



**AARNEX
MACHTECH**

Private Limited

PRODUCT CATALOGUE

2026

PHARMACEUTICAL • COSMETICS • PACKAGING MACHINERY

ENGINEERING
RELIABLE
PROCESS
SOLUTIONS



PRECISION
ENGINEERING



GMP
COMPLIANT DESIGN



CUSTOMIZED
SOLUTIONS



RELIABLE
SUPPORT

ABOUT AARNEX MACHTECH

AARNEX MACHTECH PRIVATE LIMITED is a trusted manufacturer and supplier of high-quality process equipment for the pharmaceutical, cosmetics and packaging industries. We design and deliver reliable, hygienic and efficient machinery that meets global standards and customer specific requirements.

With a strong focus on innovation, engineering excellence and customer satisfaction, we aim to be a long-term partner for businesses seeking precision-engineered process solutions.



ENGINEERING PHILOSOPHY

At **AARNEX MACHTECH**, our engineering philosophy is built on the principles of quality, reliability and continuous improvement.

We believe in creating process solutions that not only meet today's industry needs but also support the sustainable growth of our clients in the future.



PRECISION ENGINEERING

High-accuracy design and manufacturing for consistent performance and long service life.



GMP-COMPLIANT DESIGN

Equipment designed in accordance with GMP and international regulatory standards.



CUSTOMIZED SOLUTIONS

Tailor-made machines and integrated systems to meet specific process requirements.



RELIABLE AFTER-SALES SUPPORT

Dedicated service and technical support for installation, commissioning and long-term reliability.



Engineering Reliable Process Solutions

OINTMENT MANUFACTURING PLANT

Precision Manufacturing for
Ointments, Creams, Gels & Emulsions

The **Ointment** Manufacturing Plant is an advanced, fully integrated processing system engineered for the hygienic production of ointments, creams, gels, lotions, emulsions, and other semi-solid pharmaceutical and cosmetic formulations. Designed in accordance with GMP requirements, the plant ensures consistent product quality, superior texture and high production efficiency.



APPLICATIONS



Pharmaceutical
Ointments



Creams



Cosmetic
Creams



Gels



Lotions



Toothpaste



Herbal
Preparations



Emulsions

STANDARD PLANT CONFIGURATION

- Main Manufacturing Vessel
- Wax/Oil Phase Vessel
- Water Phase Vessel
- Product Storage Vessel
- Vacuum Transfer System
- Inline Homogenizer
- Lobe Transfer Pump
- Metering Pump
- Integrated PLC Control Panel
- Stainless Steel Working Platform
- Interconnecting SS316 Piping

KEY FEATURES

- ✓ Fully enclosed hygienic manufacturing process
- ✓ GMP-compliant pharmaceutical construction
- ✓ SS316 product contact parts
- ✓ Jacketed vessels for efficient heating & cooling
- ✓ Vacuum emulsification for air-free products
- ✓ High-shear homogenizer for superior emulsion quality
- ✓ Variable-speed anchor agitator with Teflon scrapers
- ✓ Easy-open vessel design for rapid cleaning
- ✓ Mirror-finished contact surfaces
- ✓ Inline filtration for improved product quality
- ✓ Automatic material transfer between vessels
- ✓ Compact, operator-friendly design

OPTIONAL AUTOMATION

- PLC-based fully automatic control
- SCADA integration
- Recipe management
- Load cell weighing system
- Automatic vacuum transfer
- CIP (Clean-in-Place) system
- Touchscreen HMI
- Automated batch reporting

TYPICAL PROCESS FLOW



CAPACITY RANGE	50 Litres	100 Litres	200 Litres	300 Litres	500 Litres	1000 Litres	1500 Litres	2000 Litres	2500 Litres	Custom capacities available upon request.
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SYRUP

MANUFACTURING PLANT

Complete Solution for Oral Liquid & Syrup Manufacturing

PRODUCT OVERVIEW

The **AARNEX** Syrup Manufacturing Plant is a fully integrated processing system designed for the hygienic production of pharmaceutical oral liquids, syrups, suspensions, and food-grade liquid formulations. Built to **cGMP** standards, the plant combines precision mixing, heating, cooling, filtration, homogenization, storage, and automated transfer into a single efficient manufacturing solution. Its enclosed design ensures consistent product quality, reduced contamination risk, and simplified operation with high production efficiency.



APPLICATIONS



Pharmaceutical Oral Liquids



Medicinal Syrups



Nutraceutical Syrups



Herbal Syrups



Food Syrups



Flavoured Solutions



Liquid Suspensions



Veterinary Oral Liquids

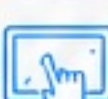
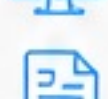
KEY FEATURES

- ✓ Closed-loop hygienic manufacturing process
- ✓ cGMP-compliant pharmaceutical design
- ✓ SS316 product contact parts
- ✓ Steam or electric heating options
- ✓ Jacketed vessels for heating and cooling
- ✓ Top & bottom entry agitators
- ✓ High-shear inline homogenization
- ✓ Uniform mixing and suspension preparation
- ✓ Integrated filtration system
- ✓ Automatic product transfer
- ✓ Centralized operator control panel
- ✓ Low maintenance and easy cleaning

STANDARD PLANT CONFIGURATION

-  Sugar Syrup Preparation Vessel
-  Manufacturing Vessel
-  Storage Vessel
-  High-Speed Mixing System
-  Inline Homogenizer
-  Basket Filter
-  Zero Hold-Up Filter Press
-  Transfer Pumps
-  Product Distribution Piping
-  Integrated Electrical Control Panel

OPTIONAL AUTOMATION

-  PLC-based automation
-  Touchscreen HMI
-  SCADA integration
-  Recipe management
-  Automatic temperature control
-  Load-cell weighing system
-  CIP (Clean-in-Place)
-  Batch reporting & data logging

TYPICAL PROCESS FLOW



CAPACITY RANGE

100 Litres	200 Litres	300 Litres	500 Litres	1000 Litres	2000 Litres	5000 Litres	10000 Litres	20000 Litres
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 Custom capacities available on request.

 **GMP-COMPLIANT DESIGN**
Built for Safety & Quality

 **PRECISION ENGINEERED**
For Consistent Performance

 **CUSTOMIZED SOLUTIONS**
Tailored to Your Needs

 **RELIABLE AFTER-SALES SUPPORT**
Always With You

MULTI MILL

HIGH-PERFORMANCE MILLING FOR PRECISE PARTICLE SIZE REDUCTION

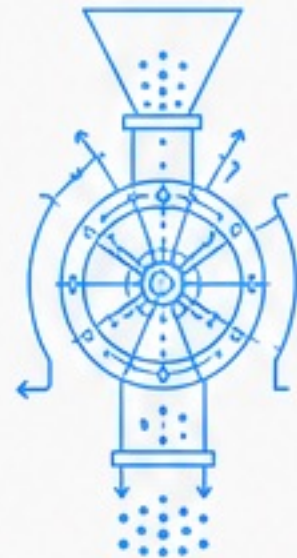
PRODUCT OVERVIEW

The AARNEX Multi Mill is a compact, versatile and high-performance size reduction machine designed for efficient milling, granulation, pulverizing and shredding of both wet and dry materials.

It delivers uniform particle size with minimal product degradation, ensuring consistent output and high throughput—ideal for pharmaceutical, nutraceutical, food, cosmetic and chemical processing applications.



WORKING PRINCIPLE



Material is fed through the hopper into the milling chamber, where a high-speed rotor fitted with specially designed knife and impact blades performs controlled size reduction. The processed material passes through interchangeable perforated screens, producing a uniform particle size suitable for downstream processing. The machine combines impact, cutting and shearing actions for efficient and continuous operation.

APPLICATIONS

- 

Pharmaceutical Powders
- 

Granules
- 

Food Ingredients
- 

Herbal & Ayurvedic Products
- 

Nutraceuticals
- 

Cosmetic Powders
- 

Chemicals
- 

Pigments & Dyes

TECHNICAL HIGHLIGHTS

- ✓ High-speed milling for superior particle size reduction
- ✓ Uniform and consistent product output
- ✓ Suitable for both wet and dry materials
- ✓ Low heat generation during processing
- ✓ Interchangeable perforated screens
- ✓ High throughput with continuous operation
- ✓ Easy dismantling for cleaning and maintenance
- ✓ cGMP-compliant hygienic construction
- ✓ Low vibration and noise
- ✓ Compact footprint with high productivity

CONSTRUCTION FEATURES

✓	Product Contact Parts	SS 316
✓	Non-contact Parts	SS 304
✦	Machine Finish	Mirror / Matt Finish
⚙	Rotor Assembly	Precision Balanced
⚙	Screens	Interchangeable Perforated Screens
⚙	Discharge	Tangential / Bottom Discharge
⚙	Drive	TEFC Motor
⚙	Mobility	Heavy-duty Castor Wheels
✓	Safety	Emergency Stop & Safety Interlocks

STANDARD SPECIFICATIONS

- 

MOTOR
1 HP – 15 HP
(Model Dependent)
- 

ROTOR SPEED
Variable
(Model Dependent)
- 

SCREEN SIZE
Interchangeable Perforated Screens
- 

CAPACITY
As per model & product characteristics
- 

CONSTRUCTION
SS 316 / SS 304
- 

POWER SUPPLY
415 V, 50 Hz, 3 Phase

KEY BENEFITS

- 

Higher production efficiency
- 

Uniform particle size distribution
- 

Reduced product loss
- 

Easy operation and maintenance
- 

Quick screen replacement
- 

Hygienic pharmaceutical design
- 

Long service life
- 

Reliable & repeatable performance

VIBRO SIFTER

**EFFICIENT SEPARATION.
CONSISTENT QUALITY.**

PRODUCT DESCRIPTION

AARNEX Vibro Sifter is a high-efficiency screening machine designed for accurate separation and classification of dry powders and granules. It removes lumps, oversized particles and foreign impurities, ensuring uniform particle size and consistent product quality.

The circular vibratory motion, combined with precision-engineered screens, ensures high throughput, clog-free operation and gentle handling of materials.



APPLICATIONS



Pharmaceuticals



Food & Beverages



Chemicals



Herbal & Ayurvedic



Cosmetics



Minerals & Pigments

BENEFITS

- ✓ Ensures uniform particle size for consistent quality
- ✓ High screening efficiency with maximum throughput
- ✓ Removes lumps, impurities and foreign particles
- ✓ Low maintenance and easy to clean
- ✓ Simple operation with low noise and vibration
- ✓ Compact design with small footprint
- ✓ Suitable for continuous operation

TECHNICAL HIGHLIGHTS



High Efficiency Screening

Multi-deck screening with high efficiency and large processing capacity.



Precision Design

Uniform vibration and optimized screen design ensures accurate separation.



Hygienic Construction

All contact parts in SS 304 / SS 316 with mirror finish for easy cleaning.



Vibration System

High-performance vibrating motor for smooth and consistent operation.



No Mesh Clogging

Specially designed ball cleaning system prevents mesh clogging.



Easy Discharge

Multiple discharge outlets for efficient material separation.

SALIENT FEATURES



Multi-deck configuration



Circular vibratory motion



Interchangeable screens



Durable & robust construction



Easy to dismantle & clean



Available in various sizes & capacities



GMP COMPLIANT DESIGN



PRECISION ENGINEERED



CUSTOMIZED SOLUTIONS



RELIABLE AFTER-SALES SUPPORT

WHY CHOOSE AARNEX MACHTECH

At AARNEX MACHTECH, we combine engineering excellence with a customer-first approach to deliver reliable, efficient and future-ready solutions.

**YOUR VISION. OUR ENGINEERING.
SHARED SUCCESS.**



01

STAINLESS STEEL CONSTRUCTION

Built with premium quality SS 304 / SS 316 stainless steel for superior durability, corrosion resistance and long service life. All product contact parts are finished to high hygienic standards.



02

GMP DESIGN

Our equipment is designed and manufactured as per cGMP guidelines ensuring maximum product safety, hygiene, and compliance with pharmaceutical and industrial standards.



03

PLC AUTOMATION

Advanced PLC-based automation ensures precise control, real-time monitoring, data logging and repeatable performance with minimum manual intervention and maximum efficiency.



04

CUSTOMIZED ENGINEERING

Every project is unique. We offer tailor-made solutions designed around your specific process requirements, space constraints and production goals.



05

QUALITY ASSURANCE

Rigorous quality control at every stage — from raw material inspection to final testing — ensures consistent quality and reliable performance you can trust.



06

FACTORY ACCEPTANCE TEST (FAT)

All equipment undergoes thorough FAT at our state-of-the-art facility to ensure functionality, safety and performance before delivery.



07

INSTALLATION & COMMISSIONING

Our experienced team ensures smooth installation and commissioning at your site with minimal downtime and optimal performance.



08

TECHNICAL SUPPORT

We stand with you beyond delivery. Our responsive after-sales support, preventive maintenance and quick service ensure your plant runs at peak efficiency.



ENGINEERED FOR EXCELLENCE. BUILT FOR YOU.

From concept to commissioning and beyond, AARNEX MACHTECH delivers engineering solutions that drive productivity, ensure compliance and create long-term value for your business.



RELIABLE



EFFICIENT



INNOVATIVE



TRUSTED



GMP COMPLIANT DESIGN



PRECISION ENGINEERED



CUSTOMIZED SOLUTIONS



RELIABLE AFTER-SALES SUPPORT



**AARNEX
MACHTECH**
— Private Limited —

LET'S BUILD THE FUTURE TOGETHER

Thank you for exploring our product range.
We look forward to partnering with you
to deliver innovative, reliable and efficient
engineering solutions that drive your success.



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ENGINEERED
FOR EXCELLENCE



BUILT FOR
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DELIVERING VALUE
WORLDWIDE



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