

Turbo Dryer Ecologist

Industrial plants for continuous thermal processes applied to environment



VOMM TURBO TECHNOLOGY

Turbo Dryer Ecologist is designed for the continuous drying of organic and inorganic products such as diluted or concentrated liquids, sludge and moist solids (water or solvent basis), independently of their moisture content and their viscosity.

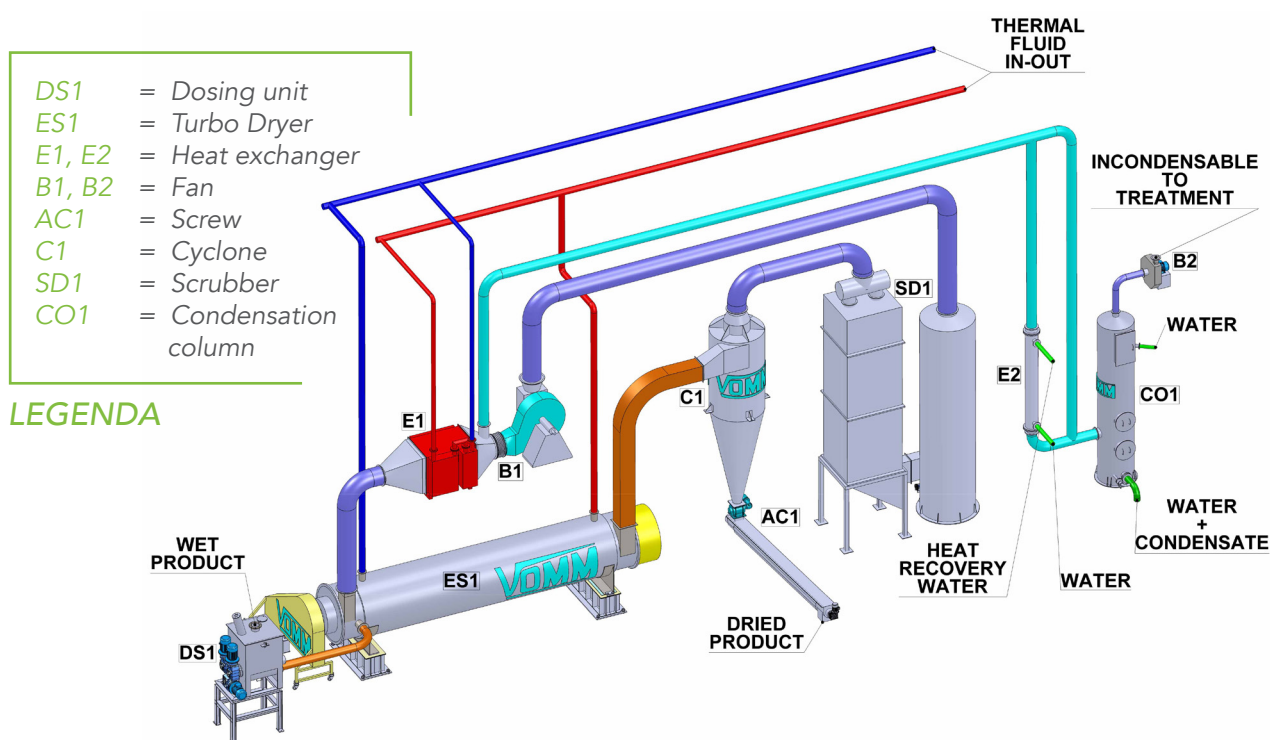
The drying process, based on VOMM patented Turbo Technology, works in closed circuit in slight depression in order to operate with "ZERO" environmental impact in atmosphere.

VOMM plant works in controlled atmosphere without inert gas consumption in full compliance with ATEX European Directives.

With more than fifty years experience on drying plant realization, VOMM Turbo Technology solution is the right equilibrium between investment and operational costs.

VOMM plants are customized for every design and capacity requirements.

DRYING PROCESS IN CLOSED CIRCUIT



LOW ENERGY CONSUMPTION

VOMM Turbo Technology guarantees a high thermal efficiency between 650-800 kcal/kg of evaporated water, depending on the specific feature of the treated product. The low energy consumption is reached thanks to the following advantages of the Turbo Technology:

- Thin film distribution
- Intensive agitation
- Reduced gas flowrate
- Excellent heat transfer coefficient
- Short residence time
- High specific evaporative surface

GRANULATION AND DRYING

Thanks to the remarkable flexibility, the Turbo Dryer Ecologist can treat sludge with different characteristics in order to obtain homogeneous products with the required final moisture content.

The granules are suitable for any following steps:

- Incineration
- Disposal in garbage landfill
- Energy valorization
- Cement factory/Power station
- For composting
- Co-incineration
- Pyrolysis and gasification
- Agricultural valorization



SANITIZATION AND STABILIZATION

Sludge, organic waste fraction of Municipal Solid Waste and other organic waste are characterized by high microbiological charge, including pathogenic germs.

Thanks to the thermal shock treatment, Turbo Dryer Ecologist permits to obtain a "Super-Sanitized" product, stabilized in compliance with US-EPA Class A for an unrestricted agricultural use.

THERMAL VALORIZATION / WASTE TO ENERGY

VOMM produces systems for thermal valorization of sludge and biomass to reach the self-sustainability on thermal energy requirement or to produce electric energy from renewable sources.

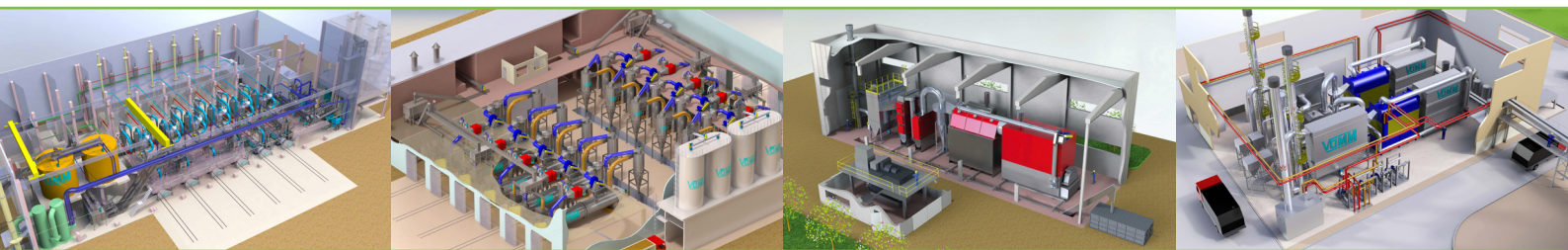
TEST ROOM

Test room and a skilled staff lead you on the full evaluation of your products using VOMM semi-industrial equipment.



ISO 9001/2015

All VOMM procedures are executed according to ISO 9001/2015 quality assurance program.



*Impianti e Processi S.p.A.
Via Eugenio Curiel, 252 - 20089 Rozzano (MI) Italy
Phone +39 02 5751 0808
info@vommm.it - www.vommm.it*