



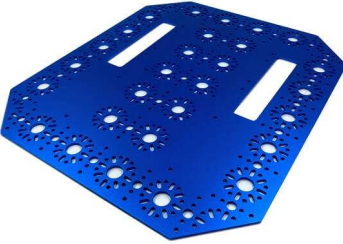







# STEM BOT Pro Kit

3D CAD files for all parts are available at [www.studica.com/studica-robotics-resources](http://www.studica.com/studica-robotics-resources)

Name	Part #	Qty	Image
<b>Electronics &amp; Accessories</b>			
12V 3,000 mAh NiMH Battery Pack, PP45	<a href="#">70018</a>	1	
NiMH Battery Pack Charger – PP45	<a href="#">70019</a>	1	
Titan Quad Motor Controller	<a href="#">70152</a>	1	
Titan Cable Pack	<a href="#">70162</a>	1	
VMX Robotics Controller	<a href="#">70176</a>	1	

Maverick 12V DC Gear Motor w/Encoder	<a href="#">75001</a>	2	
<b>U-Channel</b>			
432mm U-Channel	<a href="#">76010</a>	2	
192mm U-Channel	<a href="#">76015</a>	2	
<b>Flat Brackets</b>			
288mm x 40mm Flat Bracket (2 pack)	<a href="#">76061-2</a>	1	
Robot Base Plate	<a href="#">74001</a>	2	

Extrusions			
96mm T-Slot Extrusion	<a href="#">76127</a>		
Irregular Brackets			
Battery Clip (2 pack)	<a href="#">76088-2</a>	1	
Mounting Plates			
Motor Mount Plate	<a href="#">76140</a>	2	
End Piece Plate (2 pack)	<a href="#">76143-2</a>	2	
Axles			
6mm x 96mm D-Shaft	<a href="#">76161-6</a>	1	
Standoffs			
25mm Male to Female Standoff	<a href="#">76184-12</a>	1	

Screws and Nuts			
M3 x 10mm Socket Head Cap Screw	<a href="#">76201-100</a>	1	
M3 x 12mm Socket Head Cap Screw	<a href="#">76202-100</a>	1	
M3 x 10mm Button Head Cap Screw	<a href="#">76203-50</a>	1	
M3 x 30mm Socket Head Cap Screw	<a href="#">76206-50</a>	1	
M3 Kep Nut (100 pack)	<a href="#">76204-100</a>	1	
Gears			
30 Tooth Bevel Gear	<a href="#">76219-2</a>	2	

Wheels			
100mm Omni Wheel	<a href="#">76260</a>	2	
100mm Drive Wheel	<a href="#">76262</a>	2	
Bushings, Bearings, Collars, & Spacers			
Clamping Shaft Hub-v2	<a href="#">76280</a>	4	
Collar Clamp	<a href="#">76320</a>	4	
14mm Flange Bearing	<a href="#">76302-12</a>	1	
Shaft Spacer 1mm, Nylon (24 pack)	<a href="#">76305-24</a>	1	

Shaft Spacer 5mm, Nylon (12 pack)	<a href="#">76307-12</a>	1	
Rubber Grommet	<a href="#">76504-10</a>	1	
U-Channel Bumper (4 pack)	<a href="#">76505-4</a>	1	