Calculating CFR Number for Spinner Spreaders

This document will describe how to calculate the Cubic Foot per Revolution (CFR) number for spinner spreader DirectCommand operation. We can calculate the CFR number to get a customer close to the actual calibration.

Note: This equation should be used for first time calculation only.

$$\left(\frac{(\text{Beltwidth}) * (1" \text{ FGO}) * \frac{\text{Distance}}{\text{Rev}}}{1728} \right)$$

- Belt width in inches
- FGO (feed gate opening), in inches
- Distance/Rev in Inches (Distance the belt moves for revolution of the shaft)
- 1728=1728 cubic inches/cubic ft (Constant)

Important: We will always use 1 in. as the feed gate opening because the InSight will adjust according to the actual setting that they have under the spreader control button on the run screen.

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