

Ernest Fleming Machinery & Equipment Pty Ltd



MACHINERY MERCHANTS - MANUFACTURERS - IMPORTERS
NEW & USED MACHINERY FOR THE FOOD, CHEMICAL & ASSOCIATED INDUSTRIES
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FLAMINGO AUGER CONVEYOR

OPERATING MANUAL

v2021.1

*Over 70 Years of Service to Manufacturing Industries
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1. GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your invoice as proof of purchase. This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it is intended. Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission. This guarantee does not affect the purchaser statutory rights.

2. SAFETY

With all machinery, there are certain hazards involved with the operation and use. Exercising respect and caution will considerably lessen the risk of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator or damage to property may result.

Always follow these safety warning and caution signs strictly at all time.



These signs indicate that there are moving parts that could be dangerous and hands must be kept out from them. Before touching them, the machine must be switched off.



These signs indicate that the machine cannot be washed-down as it could cause electrical hazard. Any electrical problems must be handled by qualified personnel only.

NOTE: Some of the signs might not present as they are applied on relevant machines only.

Do not carry out any maintenance or wiping with damp cloth while the machine is connected to an electrical power source.

DO NOT wash-down the machine under any circumstance.

- CHECK DAMAGED PARTS before further use of the machine, a guard or other part that is damaged should be checked to ensure that it will operate properly and perform its intended function.
- Check for alignment of moving parts, breakage of parts, mounting, or any other conditions that may affect its operation. A guard or other part that is damaged and does not perform its function should be properly repaired or replaced.
- If any part is damaged and does not perform correctly, it should be repaired or replaced before further use of machine.
- **DISCONNECT POWER SUPPLY AND COMPRESSED AIR SUPPLY TO MACHINE BEFORE SERVICING** and when removing parts.
- KEEP GUARDS in place and in working order.
- ALWAYS WEAR ADEQUATE PPE WHEN REQUIRED.
- REMOVE ADJUSTING KEYS/ SPANNERS etc. Form a habit of checking to see that keys and spanners etc. are removed from machine before turning it on.
- Do not operate the machine whilst under the influence of drugs, alcohol or any medication.
- NEVER STAND ON THE MACHINE. Injury could occur from a fall.
- NEVER LEAVE MACHINE RUNNING UNATTENDED.
- Do not leave machine until it comes to a complete stop.
- ALWAYS REMOVE PLUG from electrical outlet and PNEUMATIC POWER SUPPLY when cleaning, adjusting, changing parts or working on the machine.
- ENSURE THE ELECTRICAL CABLE is fully protected and there is no danger of damage from equipment or materials. **Always inspect the cable before use** and replace if any damage is apparent.
- If an extension cable is to be used, it is recommended that a splash proof cable connector is fitted and that this connector is kept free of any water.
- If in doubt, consult a qualified electrician; do not attempt any electrical repairs yourself.
- Keep your **hands clear of moving parts** at all times.
- DO NOT wear jewellery or loose clothing that could be entangled in the machine.

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PART 1: MACHINE OVERVIEW



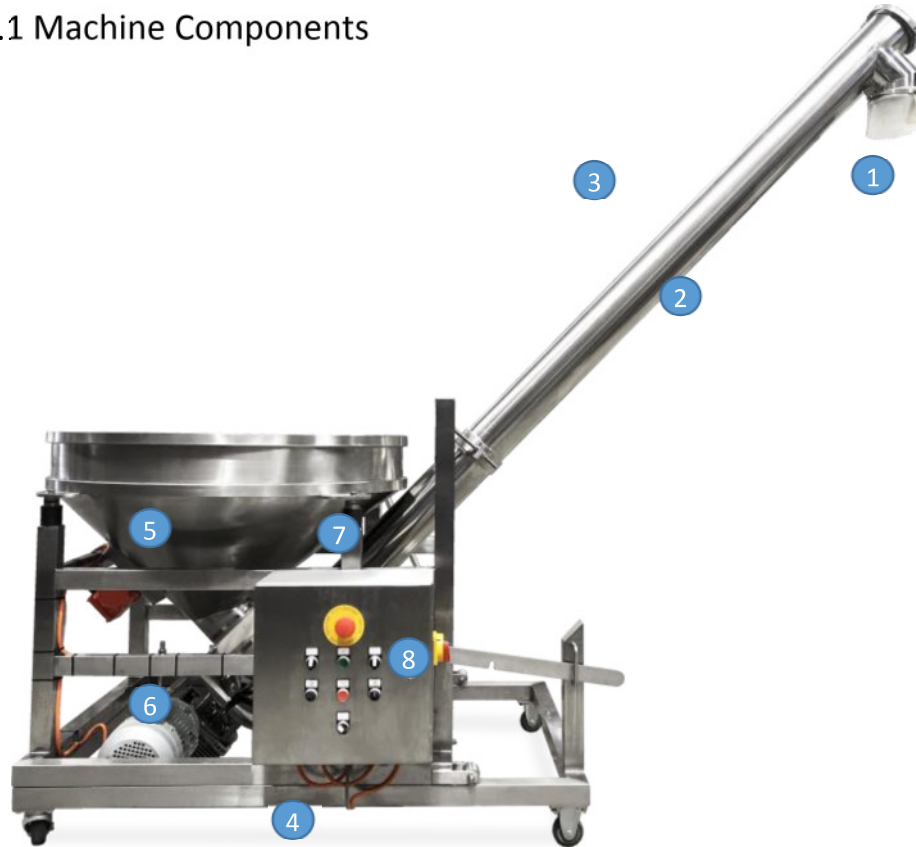
Flamingo auger conveyor is a powerful machine that can transfer powder/granule product from its product hopper onto the adjustable-height outlet.

The product hopper can have a vibrator installed to ease the products inside as well.

The auger conveyor can also operate automatically with its internal timer relay, external product sensor (installed on another machine), or integrated scale system.

PART 2: MACHINE DETAILS

2.1 Machine Components



#	Component	Function
1	Auger Filling System	To transfer the product onto the adjustable-height outlet.
2	Hopper system	To feed product into the auger filling system.
3	Machine control box	Only authorised workers should open due to electrical hazards.
4	Machine Operating Interface	To start/stop, adjust, and manually control the machine.

Note: The appearance may look different depending on each individual machine.

Auger filling system



#	Component	Function
1	Machine outlet	To dispense the transferred product.
2	Transfer sock and clamp	To help transferring the product to the next process cleanly.
3	Auger tube	To guide the product out to the outlet.
4	Auger (inside the tube)	To transfer the product in the auger tube.
5	Auger Motor	To drive the auger spinning.

Note: The appearance may look different depending on each individual machine.

Hopper system



#	Component	Function
1	Input hopper	To keep the product and feed them into the auger tube.
2	Hopper vibrator (optional)	To vibrate the product in the hopper for smoother flowing into the auger tube.
3	Grid	To prevent operators from putting hand into the machine when filling up the hopper, while the machine is running.
4	Safety switch with key	To automatically stop the machine when the metal grid is removed for safety purpose.
5	Transfer sock bottom	To help transferring the product from the hopper to the auger filling system cleanly.

Note: The appearance may look different depending on each individual machine.