



We are committed to transforming industrial operations through the promotion of sustainability and efficiency. Our Machinery Refurbishment Campaign is designed to rejuvenate existing machinery, minimizing waste and environmental impact while ensuring peak performance. Through refurbishment and upgrades, we enable businesses to boost productivity, prolong the lifespan of their equipment, and achieve significant cost savings.

With a team of proficient professionals and state-of-the-art technology, we provide comprehensive refurbishment services customized to your precise requirements. Whether it involves updating obsolete components, improving energy efficiency, or integrating advanced automation systems, our specialists are dedicated to providing exceptional solutions.

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BY INDUSTRIES CATALOG 2025



FERMENTATION TANK

BYFMT-M1-Y24

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Product overview

This versatile fermentation tank, crafted from durable food-grade stainless steel, is designed for efficiency and precision. It supports various fermentation methods, including Carbonic Maceration, Aerobic, and Anaerobic processes, making it adaptable for diverse applications. Integrated monitoring tools and an innovative and safe 360-degree rotational design streamline operation, ensuring easy handling, cleaning, and optimal fermentation control. With a capacity of up to 600 litres and mobility-enhancing wheels, this tank is ideal for on-site use, offering seamless functionality and unmatched convenience.

Specifications

Material and Construction:

Made of food-grade stainless steel 304 for the main body, ensuring hygiene and durability. Lower frame constructed with an iron bracket for enhanced stability.

Versatile Fermentation Support:

Designed to accommodate various fermentation methods, including Carbonic Maceration (CM), Aerobic, and Anaerobic processes.

Integrated Monitoring Tools:

Equipped with a deep thermometer, barometer, and pH meter for precise monitoring of fermentation conditions.

Rotational Design for Convenience:

The tank can rotate 360 degrees, simplifying tasks like adding raw material, extracting the product, and cleaning. Eliminates the need for a separate stirring device by relying on tank rotation for internal stirring.

Capacity and Efficiency:

The tank is 0.6M3 or 600L the size can be adjusted to meet client requirement.

Ease of Mobility:

Features lower castor wheels for effortless transportation and repositioning.

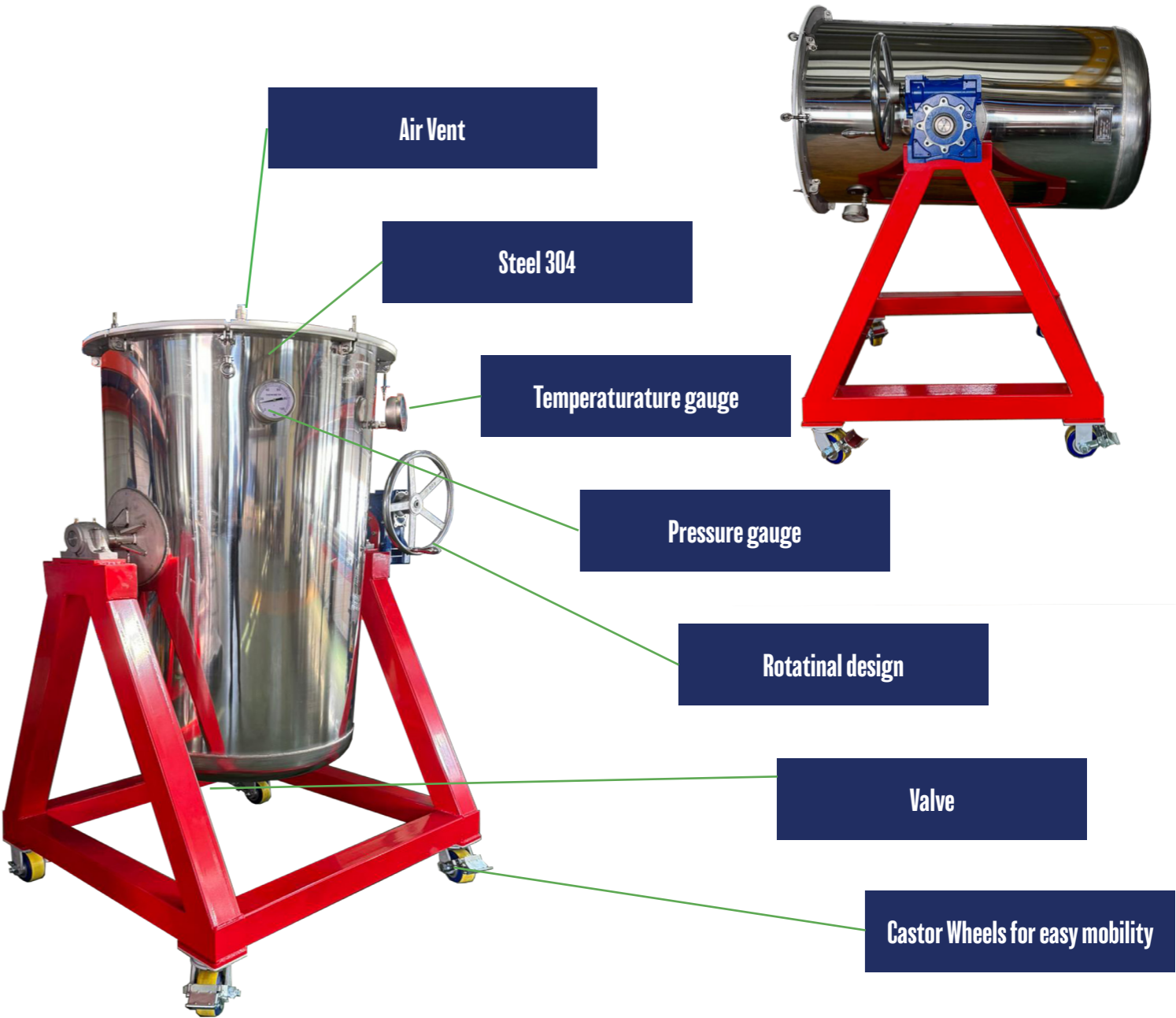
Farm-Oriented Operation:

Specifically designed for operation by farm unit personnel, promoting on-site convenience and efficiency.

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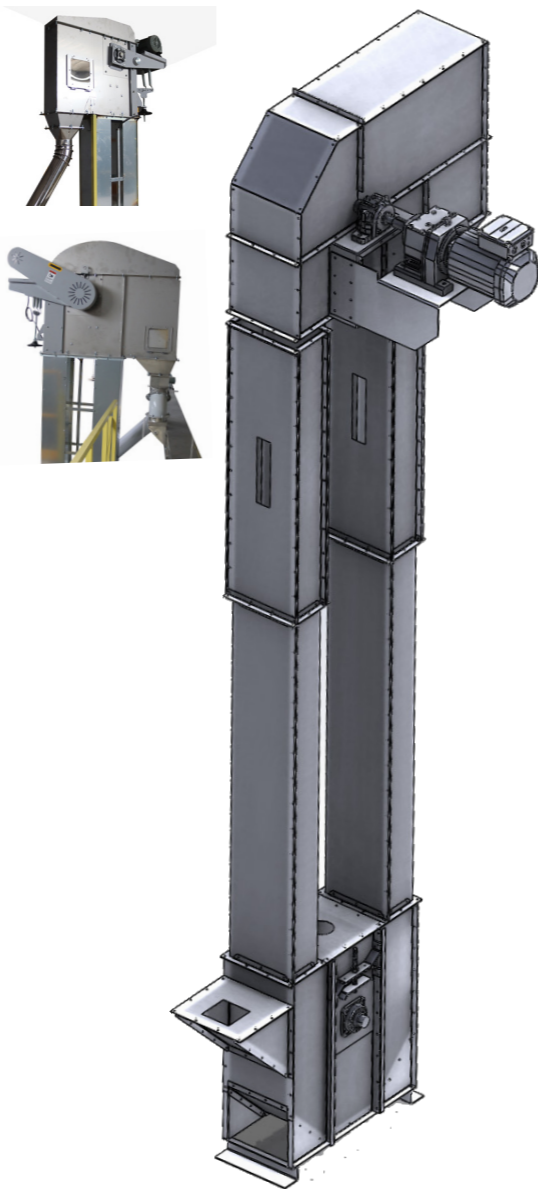
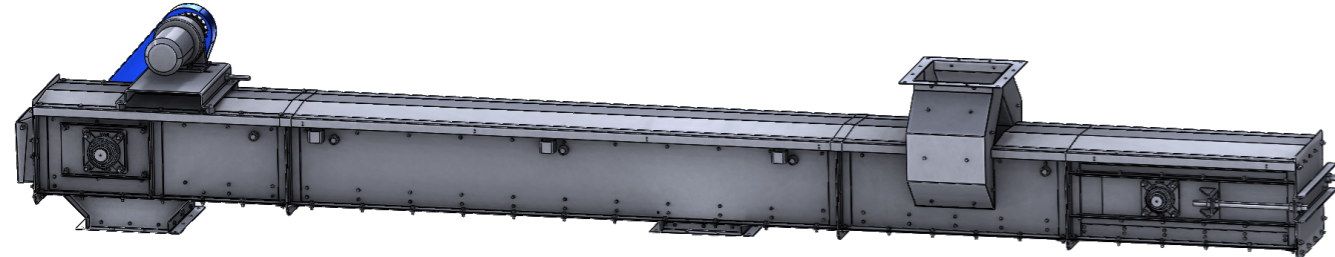
Applications

Brewing Industry	Wines and Spirits Production	Dairy and food Industry	Biotechnology and Pharmaceuticals
Beer production	Wine fermentation Oxidation prevention Distilleries	Fermented dairy products Pickling and sauerkraut Coffee fermentation	Probiotics production Biopharmaceuticals Sterile conditions
Chemical Industry	Biofuels and Environmental applications	Cosmetics and Nutraceutical Industry	Agricultural and Animal Feed Industry
Organic acid production Ethanol and alcohols Enzymes production	Ethanol production Anaerobic digestion	Active ingredients fermentation Controlled cultivation	Silage Fermentation Biofertilizer Production



Overview

Manufactured with state-of-the-art technology, our transport devices, including conveyors and belevators, are designed to meet the needs of a variety of industries. These systems are versatile and can handle the efficient movement of coffee, beans, maize, grains, and a wide range of other materials. Built for durability and performance, they provide reliable solutions for agricultural, industrial, and commercial applications, ensuring smooth and effective material handling.



Specifications

- Attach equipment that fully dispose of residuals in elevator.
- Anti-condensation special body.
- Belt tension is automatically adjusted.
- Completely compensates for the shortcomings of the existing induction discharge type.
- Transparent inspection window to check discharge, input volume control unit.
- Upper coating drum for slip-resistant.
- Option: Can choose the quality of machine according to its' usage.

Model	EF-20T	EF-10T	EF-5T	EF-3T
Application	Raw material rice, brown rice and white rice, Transfer of various grains vertically and completely discharged			
Form	Completely discharged type (Induction Discharge Type)			
Capacity	20 - 23 (Ton/H)	10 - 12 (Ton/H)	5 - 6 (Ton/H)	2.5 - 3.0 (Ton/H)
Head Dimensions	1650x553x1088	1366x480x855	1223x445x855	750x360x2650
Tail Dimensions	1218x440x952	1045x350x813	925x315x700	
Drum revolution	33.8 RPM	41 RPM	41 RPM	130 RPM
Belt Speed	37.9 M/Min	32 M/Min	28 M/Min	37 M/Min
Power	2.2kWx1/20x4P	1.5kWx1/20x4P	0.75kWx1/20x4P	0.19kWx1/15x4P
Bucket Volume	0.00351278(m3)	0.0021966(m3)	0.00086388(m3)	
Bucket Gap	200 mm	180 mm	130 mm	120 mm

Specifications

- Fabricate a soft cleaner on the plastic chain and drain it without any residual amount.
- Structures that are completely discharged even with intermediate outlets.
- Reduce power costs by using low power due to chain weight reduction.
- Suitable for noise-sensitive businesses by reducing noise at source.
- Safety operation is possible through various safety devices (optional)
- Suitable for GAP(Good Agricultural Practices),HACCP(Hazard Analysis Critical Control Point System).
- Option : Detect over flow, Rotating defection device.

Model	DNC - 10T	Remark
Form	Horizontal transport using plastic chain	No residual type
Capacity	11 - 13 ton/time (MAX.15 ton/time)	Brown rice, white rice standard
Specification (casing)	W160 x 269	the bore
Speed of chain	15.7 m/min (Ration of gear:15t/33t)	25rpm
Power required	0.4 ~ 2.2 ~ x 1/30 x 4P	1.5 - 30.0m
Application	Horizontal transport of raw material brown rice, white rice, and various grains	

Specifications

- Urethane (or P.E) Conveying plate (It prevents damage to grain and operates with low noise).
- Roller, chain droop prevention guide , Chain tension controlling device.
- Anti-leakage body and upper inspection cover.
- P.E. floor plate (polyethylene).
- Transport long distance with the application of special feature of chain (- 50m).
- Transport large scale grains with the exclusive transporting conveyor chain.

Model	DFC-20T		DFC-40T		Remark
Capacity	20 - 30 ton/time		40 - 50 ton/time		Paddy(rice)
Form	Horizontal transport using L attachment chain				
Specification (casing)	W230 x 365		W270 x 500		
Power	2- 6m	2HP-3HPx4P	2 - 6m	3HP-5HPx4P	50.0m differ with transporting products
	7 - 15m	3HP-5HPx4P	7 - 15m	7.5HP-10HPx4P	
	15 - 35m	5HP - 7.5HP x4P	15 - 35m	10HP-15HPx4P	
	35 - 50m	7.5HP-10HPx 4P	35 - 50m	15HP-25HPx4P	
Application	Horizontal transportation of various grains and industrial products				

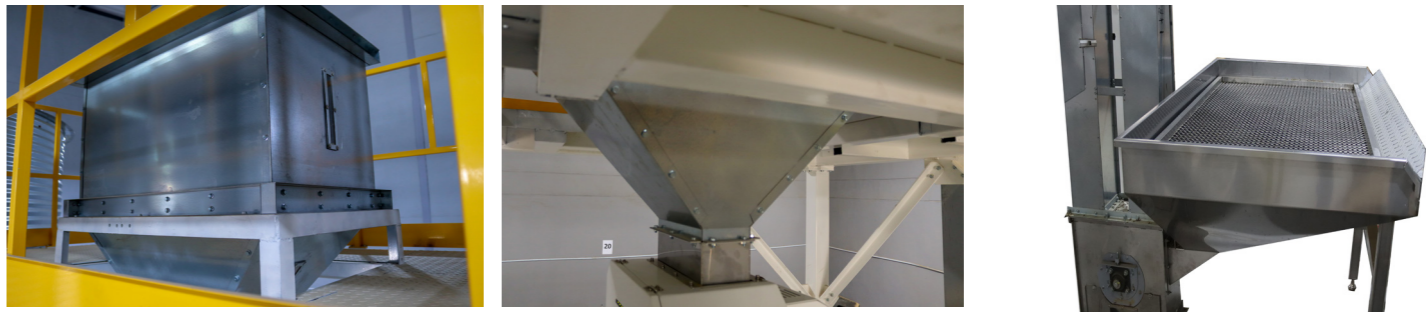
Specifications

- Suitable for transferring fragile raw materials due to low impact during input and discharge.
- Due to Low height of discharge, it causes low damage to transfer materials and low noise.
- Horizontal/ vertical complex transport of raw material is possible.
- No residual transport is possible by supplying feeding raw materials on the bucket.

Model	DZE-4	Remark
Capacity	Max 4 - 6.5 m3/hr [3.2 - 7.7 Ton/hr - White rice standard]	
Dimension	Max 3,500(L) x 700(W) x 4760(H)	Can change length andheight (Ordering form)
Power	1.5Kw/2.2Kw x reduction gear ratio 1/60 ~ 220/380V 3phase 4P inverter - belt speed under 0.2m/sec	
BUCKET	capacity 1.8 L/ea	
Application	Transporting raw material that is easy to be damaged	
Operational feature	Adjust the transporting speed by the feature of raw material that is transported	

Overview

Crafted with cutting-edge technology, our hoppers are designed to serve a wide range of industries. These versatile systems are ideal for the efficient handling and storage of coffee, beans, maize, grains, and other bulk materials. Engineered for durability and reliability, they provide seamless solutions for agricultural, industrial, and commercial operations, ensuring optimal performance in material management.



- Dump Hoppers
- Bottom Discharge Hoppers
- Conical Hoppers
- Rectangular Hoppers
- Portable Hoppers
- Silo Hoppers
- Feed Hoppers
- Storage Hoppers
- Railcar Hoppers
- Surge Hoppers
- Batch Hoppers
- Vibratory Hoppers