

Nuova Impianti has a long-term, practical experience in design, manufacturing, installation and maintenance of **air treatment, dedusting, flue gases cleaning and noise-pollution deadening plants.**

The experience gained by Nuova Impianti in several world's countries has allowed to provide its Clients with the most appropriate solutions for depuration of polluted air, with **air suction and dust collections.**

Over the years Nuova Impianti has been specialized in the field of wooden panels, with the production of machinery of own technology for the **wood shaving recovery.**

Nuova Impianti proposes itself, in cooperation with highly qualified firms, to offer good solutions for **new technologies for a sustainable use of wood biomass.**



**Air treatment and Dedusting Plants
Flue Gas Cleaning System**



Nuova Impianti aims to design and manufacture the plants in compliance with all main european rules/ directives:

- Machinery Directive
- Low Voltage
- Electromagnetic compatibility
- ATEX directive
- ISO standard for noise
- EN1090 for support structures
- CE marking for each component

Headquarter

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Air treatment and Dedusting Plants

The Nuova Impianti product range for suction and filtration in the wood sector ranges from the small trolley-mounted suction and filtering unit to the centralized suction and filtration system for large production firms.

Filtering units can exploit the separating action of a medium, such as **bag or cartridge filters**, or be based on mechanical separation, such as **cyclones**.

The industrial fans can be either for clean air or for flows with a high concentration of particulates, depending on whether they are systems with the filter under pressure or under vacuum.

The company also **produces silos for storage, chip extractors and systems for the movement and discharge of filtration residues**, such as screw conveyors as well as conventional system drying and timber treatment plants.

OUR PRODUCTS

- ✓ Bag Filters
- ✓ Cyclones
- ✓ Cartridge Filters
- ✓ Silos
- ✓ Chip extractors
- ✓ Handling systems
- ✓ Screw conveyors
- ✓ Pneumatic transport
- ✓ Drying and timber treatment plants
- ✓ Separator for wood shaving recovery



.....for MDF, CHIPBOARD, OSB, ETC



Air treatment and Dedusting Plants

Nuova Impianti offers proven technology and a high fuel flexibility from traditional wood chips to agricultural residues with higher chlorine and alkali content.

Our typical Systems for Biomass plants can include:

- Dry flue gas cleaning plant: a dry absorber followed by a Pulse-Jet fabric filter.
- Semi-dry flue gas cleaning plant: a Gas Suspension Absorber followed by a Pulse-Jet fabric filter.

In addition to the relevant BAT (Best Available Technique) for flue gas treatment that is available, Nuova Impianti also offer full biomass, sorbent and ash (APC Residue) - handling systems.

OUR PRODUCTS

- ✓ Spray dryers
- ✓ Dry Reactors
- ✓ Bag Filters
 - ✓ ESP
 - ✓ Cyclones
- ✓ Reagents Silos
 - ✓ Activated Carbon mills
 - ✓ Sodium Bicarbonate mills
- ✓ Handling systems
 - ✓ Screw conveyors
 - ✓ Pneumatic transport



Flue Gas Cleaning System

The purpose of a flue gas cleaning system is to reduce atmospheric emissions of substances hazardous to the environment and health.

This includes e.g. heavy metals, dioxins and substances that cause acidification and eutrophication.

The Emission Limit Values (ELV) imposed by local legislations are increasingly stringent.

Nuova Impianti is able to offer fully assembled installations for cleaning flue gases generated by metal, chemical and process industries.

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Flue Gas Cleaning System

The combustion of waste results in the production of a mixture of gases containing pollutants such as carbon dioxide, sulphur dioxide, dust and soot, as well as nitrogen oxides, heavy metal bearing fumes and unburned hydrocarbons.

The pollutants can be removed from the flue gases by using the latest flue gas cleaning systems.

Nuova Impianti offers fully assembled installations for cleaning flue gases generated by the incineration of e.g. hazardous municipal and industrial waste and the combustion of biofuels.

Our flue gas cleaning systems are customized to meet our customers' specific requirements.

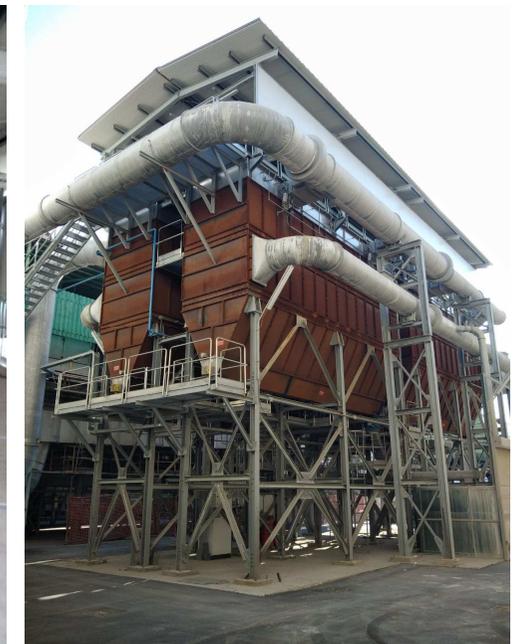
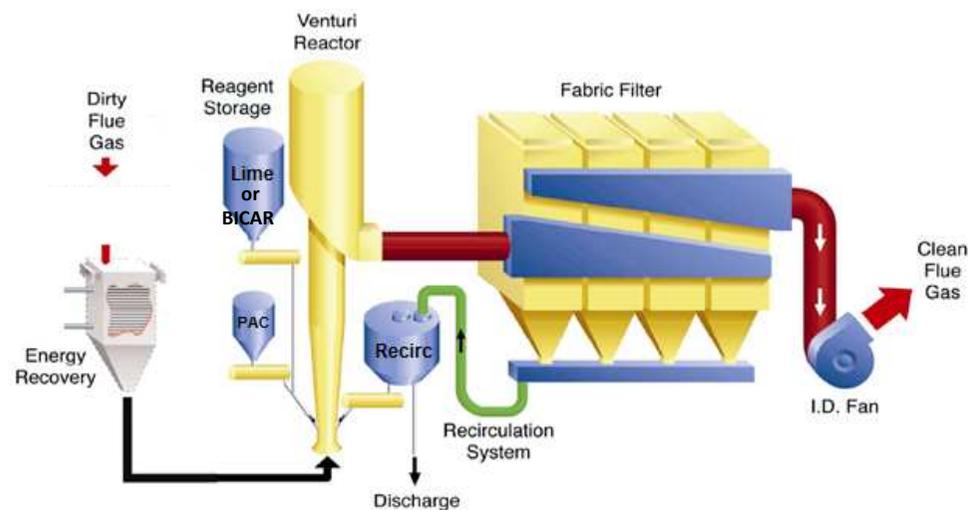
OUR PRODUCTS

- ✓ Spray Dryers
- ✓ Dry Reactors
- ✓ Bag Filters
 - ✓ ESP
 - ✓ SCR
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.....for INCINERATION



THE PROCESS OF OUR DRY SYSTEM





LinkedIn



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