

# Holjeron MotorWorx™

## Custom Motors and Controls for OEMs

Holjeron announced this year the introduction of its **MotorWorx™** brand of customized DC motors and controls for Original Equipment Manufacturers. Our strength is engineering custom solutions for difficult control applications for machine builders, material handling systems, and vehicles. Holjeron excels where the application is extreme in terms of performance, sealing, environmental factors or product geometry. We can create solutions that the large motor and controls companies are not equipped or interested in pursuing.

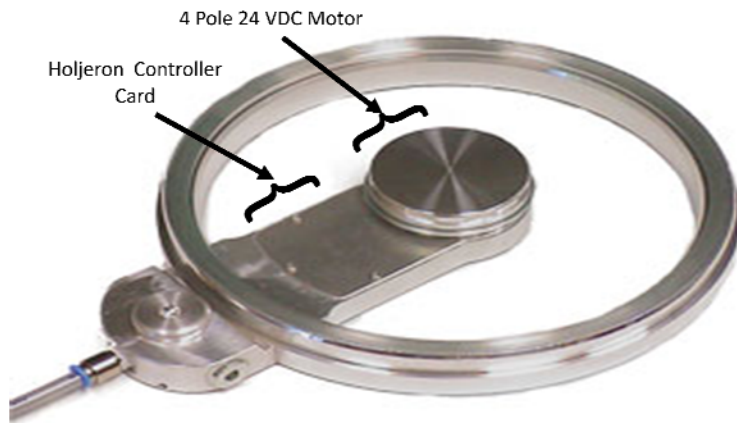
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### CASE 1: Proto Design/T2K

The challenge was to create a very capable motor driver in a very compact space at a very low cost. The solution was a 2" x 2" driver card with constant speed and constant torque through a wide range of loads.



**Spinning window for machine tools. State of the art closed-loop speed and torque control in a compact footprint.**



**Controller Basic Specs:**

**24 VDC, 4 Pole, Hall-based closed-loop,  
Constant speed/constant torque. Approx 2" x 2"  
5 Amp Limit Thermal Overload Protection**

## Case 2: Seattle Sports Sciences, Inc.

Holjeron was approached to help Seattle Sports Sciences, Inc. improve the performance of the Sidekick® soccer ball training machine. In order to optimize training, the launcher must be able to deliver the ball to the same location repeatedly. This requires very precise control of 2 motors to create the correct speed and spin on the ball with accuracy of 1 meter from up to 50 meters away. Holjeron's control algorithms and electronics can deliver this performance. Sidekick systems are used world-wide by the top professional, club and college teams. Features include:

Dynamic and Regenerative Braking – CANopen Communications – Closed Loop Asynchronous Dual Motor Control – Adjustable Speed, Spin, and Trajectory



**by SEATTLE SPORT SCIENCES  
Soccer ball launching machine**

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## Case 3: PHD Linear Actuators and Slides “Your Motor Your Way”

The challenge is to provide custom motors and controls for The MDN Distributor network to couple with PHD's new line of linear actuators and slides under the “Your motor your way” program. Features include Ethernet/IP interface, custom motion profiles, DIN Rail or Panel Mount Options.

