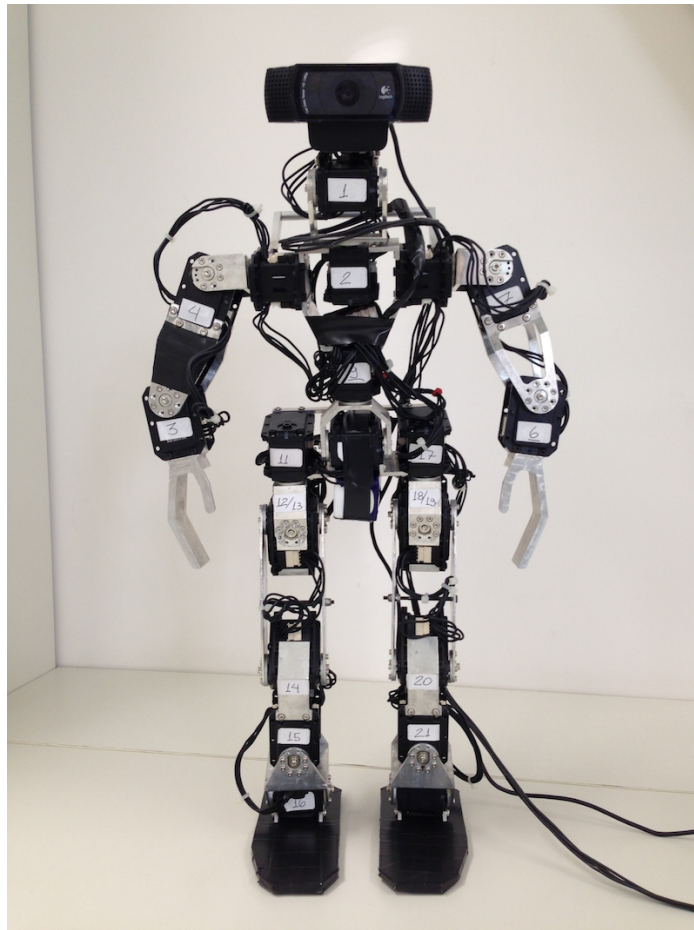
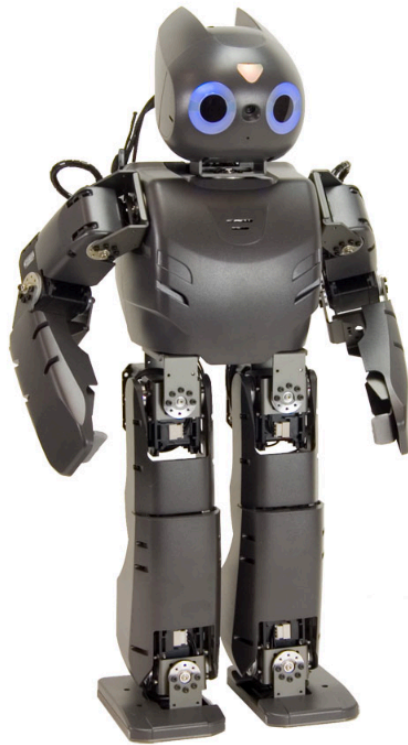


# RoboFEI-HT Robot Specification



The Milton Robot, standing up.

<b>Robot Name</b>	Milton Robot
<b>Height</b>	520 mm
<b>Weight</b>	2.9 Kg
<b>Walking Speed</b>	70 cm/min
<b>Degrees of Freedom</b>	22 in total:
	6 DOF per leg, 3 DOF per arm , 2 DOF on the head,
	2 DOF on the hip
<b>Type of motors</b>	Dynamixel RX-28
<b>Sensors</b>	UM6 Ultra-Miniature Orientation Sensor
<b>Camera</b>	Logitech HD Pro Webcam C920 (Full HD – 1920x1080)
<b>Computing Unit</b>	fitPC2i
	Intel Atom Z530 1.6Ghz, 1GB DDR2 SDRAM, 8GB SDD
	WLAN – 802.11b/g/n, 2 x gigabit Ethernet
<b>Operating System</b>	Linux Ubuntu 12.04
<b>Battery</b>	Lipo



Note: Our Darwin-OP robot is currently being built. The picture above is from <http://www.trossenrobotics.com/p/darwin-OP-Deluxe-humanoid-robot.aspx>

<b>Robot Name</b>	Darwin-OP
<b>Height</b>	45 mm
<b>Weight</b>	2.9 Kg
<b>Walking Speed</b>	70 cm/min
<b>Degrees of Freedom</b>	20 in total:
	6 DOF per leg, 3 DOF per arm , 2 DOF on the head,
<b>Type of motors</b>	Dynamixel RX-28
<b>Sensors</b>	UM6 Ultra-Miniature Orientation Sensor
<b>Camera</b>	Logitech HD Pro Webcam C920 (Full HD – 1920x1080)
<b>Computing Unit</b>	fitPC2i
	Intel Atom Z530 1.6Ghz, 1GB DDR2 SDRAM, 8GB SDD
	WLAN – 802.11b/g/n, 2 x gigabit Ethernet
<b>Operating System</b>	Linux Ubuntu 12.04
<b>Battery</b>	Lipo