



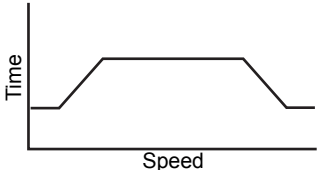
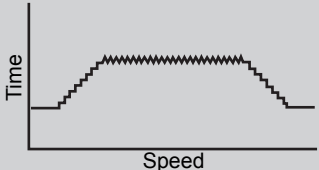

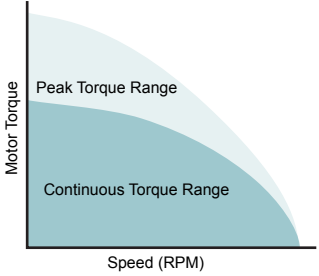
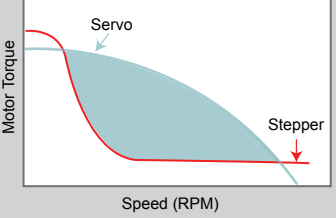

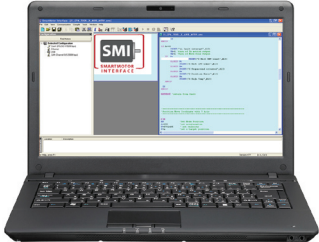
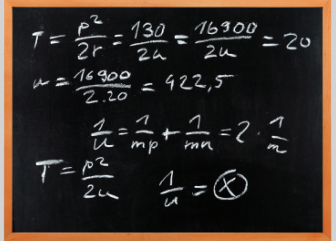

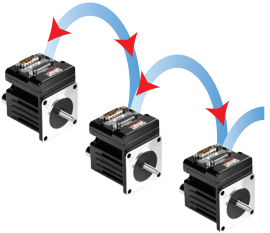


Animatics SmartMotor™ Compared to the Competition



Animatics' Integrated Servo Motor Solution		Competitor's Integrated Stepper Motor Offering	
<p>True dynamically closed loop motion control based on motor commutation. </p>		<p>Typically open-loop non-continuous position feedback. Only position correction at end of loop.</p>	
<p>Smoother operation throughout entire torque curve because of continuous commutation. </p>		<p>"Micro-Steppers" accuracy improvements are limited. Smoothness is still less compared to a servo. Often problems with resonance are experienced.</p>	
<p>Broader Torque Curve --- High dynamic response capabilities which greatly improves cycle times</p> <p>In addition to broader continuous torque, peak torque shifts are possible </p>		<p>Torque degradation at higher speeds causing increased cycle times and higher production costs</p> <p>No ability for peak torque shifts. What you are operating at is what you get.</p>	
<p>Extensive programming capabilities i.e. more pre-set positions, electronic CAM table, and software based interrupts. </p>		<p>Limited programming capabilities; typically preset definitions only.</p>	
<p>Can operate as "master" (controlling other motors) OR "slave" in multi-axis applications. </p>		<p>Only able to operate as "slave" (accepting commands).</p>	