

Trantec are a leading suppliers of auger spares to the Bulk Solids Industry. From Powder Dosing Systems to Metering Screw Feeders to Filling Machines, Trantec have supplied an array of replacement auger screws and ancillary parts since 1997. Trantec particularly specialise in full flight augers, manufacturing these screws to very high precision at sensible prices.



Not all metering feeder manufacturers use a full flight screw with some suppliers opting for the simpler spiral spring type augers. To ensure Trantec cover the full range of replacement spares, a development program was established to manufacture spring type augers at their Clayton Le Moors production facility.

Augers of this type are usually formed by winding a wire form onto a mandrel. The wire can be square, round or rectangular and of stainless or carbon steel. The bar or wire stock must be accurately moved as the mandrel rotates to form the correct pitch of the helix. Trantec modified existing machinery to accomplish this task with accuracy and consistency being at the forefront of the process. Stock in-feed can have a significant effect on how the spiral is formed and careful consideration was given to the wire guide method. The angle of application, tension, speed of application and distance between the mandrel and the in-feed guide all play a part in the quality of the spiral produced.

Spring type Bulk Solids feed screws come in many shapes and sizes. All too often the wire form can be difficult to obtain, especially if only one auger screw is required. There are many established companies who can manufacture whatever wire form is needed but their minimum order quantities can be hundreds of kilos making one-off spirals prohibitively expensive. Trantec have added to their development program by including the manufacture of custom bar and wire forms by cold drawing. This well-established method of manufacture has many advantages and will allow very small quantities of custom wire shapes to be produced. Easily obtainable standard bar can be formed into custom shapes and sizes before being rolled into a helix.

The key element of Trantec's manufacture remains their ability to produce tooling in-house using the latest CAD/CAM software and advanced computer guided machine tools. Custom draw tooling and custom forming mandrels can be manufactured quickly and cost effectively, allowing small quantity production runs. Larger quantities offer the economies of scale and make the process even easier on your budget.

For further information please visit www.trantec.info or call 01282 777566.