

Comex^{AS}

- Air Classification
- Jet Milling
- Optical Sorting
- Particle Analysis
- System Solutions

Industrial system solutions and processing equipment
for sophisticated and demanding applications

Comex

Comex AS delivers industrial system solutions and processing equipment for sophisticated and demanding applications. The main core activities are related to the technologies for *production and classification of fine powders* and *optical separation of large particles*. After significant efforts in R&D projects Comex AS provides today the latest state-of-the-art equipment together with the know-how for industrial process solutions.



Comex Headquarters located in Norway

About us

Comex AS is a spin-off company from the SIM Investment group and SINTEF Materials Technology, which is the biggest research institution in Scandinavia. Most of the technologies which are offered by Comex today were developed at the SINTEF and NTNU University laboratories in Norway. Most of the technical solutions offered by Comex are protected by international patents.

Comex mainly supplies equipment and technologies for optical separation and production of fine powders. In addition to necessary machinery, Comex also provides other control and automation equipment as well as a large range of system expertise.

What we have done

Comex AS has provided over 150 installations since 2003. System solutions and production optimization work carried out for many reference customers, have already provided revolutionary results. In some cases the Comex system solutions increased the customer's production capacity by 120% and at the same time reduced the energy consumption by 90%.

In addition, many applications of Comex technologies have resulted in positive environmental impacts, often followed by reduced CO₂ emission.



Why choose us?

Comex's products and services help our customers to ***improve the profitability*** of their production processes by implementing the latest state-of-the-art equipment, which ***improves the quality*** of the end products, ***reduces energy consumption*** and makes the production more ***environmentally friendly***.

Research and Development

Comex offers extensive test and development facilities where different materials can be accurately tested according to the customer's requirements.

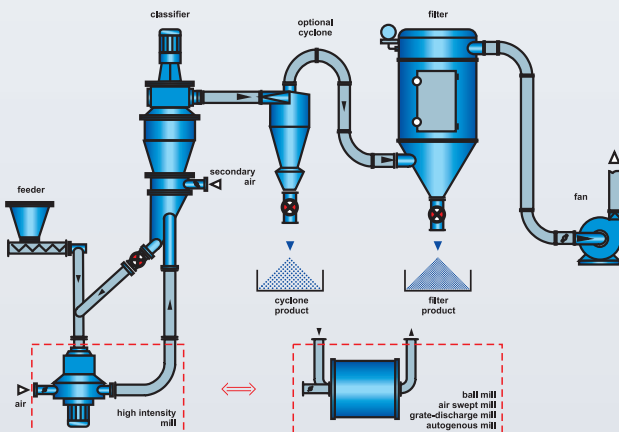
Production and Classification of Powder

Equipment for production and classification of fine particles incorporate unique world patented air classifiers and jet mills providing powdered materials in different sizes down to few microns. These materials are widely used today for different applications like fillers, pigments, coatings, medical products etc.

The UCX and ACX Air Classifier series can produce particles down to 1.5 μm in diameter and with capacities up to 100 t/h.

The JMX Jet Mill series can deliver product fineness down to 2 μm diameter. This technology is very often used for production of high purity materials and abrasive particles.

Comex air classifiers and jet mills provide high-efficiency processing and have low power requirements and low maintenance cost.



Measuring Equipment:

On-line measuring and analysis of particle size distribution which is fundamental for making informed processing decisions and improved operational efficiency.

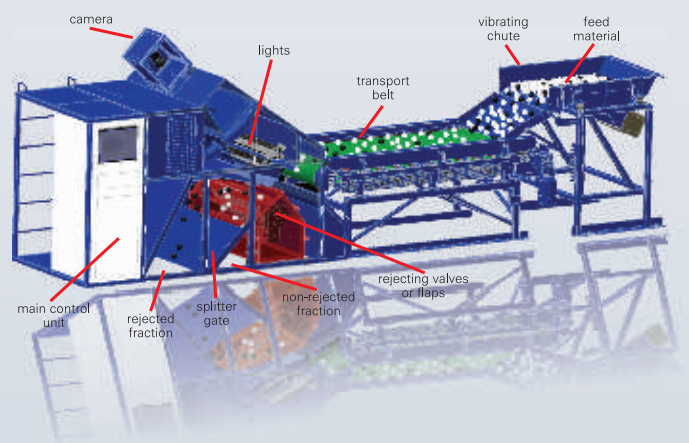


Optical Sorting of large particles

Optical separation and identification provides possibilities to identify different particles or objects and sort them based on color, size, shape and texture.

The OSX Optical Sorting series can provide capacities as high as 250 t/h, with separation efficiency up to 99.9%. Comex can also provide applications for sorting based on thermal cameras and X-ray.

Typical application areas for optical sorting systems are mineral separation, recycling of metals and waste incineration.



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