DRIVE SOLUTIONS FOR MASH TUN AND LAUTER TUN

CASE STUDY: OCTOPI

Lauter Tun
loosening and separating.

Mash Tun
mixing and agitating.

Reliable drive solutions in the beverage industry.

Helical-bevel geared motor
excellent efficiency and service life.

Parallel shaft geared motor
extra-robust UNICASE housing.
**APPLICATION SOLUTION**

A compact, flange-mount NORD UNICASE parallel shaft geared motor keeps the agitator in the mash tun in motion. Since it features a robust one-piece cast-iron housing, this gear unit has no sealing that could be worn down by axial and radial loads. An original in-house NORD development, the extremely sturdy UNICASE design ensures the gear retains its full, superior strength throughout a long lifetime.

Modular construction for high flexibility. – The rake in the lauter tun is actuated by a highly efficient NORD UNICASE helical-bevel geared motor. This right-angle unit also features a sleek, one-piece housing. Like all NORD gears, it is based on a fully modular design that enables users to select precisely adapted drive systems for their applications. The two different NORD gears are each combined with a 3.7 kW motor.

Comprehensive drive solutions. – For the beverage industry, NORD has developed a range of drive products to address the full scope of production needs, covering all tasks from pumping, mixing and agitating, to air conditioning and ventilating, to moving and positioning, to dosing, filling, packing, conveying and storing. Above and beyond the workhorse products used by Octopi Brewing Co., these sector-specific offerings notably include powerful industrial gears with very high torques, smooth-surface motors, electronic drive controllers for distributed topologies, and drive systems with a specially converted aluminum surface that provides exceptionally chemical, corrosion and abrasion resistance.

**FOCUS ON THE PROJECT**

A contract producer of a variety of different beers, the Octopi brewhouse usually processes some 1,000 to 2,000 kg of grain per batch. Determined to find dependable and energy-efficient drives for demanding tasks in the brewing process, the company has selected

- a NORD parallel shaft geared motor for the mash tun agitator,
- a NORD helical-bevel geared motor for the lauter tun rake.

**FOCUS ON THE CUSTOMER**

Octopi Brewing, the leading contract brewery in the Midwestern United States, recently opened a brand-new 1,700 m² brewhouse. With state-of-the-art equipment and skilled staff, Octopi Brewing is not only involved in the brewing process, they also provide comprehensive consulting and strategy development on how to succeed in the craft brewing world. The company’s expertise covers marketing, design, distribution, accounting, brewing and working commercially.

“Of all the equipment we have, it’s the best. It’s reliable. It’s been able to handle everything we’ve thrown at it, and we’ve really pushed the limits.”

ISAAC SHOWAKI, OCTOPI BREWING PRESIDENT

Durable. – A NORD parallel shaft geared motor in a one-piece housing powers the rake in the mash tun.