



Product

Gear Motors & Synchronous Belt Drives

Application

Grain Processing Equipment

Highlights

**Boston Gear
2000 Series Gear Drives**

High torque with ratings in accordance with AGMA standards for long life

**Bauer Gear Motor
BF70 Gear Motors**

Reliable BF Series gearmotors set new standards for reliability, efficiency and economy

**TB Wood's
QT Power Chain II
Synchronous Belt Drives**

Industry-proven, robust, true running, concentric sprocket design

A food processing equipment manufacturer required various power transmission components for use on a series of new cereal grain processing machines. The equipment will run year-round in a wide range of weather conditions. The OEM contacted Altra Industrial Motion to inquire about Boston Gear's reliable 2000 Series right angle helical bevel gear drives.

During the initial meeting with Altra, the customer soon realized that, besides the 2000 Series gear drives, most of the other powertrain components they needed could also be supplied by Altra's brands. Bauer Gear Motor provided the required parallel-shaft gearboxes for the machines. Bauer BF70 gear motors were selected as a more robust replacement for competitive units the OEM had used on previous equipment. The IP66-rated BF70 units feature a completely sealed enclosure and a NEMA C-face coupling. Bauer engineers worked closely with the customer to modify the BF gear motors to meet the specific application requirements including special consideration for sealing the output shaft, a custom shaft size and a specific food-grade lubricant.

TB Wood's supplied QT Power Chain II synchronous belt drive sprockets and bushings in various sizes. The positive engagement synchronous drives require no tension adjustment which saves wear on belts and sheaves.

The OEM was very appreciative of the convenient "one-stop" shopping ability that Altra offered as well as the individual technical and application support that each of the brands provided.

Contact Boston

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