**FOOD CUTTING APPLICATION**

**PRODUCT USED**
HepcoMotion® PDU2, Corrosion Resistant SteadyRail™ Linear Stage, Stainless Steel

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**Ultrasonic Cake Cutter**
High-throughput, high-reliability cutting of frozen cake thanks to PDU2 actuators and SteadyRail™ linear stage

**Application Description**
Two ultrasonic vibration blades are actuated in order to slice frozen cake into a grid when it passes on a conveyor. Each is mounted to an XZ gantry which uses Hepco PDU2 actuators. These belt-driven systems can operate at up to 6 m/s for high-throughput applications and come in a corrosion-resistant variety.

Additionally, a Bishop-Wisecarver SteadyRail™ Linear Stage provides a smooth-running axis for the components that scrape away the excess cake from the edges. Though actuated independently, both scrapers are attached to ball bushings on the same SteadyRail™ system. In this particular configuration, the round rails of the linear stage are made of stainless steel and supported at each end across the 3 ft conveyor span.

**Why Bishop-Wisecarver**
• PDU2 actuation speeds up to 6 m/s
• SteadyRail™ provides out-of-the-box solution
• Stainless steel and corrosion-resistant options available
• Smooth guided motion
• Versatile components