

# phytron Stepper Motor Technology + Customising



Motors & Actuators



 <p><b>VSS</b> Vacuum Stepper Motors Ø19 to 125 mm</p>	 <p><b>VSS-UHV (Cryo)</b> Cryo Stepper Motors Ø19 to 125 mm</p>	 <p><b>phySPACE</b> Space Stepper Motors Ø20 to 57 mm</p>
 <p><b>phyBASIC</b> Standard Stepper Motors NEMA 8 to 34</p>	 <p><b>ZSS</b> IP 40 Stepper Motors Ø19 to 56 mm</p>	 <p><b>ZSH</b> IP 68 Stepper Motors Ø57 to 107 mm</p>

**CUSTOMISED SOLUTIONS**



**Pusher IP67**  
Customised  
IP 67 sealed Linear Drive  
50 x 50 x 175 mm



Drivers & Controllers



<p><b>Controllers</b></p>  <p><b>phyMOTION™</b> Stepper Motor Controller Fieldbus, I/Os, Power Stages, optional Android Touch Interface</p>	 <p><b>MCC-1/ MCC-2</b> Compact Controller 1 or 2 integrated Power Stages, I/O, Encoder, ...</p>	<p><b>Driver</b></p>  <p><b>1-Step-Drive</b> High Precision Stepper Motor Drive Indexer &amp; 5 A, 48 V Power Stage 1/512 Step for the SIMATIC ET 200® S</p>
<p><b>Power Stages</b></p>  <p><b>MCD+</b> Compact Power Stage 9 A, 70 V with ServiceBus up to 1/512 Step</p>	 <p><b>ZMX+/ MSX+</b> 19" Power Stages 70-120 V, with 5 / 9 / 15 A, up to 1/512 Step</p>	 <p><b>APS</b> Power Stage Module 5 A, 24 to 70 V 1/512 Step, also for Arduino</p>

**CUSTOMISED SOLUTIONS**






**Driver IP67**  
Customised  
IP 67 sealed, 8-Axes Controller  
Box with Switching Power Supply



Mechanics & Equipment



 <p><b>Gears</b> Different Gears for Stepper Motors</p>	 <p><b>Spindles</b> Stepper Motors with Spindles</p>	 <p><b>DMP</b> Inertial Damper for Stepper Motors</p>
<p><b>phyLOGIC™ToolBox</b> Software for Stepper Motor Controller</p>	<p><b>EPICS / Labview Driver</b> Communication Interface</p>	<p><b>phyLOGIC CONTROL + Apps</b> Android-based Touch Interface</p>

**CUSTOMISED SOLUTIONS**



**Parts**  
Titan Parts to Customer Specification



Interfaces & Programming



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**phytron**

Extreme. Precision. Positioning.