

Auger Safety on the Farm Infographic

The Role of Grain Augers in the Agricultural Industry

Screw conveyors—also referred to as spiral conveyors, auger conveyors, or augers—are conveyance systems that consist of a rotating helical screw within a trough or tube. They are suitable for transporting a wide variety of bulk dry or wet materials, such as rocks, powders, and grains, on horizontal or inclined pathways. This quality makes them an effective conveyance solution for many industries.

Below, we highlight the role of screw conveyors in the agricultural industry. We discuss what grain augers are and how they work.

What Is a Grain Auger?

A grain auger is a screw conveyor designed to handle agricultural grain products. It is used to deposit grain into a bin or silo for storage purposes as well as retrieve grain from a bin or silo for further processing or distribution. Agricultural professionals use it to facilitate various grain harvesting and transportation operations.

How Does a Grain Auger Work?

Similar to other screw conveyors, grain augers are made up of a rotating helical screw component—known as flighting—contained within a trough or tube. A drive motor connected to the system turns the screw, which picks up and moves any material fed through the inlet to the discharge end. Depending on the configuration of the system, the material can be moved horizontally or diagonally to accommodate different material handling operations.

Source: <https://www.reinkeandschomann.com>