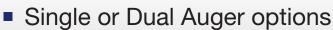


DE-50-AV HORIZONTAL AUGER

 Fast bagger for free-flowing, non-clumping powders & granules







Packaging Equipment / Horizontal Auger Fillers

DE-50-AV Auger

ABOUT THE DE-50 HORIZONTAL AUGER

Weighs bag & contents while being filled.

Production rate: Up to 4 bags per minute.

For filling accuracy the DE-50-AV uses a variable speed drive on the main auger feeder for fast, and slow filling, with the third dribble feed via a vibratory feeder tube.

The filling nozzles have a specially designed inlet housing to prevent product bridging during the filling cycle, and are fitted with pneumatic bag clamps linked to the machine cycle.

■ SUITABLE FOR USE WITH

- Granulated pellets
- Cement
- Adhesives
- Renders
- **Powders**
- Small aggregates
- Flaked products
- Free-flowing foods



DE-50-AV Packer with bag kicker

Fill up to 4 bags per minute

OUR CLIENTS





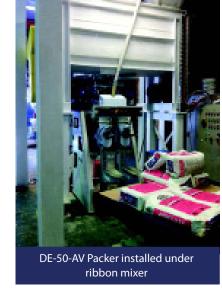












* Fill speed is dependant upon type of product & bag capacity.





DE-50-AV Auger

■ FEATURES & BENEFITS



ACCURACY & PRODUCTIVITY

- * High accuracy patented load cell technology
- » Three stage filling for accurate filled bag weights
- » Speed can be adjustable manually for weight fine-tuning
- » Quick adjustment control to suit bag sizes
- » Operator friendly controls
- » Secure system: operator access levels can be password protected



INTERNATIONAL QUALITY BUILD

- » Manufactured to comply to International & Australian standards
- » Uses quality European component brands such as Festo, Metalwork, Scheider & SMC



DE-50-AV with a Drum & Valve Spout



DURABLE & EASY TO MAINTAIN

- » Choice of powder-coated Mild Steel or selective Stainless Steel
- » Internal & external parts are easy to clean
- » Changeover new products with minimum downtime
- Built with universal industrial components to ensure easy maintenance
- Components kept dust-free: pneumatic & electrical control equipment housed in positive pressure enclosure
- » Structural steel construction



Vibratory Feeders



GROWS WITH YOUR BUSINESS

- » Hands-on training & manuals to help you maximise ROI
- Modular design: interfaces with other filling systems & check weighers
- Future-proof control panel: DE-50-AV control panel can be extended to operate additional machinery or conveyors in the future
- » Higher speed production rate available with our PVPE Air Packer
- » Customisation options available



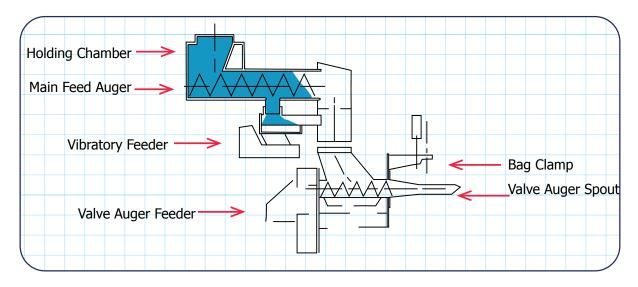




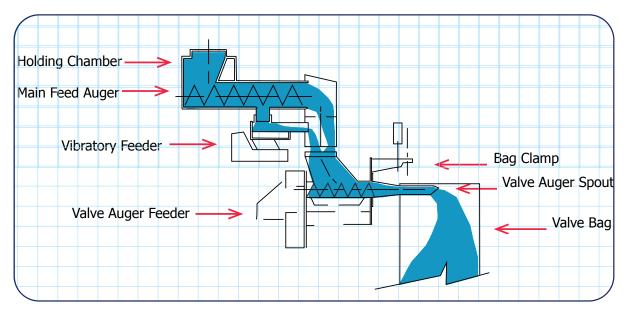
DE-50-AV Auger

■ HOW DOES IT WORK?

- 1. The bagger is fed from an overhead hopper, silo or mixer containing the product to be bagged.
- 2. The packing cycle begins by managing a charge of material from the overhead vessel into the DE-50-AV holding chamber.



3. The filling cycle begins with the placement of bag(s) onto the nozzle. Pressing a foot switch or start button initiates the filling cycle. The main feed auger, vibratory feeder and valve auger feeder turn on simultaneously to activate flood fill.



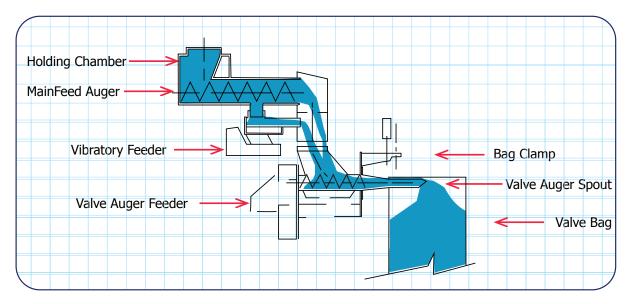




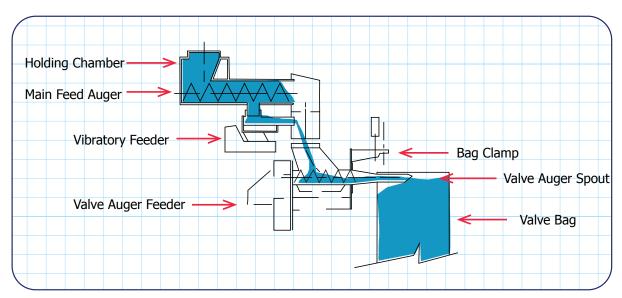
DE-50-AV Auger

■ HOW DOES IT WORK?

4. Once flood-fill-setpoint has been achieved then slow speed filling begins. A variable-frequency drive (VFD) sends a signal to slow down the main feed auger. After filling to a pre-determined weight e.g 98% then main feed auger shuts off.



5. Vibratory feeder and valve auger continue to run together until final setpoint is achieved. Using 3 different speeds of filling, accuracy & speed is achieved.



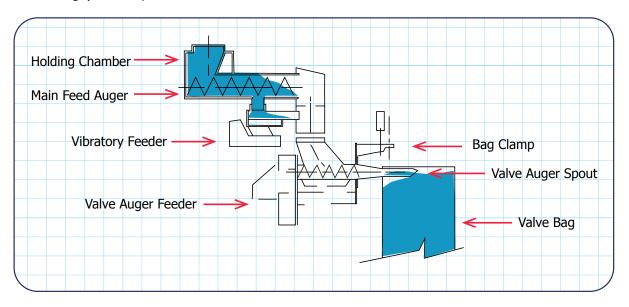




DE-50-AV Auger

■ HOW DOES IT WORK?

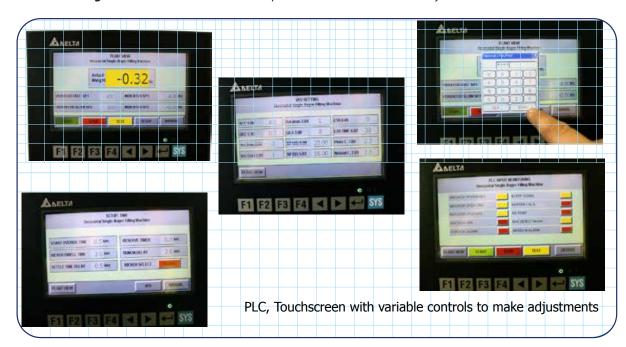
6. Filling cycle is complete.



7. Next step in production workflow:

Single Auger Filler: Replace bag for the cycle to continue.

Dual Auger Filler: Head 1 & head 2 are independant. Fill them simultaneously or one at a time.



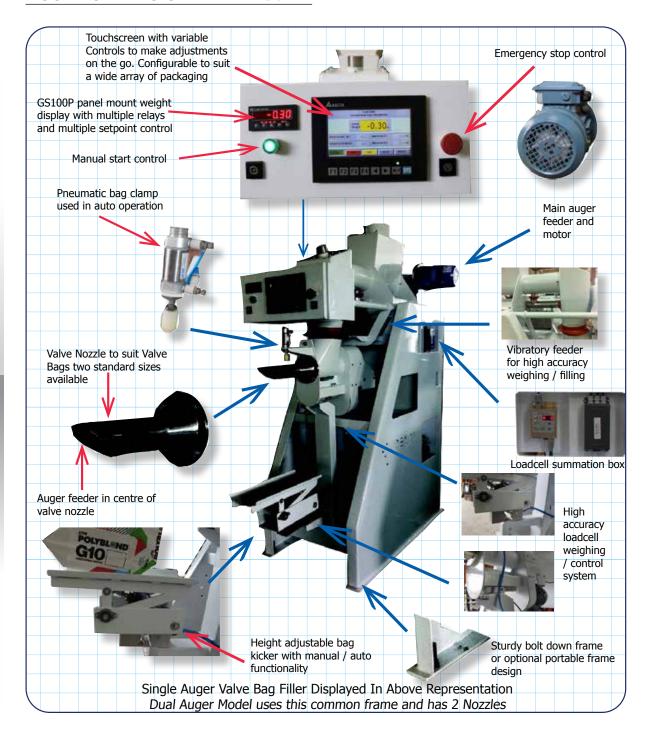
- The DE-50-AV fills bags by gross weight. The filler tare/zeros the bag and fills product to the desired weight.
- Bag placement options:
- 1) Manual placement & manual removal
- 2) Manual placement & automatic removal
- 3) Automatic placement & automatic removal





DE-50-AV Auger

COMPONENTS OF THE DE-50-AV





Packaging Equipment / Horizontal Auger Fillers

DE-50-AV Auger

■ CUSTOMISATION OPTIONS



BULK HANDLING OPTIONS

- » Surge hoppers or Feeding systems
- » Inlet surge bins
- » Discharge chute
- Dust collection vacuum system reducing dust around fill nozzle
- » Food Grade construction
- Integrated rotary valves Industrial or Food grade (removes high head pressures from mixers)



BAG LOADING & HANDLING OPTIONS

- » Automatic bag loader (Arm loader)
- » Bag placers
- » Bag flatteners
- » Multiple bag collision sensors
- » Conveyors
- » Out-feed conveyor
- » Check weigher
- » Palletisers
- » Self-leveling palletizers
- » Ultrasonic sealers
- » Foot switch for manual valve tuck positioner





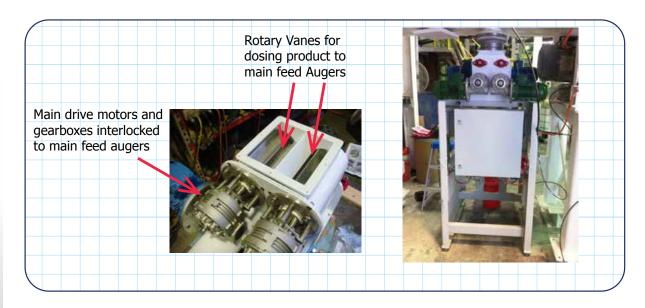


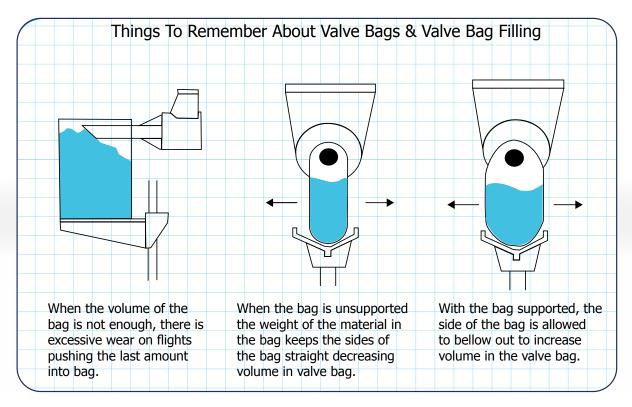




DE-50-AV Auger

■ ROTARY FEEDERS FOR THE DE-50-AV



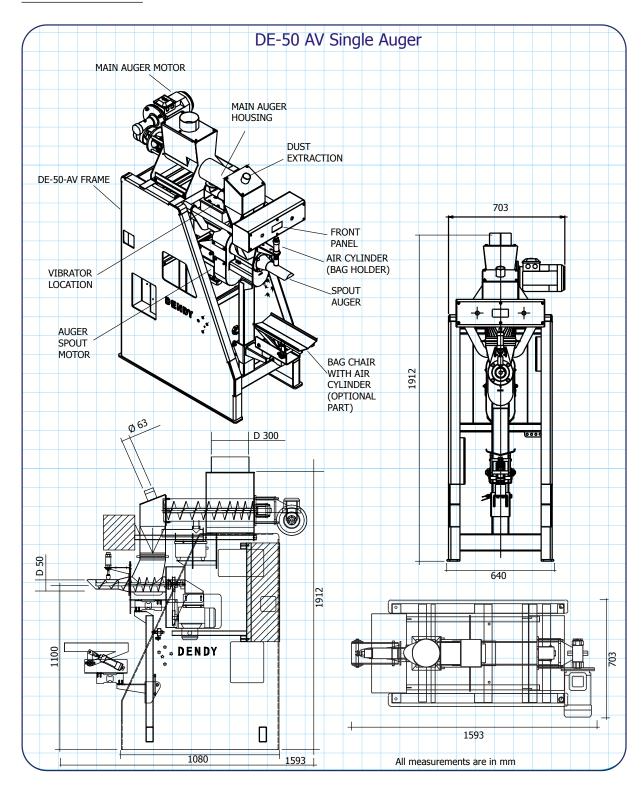






DE-50-AV Auger

DIMENSIONS

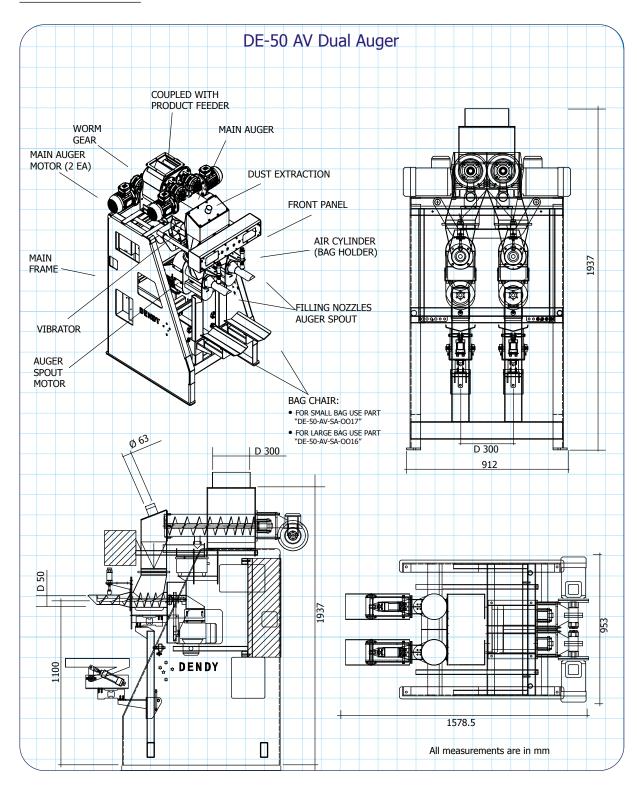






DE-50-AV Auger

DIMENSIONS





Packaging Equipment / Horizontal Auger Fillers

DE-50-AV Auger

QUESTIONAIRRE

| | | DATA | REQUE | ST | | | |
|--------------------------|----------|------------------|-------|------------------------|--|--|--|
| Quotation due date Estim | | | | ated installation date | | | |
| Project for | : (Name) | | | | | | |
| | (Addres | s) | | Funds approved: Yes No | | | |
| | (City) _ | | | - Quarter: | | | |
| | | ocation) | | | | | |
| Contact: | (Name) | | | | | | |
| | | | | | | | |
| | (Telepho | one) — | | | | | |
| Copy of pr | | | | | | | |
| | | _ | | | | | |
| | | | | | | | |
| - | Others | | | | | | |
| Attachmen | nts: | Supplement | Bag s | sample | | | |
| | | Pallet Data | Produ | Product sample | | | |
| | | Sketch / Drawing | Hazar | rd sheet | | | |
| | | | | | | | |

12





DE-50-AV Auger

| Product Details: One (1) sample & product hazard sheet to be forwarded on (date) | | | | | | | |
|--|-----------|--------|-------|--------|-------|--------|--|
| A Name: | | | | | | | |
| B Description: | | | | | | | |
| C Particle Size (Mesh): | | | | | | | |
| D Density: | | | | | | | |
| E Pack Temperature: | | | | | | | |
| F Flash Point: | | | | | | | |
| G Melting Point: | | | | | | | |
| H Angle of Repose: | | | | | | | |
| I Bridging Characteristics: | | | | | | | |
| J Corrosive: | | | | | | | |
| K Abrasive: | | | | | | | |
| L Hygroscopic: | | | | | | | |
| M Explosive: | | | | | | | |
| N Flammable: | | | | | | | |
| O Toxic: | | | | | | | |
| P Poisonous: | —— | | | | | | |
| Q Cost: | | | | | | | |
| R Other: | | | | | | | |
| Filling Bag Details: Empty samples will be forwarded (date) | | | | | | | |
| | Empty | Filled | Empty | Filled | Empty | Filled | |

| | | Empty | Filled | Empty | Filled | Empty | Filled |
|---|---------------------------------|-------|--------|-------|--------|-------|--------|
| Α | Bag Face Width: | | | | | | |
| В | Bag Gusset Width/Thickness: | | | | | | |
| С | Bag Length: | | | | | | |
| D | Top & Bottom Width: | | | | | | |
| Е | Bag Type (O.M.,Valve): | | | | | | |
| F | Valve Size (inside): | | | | | | |
| G | Valve Location: | | | | | | |
| Н | Valve Sleeve Type: | | | | | | |
| I | Valve Sleeve Dimensions*: | | | | | | |
| J | Bag Construction: | | | | | | |
| K | Rigid Container Diameter/Width: | | | | | | |
| L | Rigid Container Length: | | | | | | |
| Μ | Rigid Container Height: | | | | | | |
| N | Rigid Container Tare Wt: | | | | | | |
| Ο | Net Bag/Container Filled Wt: | | | | | | |

^{*} Length from outside edge of bag to inside edge of sleeve insert.

O.M.= Open Mouth Valve= Valve Bag



Packaging Equipment / Horizontal Auger Fillers

DE-50-AV Auger

| Α | DUTY: Hours/Day | Days/Week | Weeks/Year |
|-------------|---|-------------------------------|---|
| B C D | Kg per Hour: Bags/Containers per minute: Accuracy at 2 Sigma: % of Production: | | |
| F G | Operating Environment: Wet Operating Temp (Min/Max): Per | , | Dry Clean Humidity |
| H I | Surge Hopper Cap: Headroom: | | |
| J K | Automation of Bag Placement: | | |
| Uti | lities: | | |
| A B C | Power Voltage: Control Voltage: Classification controls: Dust tight _ | Ph. Wa | Hz Hz ter tight |
| D | Explosion proof: Class Motors: Exp. proof Chem. | Group | |
| E | Compressed air: PSI | | |
| Mat | erials of Construction: | | |
| F | Platework type: Produ | uct contact only | All other (specify) |
| G | Paint: powder coated | other (submit s | pecs) |
| Equ A | ipment Details: (Describe components | & provide sketch of layout in | ncluding critical dimensions & obstacles) |
| В | ☐ by AWE Group ☐ by Others | | |
| С | Controls Description: | | |
| | | | |





DE-50-AV Auger

■ HORIZONTAL AUGER SPECS



| Bag Sizes | Valve Size | Valve Length | Bag Width | Bag Height | | |
|-----------------|--|--------------------------------------|--------------------------------|--------------|--|--|
| | Suit 50mm (2") Fill Nozzle (standard) | 280 mm long | 100 - 180 mm Flat Dimension | 300 - 600 mm | | |
| Filling Speed | 1 to 4 bags per minute, depending on no. of spouts, product density, valve size, bag weight, quality of bag, accuracy required and product flow characteristics | | | | | |
| Bag Weights | 5 Kg to 50 Kg | | | | | |
| Accuracy | +/- 0.25% depending on filling speed, product bulk, flow characteristics, particle size, infeed system and bag size. (Typically +/- 50g @ 3 bags/ min @ 20kg Dual Spout Version On Tile Adhesives) | | | | | |
| Electrical | Base machine is 415 Vac 3 phase, 50 hz 2.5 amps | | | | | |
| Air System | r System Pressure Range 500Kpa (5 Bar) - 1000Kpa (10 Bar) | | | | | |
| | Control Air | 1CMH @ 800Kpa (8 Bar), Clean Dry Air | | | | |
| Size | please see drawings attached in brochure | | | | | |
| Weighing System | Fitted as standard with load cell and precision digital read-out indicator/controller. | | | | | |
| Flow Control | Three stage main/ dribble, vibratory feed cut off system | | | | | |





DE-50-AV Auger

■ AWE - THE BEST IN THE BUSINESS

AWE has built a reputation in providing world class products and services to customers from a wide range of industries for many unique applications. All the products come with AWE Quality Guarantee- giving you the assurance that they have been tested to meet or exceed the specifications and requirements of your application.

At AWE, it's more than just delivering perfectly-designed equipment, it also requires a team of dedicated people who will back you up with great service and support. Any servicing, installation and technical support issues you encounter can be addressed either onsite or remotely by our engineers and tradesmen who carry qualifications as:

- Licensed Tradesmen
- Mechanical Engineers
- Electrical Engineers
- Structural Engineers
- Draftsmen
- Fitter & Turners
- Boilermakers
- Fully Qualified Scale Makers
- Electronic Technicians
- Instrument Fitters
- Electricians
- Service Technicians
- Project Managers
- Formworkers
- Concreters

Call AWE today. We will find the right solution for your individual needs.

If you have questions about

- weighing equipment
- packaging equipment
- bulk materials handling
- componentry

call the sales team at AWE Group to find the right solution for your individual needs.



■ AWE PRODUCT RANGE





Load Cells



Scales



Crane Scales



Indicators



COMMITTED STATE NEGOTION OF THE PARTY NEGOTI

Onboard Weighing



Test Weight

Maintenance



Packaging Equipment / Horizontal Auger Fillers

DE-50-AV Auger

■ WHO IS "AUSTRALIAN WEIGHING EQUIPMENT GROUP"

Jeff & Trevor Baillie started Australian Weighing Equipment (or AWE) in 1981, focusing on weighing solutions based on engineering principles. For nearly 40 years AWE has built its reputation as a leading supplier of robust weighing, packaging & bulk handling equipment. Our innovative engineering and continuous product developments have led to designs that will stand up to the rigours and demands of your applications.

AWE has increased its investment in manufacturing facilities with a new 3,200sq/m factory in Sydney which features;

- A CNC Machine Shop
- Heavy Metal Fabrication Shop
- Larger work areas for our team of qualified tradesman

Acquisitions of Bradwood Packaging and Dendy Packaging and Design Engineering has increased our packaging and engineering experience.

In 2008, AWE established a manufacturing facility in China - AWE Group Packaging and Bulk Materials Handling Equipment, a purpose-built 5,000sq/m factory in Suzhou China (70kms From Shanghai).

All of the products we offer are Australian designed and manufactured under our strict quality control system in our own factories both locally and internationally.

■ LOCATIONS OF AUSTRALIAN WEIGHING EQUIPMENT



Australian Weighing Equipment - Sydney Office

8 Heald Road Ingleburn NSW 2565



Australian Weighing
Equipment - Melbourne Office

37 Barrie Road Tullamarine, VIC, 3043



Australian Weighing Equipment - Brisbane Office

7 Darnick Street Underwood, QLD 4119

AUSTRALIAN WEIGHING EQUIPMENT ON SOCIAL MEDIA



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/company/awegroupaustralia



www.youtube.com/AustWeighing



www.awe.com.au

Dealer's Information:



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