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# Two bioinspired mobile manipulators with rolling locomotion

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motors	DC	Voltage: 12V	Current: 0.7 A	Torque: 5 kg.cm	rpm: 20	Gera ratio: 1:230
Sensor	optical encoder	Resolution: 200 PPR	Supply voltage: 5.0 V	Supply current: 40 mA		
Wireless	IOGEAR Bluetooth serial adapter	Range: 100 m	Rate: 9600Baud	Connection: RS232		
Main board	Crumb128 V5.0		AVR: ATmega128	Connection: USB RS232		
Power supply	battery	NiMH AA	1200mah			

Table. 1