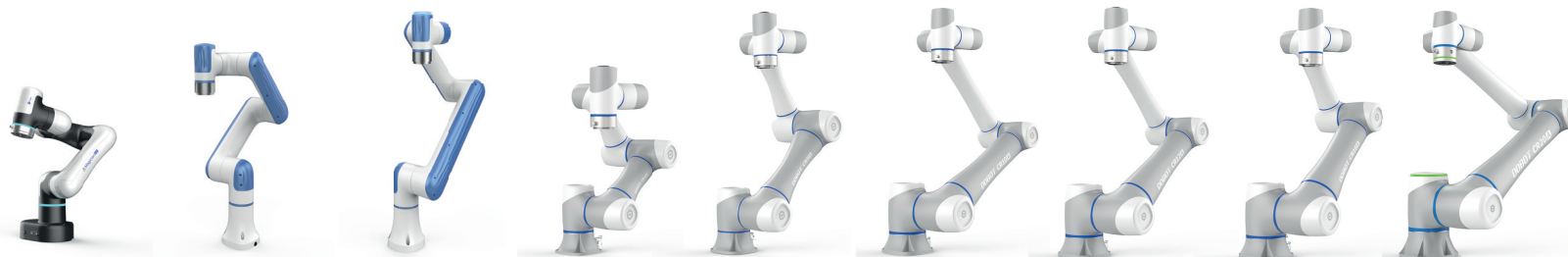


Rapid distributes the full Dobot 6-axis robotic arm range for education, research and industrial automation. The Magician E6 and Nova offer compact, easy-to-deploy platforms for skills development and light tasks. The CRA series adds higher payload, speed and high levels of repeatability, with DC variants enabling advanced automation and AMR integration. Select models include SafeSkin for enhanced human-robot collaboration and IP68 options for harsh environments. All models are supported by intuitive programming software, space-saving controllers and integrated safety functions, enabling straightforward deployment.



Model	Magician E6	Nova 2	Nova 5	CR3A	CR5A	CR10A	CR12A	CR16A	CR20A		
Weight (kg)	7.2kg	11kg	14kg	17.5kg	25kg	40kg	38.5kg	38kg	73kg		
Payload	750g	2kg	5kg	3kg	5kg	10kg	12kg	16kg	20kg		
Working Radius	450mm	625mm	850mm	620mm	900mm	1300mm	1200mm	1000mm	1700mm		
Repeatability	±0.1mm	±0.05mm	±0.05mm	±0.02mm	±0.02mm	±0.03mm	±0.03mm	±0.03mm	±0.05mm		
Maximum Speed of TCP	0.5m/s	1.6m/s	2m/s	2m/s	3m/s	4m/s	4m/s	3m/s	2m/s		
Range of Motion	J1	±360°			±360°						
	J2	±135°		±180°		±360°					
	J3	±154°	±156°	±160°	±155°	±160°	±160°	±160°	±160°	±168°	
	J4	±160°			±360°						
	J5	±173°			±360°						
	J6	±360°			±360°						
Maximum Joint Speed	J1					180°/s	180°/s	150°/s	150°/s	150°/s	120°/s
	J2					180°/s	180°/s	150°/s	150°/s	150°/s	120°/s
	J3					223°/s	180°/s	180°/s	180°/s	180°/s	150°/s
	J4	120°/s	135°/s	100°/s	223°/s	223°/s	223°/s	223°/s	223°/s	223°/s	180°/s
	J5					223°/s	223°/s	223°/s	223°/s	223°/s	180°/s
	J6					223°/s	223°/s	223°/s	223°/s	223°/s	180°/s
Input Power	100V ~ 240V AC, 50/60 Hz	-	-	100V ~ 240V AC, 47/63 Hz							
Power Consumption (Typical)	130W	100W	230W	120W	150W	350W	350W	350W	500W		
Communication Interface	LAN	2, for TCP/IP and Modbus TCP communication									
	USB	2, (USB wireless modules, importing and exporting files)									
Tool I/O Interface	DI	2									
	DO	2									
	AI	-	2								
	IO Power	24V 2A									
I/O Interface	DI	16	8 (NPN or PNP)		2	2		2	2	4	
	DO	16	8 (NPN or PNP)		2	2		2	2	4	
	IO Power	24V 2A	24V 2A		24V 3A						
	AI	-	2, (0V to 10V)								
	AO	-	2, (0V to 10V)								
Installation Orientation	Desktop			Any angle							
IP68 version available?					•	•			•		
Pre-collision detection available?				•	•	•					
Ideal for?	Education	Commercial			Industry						