

Falconbots Robot Specifications

Robocup 2018 Kid Size

I.S.C. Julio Cesar Juárez Martínez, Alberto Adán Sánchez Morales, Alejandro Vázquez García, Luis Angel Ramirez Reyes, Jorge Francisco Sánchez and Adolfo Altamirano Ortega.

Programa de Robótica y Mecánica del ITSSMT (PROMETEC)

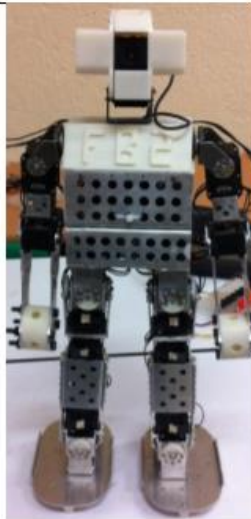
Technological Institute of San Martin Texmelucan

Camino a la barranca de pesos S/N, 74120 San Martin Texmelucan, Puebla, México

<http://www.itssmt.edu.mx/Estudiant/ROBOTICA/PARP.html>

Falconbot TWO

Height	55cm	
Weight	3.2 kg	
Walking Speed	32 cm/s	
DOF per LEG	6	Dynamixel MX106, Dynamixel MX64 and Dynamixel MX28
DOF per ARM	3	Dynamixel MX28
Neck	2	Dynamixel MX28
Sensor	IMU 9DOF	Accel, Gyro and Compass
Computer Unit	Main Controller	Intel NUC, core i5 8GB RAM
Computer Unit	Sub Controller	ARM CortexSTM32F4 Discovery



1.- Develop by ITSSMT PROMETEC

Falconbot Heavy

Height	80 cm	
Weight	4.2 kg	
Walking Speed	20 cm/s	
DOF per LEG	6	Dynamixel MX106, Dynamixel MX64 and Dynamixel MX28
DOF per ARM	3	Dynamixel MX28
Neck	2	Dynamixel MX28
Sensor	IMU 9DOF	Accel, Gyro and Compass
Computer Unit	Main Controller	Intel NUC, core i5 8GB RAM
Computer Unit	Sub Controller	MicroChip PIC 18F2550



2.- Develop by ITSSMT PROMETEC