

Gansons

Better Solutions **Since 1947**



Product Portfolio

Knowledge • Execution • Support



About Gansons

Founded in 1947, we are one of the world's oldest family-owned process equipment manufacturers. Through the course of our history, we have been at the forefront of industrial innovation. Today, over two billion person-hours of experience shape and refine every Gansons machine and service.

Gansons, an ISO 9001:2008 certified company, has multiple facilities across India with headquarters in Thane (near Mumbai). We have manufacturing facilities in Thane, Digha, and two in Nashik with a combined floor space of over 150,000 square feet.

To drive product innovation, we maintain our own Research and Development facility in Thane. This facility is supported by close relationships with leading academic institutions.

We have a global network of agents to support our clients from over 30 countries. Our commitment to excellence is built on our values of Passion, Perseverance and Perfection.

To quote one of our clients, "When you buy Gansons, you buy peace of mind."

Customer Support

At Gansons, we recognize that our clients need to maximize their ROI over the entire lifecycle of ownership. For our clients, machine downtime is not acceptable. To support them, we maintain a dedicated team of 20 service engineers.

Technical Support and Repair

Live and immediate technical support is available using all major communication tools. Local service engineers are available in selected locations.

Standard on-site response time:

- India: 24 hours
- Globally: 72 hours (conditions apply)

Installation and commissioning supervision is done by a single person for a seamless experience.

All our vendors are contractually required to adhere to the same service standards.

Value Added Services

We offer our clients value-added services so that they can run their machines with the highest efficiency over time.

- Operator training programs
- Process optimization and validation
- Annual maintenance contract
- Machine upgrade consultations

Gansons Customer Experience:

From Comfort to Trust to Loyalty

Knowledge

Your challenges are not limited to the equipment you buy. Our solutions have to address your broader business challenges including quality, people, efficiencies, ROI and many more.

When Gansons proposes a solution, you can rest assured that we know what we are talking about and that we will provide the best solution.

We have to know and understand processes, applications and challenges. You do not want us to just build a machine, you expect us to know all critical process operations. We learn your entire process, the operating environment and all factors affecting your manufacturing operations.

At Gansons, we have a long tradition of continuous learning to be prepared to address the challenges of today and tomorrow.

Execution

At Gansons, we work hard to ensure flawless execution on our commitments for product specifications, quality, delivery and service. To achieve this, our entire team, including our supply chain partners, work to ensure that the design, planning, sourcing, manufacturing, delivery and commissioning are streamlined and executed with precision and accuracy. We also ensure that there is an ongoing communication with our clients so that we can work through challenges or changes while meeting their ultimate goals.

Support

We ensure that you achieve the highest ROI from your Gansons equipment over the entire lifecycle of ownership.

Our service standards are the highest in the industry and we never give up on solving our client's problems. Support is not just about service and repair, it is about utilizing our equipment to its full potential.

We regularly visit your facilities to accurately calibrate the equipment and tweak process parameters to optimize efficiencies and output. More importantly, we spend time with the actual end-users to get their feedback to continuously improve our future offerings.

Super Gran™

Proven Performer that Leaves Nothing to Chance



In traditional Rapid Mixer Granulators (RMGs), the circumferential speed from centre to periphery becomes faster. Closer to the centre, the granulated substances tend to become larger. As the capacity increases, this phenomenon becomes more pronounced. Material tends to exhibit a bi-modal behaviour as the shear zone is only at the bottom of the bowl where the impeller is moving. This leads to uneven shear application to the powder mass. It paves the way for unpredictable effects of compressive forces to creep in, ultimately leading to a loss in scalability at larger volumes.

This problem is eliminated in the **Super Gran™** that has a number of impellers mounted throughout the vertical axis of the bowl. Delumpers used in traditional RMGs lead to material sticking to the top lid and the body of the bowl, which does not occur in the **Super Gran™**.

The GansCoater®

Meticulously Designed and Built for Quality



The GansCoater® is the world's leading tablet coating system—designed, manufactured and supported to deliver results of the highest quality, efficiency and reliability.

With over 1,200 current installations, **The GansCoater®** is trusted by major pharmaceutical manufacturers for critical applications in plants stringently regulated by the world's leading authorities.

With the latest Gansons High Performance Nozzle, **The GansCoater®** has revolutionized the speed and quality of tablet coating while reducing operating and maintenance costs.

You can count on **The GansCoater®** to perform reliably and consistently—delivering the highest ROI and the industry's most outstanding value over time.

High Shear Mixer Granulator

Proven Performer that Leaves Nothing to Chance



The **High Shear Mixer Granulator (HSMG)** is designed and built to address today's particular mixing-granulation challenges, drawn from our knowledge and experience in manufacturing mixers for all processes for over 50 years,

HSMG is uniquely distinguished by its:

- Process quality and efficiency
- Accurate end-point detection
- cGMP-compliant safe cleaning and validation
- Advanced automation with regulatory compliance controls
- Predictable scalability

Gansons Fluid Bed Dryer

With Patented Cyklon[®] Air Distribution System



Gansons Fluid Bed Dryer, with its patented Cyklon[®] Air Distribution system, rewrites the paradigm for drying speed and efficiency.

While reducing drying time by up to 60%, **Gansons Fluid Bed Dryer** increases productivity by 50%, saves up to 50% in utility consumption and significantly reduces human capital requirements.

The inter-particle abrasion is greatly reduced in the **Gansons Fluid Bed Dryer**. More control over fluidization ensures that less powder reaches the filter bags. Taken together, these result in less fines generation and reduced product losses.

Based on trial results conducted. Please request white paper for further details.
Your results may vary under different conditions.

Gansons Integrated Granulation Suite

A Force Multiplier of Collective and Individual Excellence



Gansons Planetary Mixer

The Semisolid Dosage Form Specialist



Gansons Planetary Mixer mixes, emulsifies, blends, de-aerates and distributes a wide variety of materials of different viscosities, textures and sizes. It can be used as a single pot processor in the production of materials ranging from cosmetic gels to toothpastes. It performs particularly well while handling high viscosity materials that are difficult to mix. Its main features are:

- Optional addition of high-speed homogenizer
- Provision for steam heating and cooling
- Easy retraction of mixing bowl for rapid and convenient cleaning
- Capability for vacuum applications

Gansons Nauta

Signature Line



Gansons Nauta successfully achieves intimate blending of powders or pastes in a short mixing time and has demonstrated measured superiority in a wide range of processes.

Gansons is one of only three global official licensees of Nautamix B.V. (Holland). With over 1,000 **Gansons Nauta** sold over 40+ years, Gansons is the only manufacturer that has comprehensive knowledge and experience across the broad range of applications that this remarkable machine processes easily.

With its outstanding knowledge, execution, quality and customer support, Gansons is the best choice for your next conical screw mixer/processor.

Gansons Multimill

Economic Milling Guaranteed



Gansons Multimill is a simple processing solution for sizing of relatively larger solid particles or lumps into comparatively smaller particles with narrow particle size distribution. It has a very small footprint and wide applications.

Gansons Sifter

Sifting, Grading and Sizing Solution

Gansons Sifter enables the efficient removal of extraneous foreign matter, oversized particles, agglomerates or fines generated during processing to precisely produce a high quality product of desired particle size range. The robust design minimizes chances of metal shedding and product contamination.



Gansons Material Transfer Systems

Reduced Material Loss



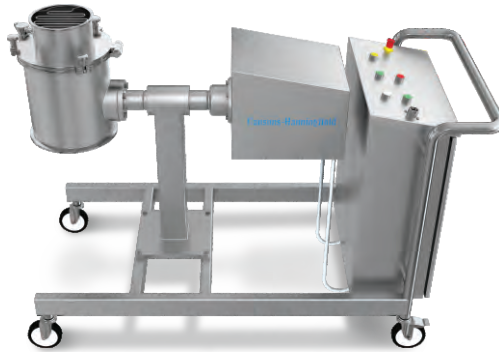
Lifting and Positioning Device



Vacuum Transfer System

Conical Mills by **hanningfield**

Controlled Particle Size Distribution



Hanningfield Uni-Mill is a conical mill designed for high-integrity milling processes in the pharmaceutical, food, chemical and related industries. They are suitable for a wide range of applications and offer full process scalability from laboratory to pilot to production scale.

Features and Benefits:

- Higher throughput
- Stand alone and in-line integration design
- Low heat, dust and noise
- High energy efficiency
- Tighter particle size distribution

Customizable (where applicable):

- Autoclavable mill-head
- CIP, WIP & nitrogen purging
- Temperature monitoring
- ATEX compliance
- Pre-breakers

Sifters by **hanningfield**

High Capacity Screening in Less Time



Hanningfield Kwik-Sift guarantees material integrity through the capture of alien objects. To achieve different grades of separation, various drum mesh sizes are available to meet different application requirements.

Features and Benefits:

- Fast and effective powder screening with 360° discharge
- Single/Dual spoiler arm arrangement
- Suitable for vacuum charging and discharging
- Compact, in-line design

Gansons Diffusion Blenders



Double Cone Blender



V- type Blender



Octagonal Blender



Bin Blender

- Gansons diffusion blenders have precise placement of intensifiers for homogenous mixing
- All blenders include attached railings for enhanced safety
- Various capacities ranging up to 5,000 litres are available

Strip Packing Machine

The Original. The Best

Gansons Strip Packing Machine packs a wide range of products into easily dispensable strips with economy and speed.

It handles a wide variety of products such as coated and un-coated tablets of different sizes/shapes, hard and soft gelatin capsules, confectionary products including lozenges, toffees and chewing gum as well as electronic devices, among others.

It has a capacity between 500 units/minute to 2,500 units/minute. Models from 2 tracks to 20 tracks are available. Strip packing machines include value added features such as no-fill / no-foil detection systems and photo print registration systems.



Mixing solutions by

Mixing Made Easy



High Shear Batch Mixers

Ultimate Energy Saving Mixing Solutions



Built using an all-stainless steel housing shaft, mixing head and motor, the equipment is engineered with precision to wet out, disperse, emulsify, or hydrate powders for better mixing.

Features and Benefits:

- Up to 30% reduction in energy usage
- Sanitary design meets 3-A #73-01 (TPV), USDA-AMS, and USDA-Dairy standards
- CIP enabled design

DynaShear®

Inline Dual Stage Dispenser/Emulsifier

The Dyna Shear has a dual stage, tandem head design with both radial and axial stages of mixing creating excellent shear and flow characteristics.

Features and Benefits:

- Dissolves, blends, disperses and emulsifies both miscible and immiscible fluids
- 3-A compliant design #36-01 (TPV)
- Clean-in-place design



Fastfeed™

Powder Induction and Dispersion System



The Fastfeed is an integrated, skid-mounted inline powder induction and dispersion system that uses a specially designed powder suction pump and high shear mixing technology for rapid incorporation and wetting out of difficult powders.

Features and Benefits:

- Up to 70% reduction in energy consumption
- Reduces batch time in half
- Eliminates messy dusting and reduces air entrainment

Gansons

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