

Spee-Dee®

DIGITRONIC SERVO 3000



Spee-Dee offers advantages over the competition

DIRECT AUGER DRIVE

VARIABLE SPEED AGITATOR

STATE OF THE ART CONTROL PACKAGES

IMPROVED ACCURACY

VIRTUALLY NO MAINTENANCE

Introducing the Spee-Dee SERVO 3000 Digitronic Auger. This new auger combines the industry leading control package with the torque and speed of a servo motor. The SERVO 3000 is designed to handle the higher speeds required today when working in conjunction with vertical or horizontal form, fill, seal machines. Speeds of

120 fills /minute are achievable depending on the product, fill size, and integrated equipment. The SERVO 3000 offers the proven direct drive auger system. The direct drive removes the thirty wear parts associated with clutch/brake systems, therefore eliminating the need for daily calibration, costly down time, and expensive replacement parts.

Specifications

Standard Equipment

Digital Servo drive motor.
Variable speed, variable acceleration/deceleration.
Direct drive auger.
1 HP variable speed agitator motor.
16 gallon hopper, #304 stainless steel.
Bayonet tooling adapter.
22" dust tight hopper cover with 7" infeed duct.
4-1/2" diameter aluminum column with floor base.
NEMA 12 electrical enclosure.
Contact parts # 304 stainless finished to a 180 grit finish.

Options

Hopper: 4 gallon.
10 gallon.
Gas purge.
Quick disconnect hopper cover.

Hopper Level Control

Bases: Adjustable height column.
Collar for vertical, form, fill, seal.

Other Available Options:

Check weigh feedback.
Statistics package.
Dust control.
Knife cut off valve.
Foot switch.
Remote mounted controls.
Foreign language controls.

Specifications

Drive motor peak torque:	270 in lb.
Drive motor continuous torque:	90 in lb.
Auger speed:	Up to 2000 RPM.
Agitator speed:	6 to 40 RPM.
Electrical:	120v, 1 Ph, 60 Hz.

System Options

Stand alone.
Net weigh filling; platform scale or bag clamp.
Automatic conveyor systems:
Container lift.
Container vibration.
Net weigh.
Multiple filler systems.

Control Packages

Computer Control 1

Four line vacuum fluorescent display.
4x4 matrix sealed keypad.
Up/down arrows for selection of menu items and adjusting parameters.
On screen counter (up only).
Trial fill for a new product set up.
Product memory to hold 100 products.
Modular enclosure for easy removal.
Upload/download for system backup.
Emergency run from PC program.

Agitator control: "on" runs continuously.
"off" does not run.
"with fill" runs only when auger is operating.
"off after fill" turns agitator off after fill.

Automatic recycle mode:

Used to pace operator.
Delay between fills adjustable to 1/10th second.

Optional features:

Conveyor system: indexing functions
set from menu.
Password protection.

Computer Control 3

Graphic infrared touch screen display coupled to a 486 computer.
Trial fill for a new product set up.
Product memory to hold 100 products.
Modular enclosure for easy removal.
Upload/download for system backup.
Emergency run from PC program.

On screen adjustment of auger functions including:

Revolutions.
Speed.
Acceleration.
On screen counter, up or down.

Agitator control: "on" runs continuously.
"off" does not run.
"with fill" runs only when auger is operating.
"off after fill" turns agitator off after fill.

Automatic recycle mode:

Used to pace operator.
Delay between fills adjusted to 1/10th second.

Optional features:

Conveyor system: indexing functions
set from menu.
Password protection.
Net weigh to control target weight, bulk fill speed,
and dribble speed. In flight compensation will
adjust to changes in product.
Statistics package.