PREMIER TECH

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RETROFIT • E55G-Servo Motor

Gravity Feeder Servo Motor

Improve speed and accuracy of your weighing system

The new design of the gravity feeder on the three loadcell E55 net weighing system now uses a gravity feeder controlled by a servo motor instead of a conventional pneumatic air cylinder.

Retrofit Main Benefits:

- ✓ Better accuracy
- ✓ Faster speeds
- ✓ Reduced maintenance

Servo Motor Upgrade

Better Accuracy

The servo motor-controlled gravity feeder can be programmed to adjust the feeder gate in very fine increments, which enables more accurate material delivery. The servo motor can maintain highly consistent speeds and position, resulting in better weighing accuracy and fewer fluctuations in the flow rate.

Faster Speeds

Servo motors are known for their **high responsiveness** and **speed**. They can reach the desired position almost instantly, enabling faster opening and closing of the gravity feeder gate. This results in quicker material dispensing and faster cycle times, leading to **improved overall process speed**.

Reduced Maintenance

Pneumatic cylinders are subject to wear from continuous air pressure cycling, whereas servo motors have fewer moving parts in contact with the material, making their performance less susceptible to environmental factors like dust, moisture, or air quality. Less frequent maintenance means reduced downtime and lower costs related to spare parts, labor, and air system maintenance.