


1. Understanding Motor Sizing and Selection 1:35

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- Presentation Overview:
 - Understanding Applications & Customer
 - Understanding Motion Profiles (velocity vs. time)
 - Calculating **Speed** and Acceleration
 - Calculating **Peak Torque** and System Inertia
 - Understanding Motor Torque vs. Speed Curves
 - Calculating **Continuous Torque**
 - Motor Selection



<https://www.youtube.com/watch?v=dbWWWF72Whs&app=desktop>


2. Servo Motor Sizing and Selection for Robotic Applications

1:10

Sizing and Selection for Robotic Applications

Example System

- Autonomous Warehouse Fork Lift For Picking Up Pallets and Transporting Them



TOTAL WEIGHT (ROBOT AND LOAD)= 418 pounds → 190 kg mass

<https://www.youtube.com/watch?v=VJFDU31LQGM&app=desktop>

How To Build a Robot

Tips for building robot and speed calculator.

<http://www.superdroidrobots.com/shop/custom.aspx/how-to-build-a-robot/70/>