



skooter.it

PAINTING SOLUTIONS

P

COIMAGROUP 

*Solutions for extraction,
biomass and painting systems.*

*Italia_ Fano PU _ +39.0721.855.400
info@coimagroup.it _ www.coimagroup.it*



ED 03.2016

COIMAGROUP 

*Solutions for extraction, biomass and painting systems
in more than 30 Countries around the world*



Coima was born in 1982 in one of the most important Italian areas for industrial manufacturing and furnishing production.

It is mainly focused on the wood sector but over the years Coima's experience has also spread out in other fields such as mechanical, plastic and agroindustrial operations, as well as any industrial field with the need of using air as the vehicle for the removal of wasting material, both solid and gas.

From the very beginning the company has been specialized in design and installation of suction, filtering and storing systems for waste or gas arising from machinery operations, but not exclusively. The key characteristic of Coima's business proposal is its solutions, thanks to which the productivity, the efficiency of machineries and waste recycling are combined in a single proposal designed and created for the customer.

Coima's solutions expand to painting systems for any type of manufactured goods and to biomass treatment, such as thermal plants for water heating or steam production, and also briquettes and pellet industrial manufacturing system.

**EXTRACTION
FILTERING
PAINTING
BIOMASS
SOLUTIONS**

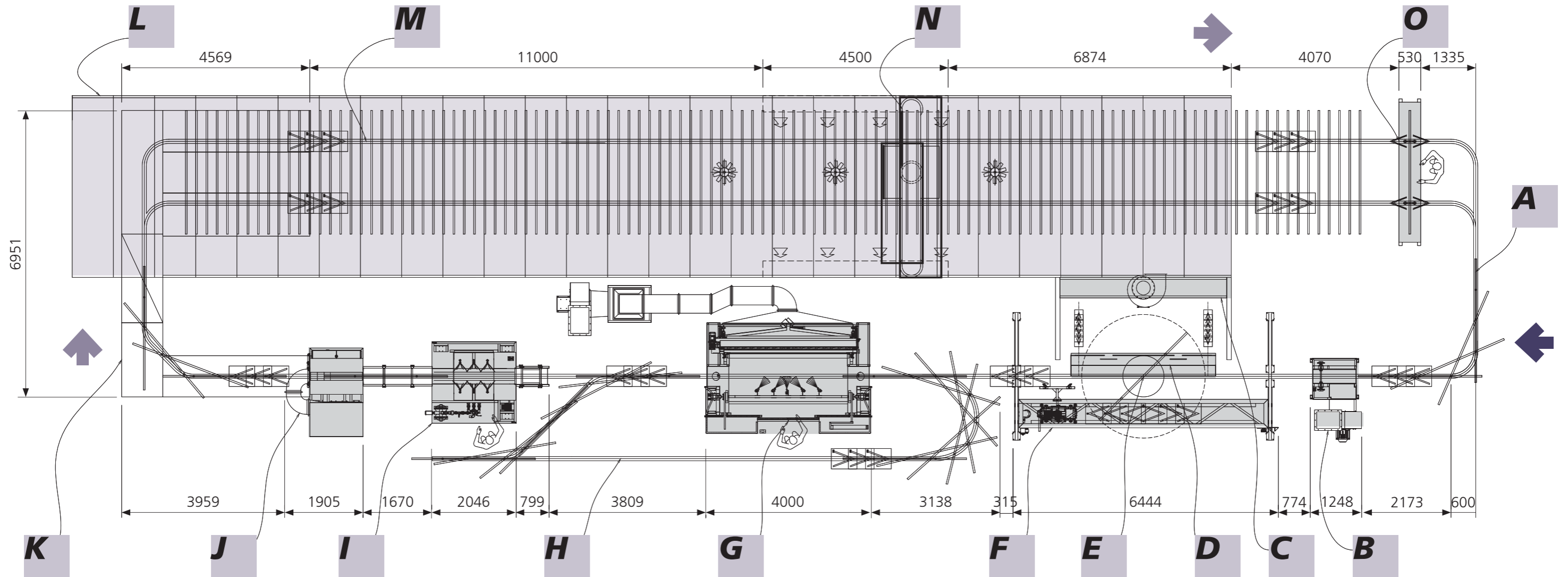


COIMAGROUP 

*Solutions for extraction, biomass and painting systems
in more than 30 Countries around the world*

PAINING SOLUTIONS MADE IN ITALY

- A** *air conveyor*
- B** *dust blower*
- C** *painting booth*
- D** *paint recovery system*
- E** *bar rotation system*
- F** *automatic painting machine mod.Centurion*
- G** *automatic painting machine mod Givi3000*
- H** *turn-around rotation system*
- I** *flowcoating impregnation system*
- J** *blower*
- K** *drip system for impregnating recovery*
- L** *delimitation for drying tunnel*
- M** *bar storage warehouse*
- N** *air treatment system for drying*
- O** *loading/unloading elevator for material*

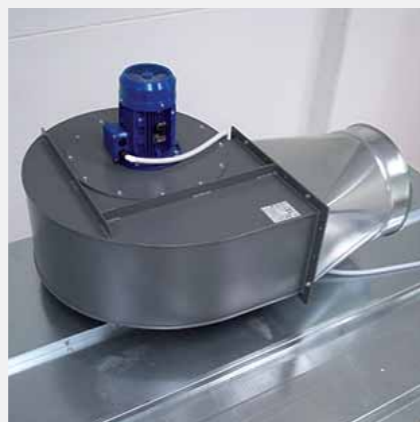


CVS

dry painting booth

Booth entirely made of pressure-bent galvanized steel panels which allow suction and abatement of pigments and fumes from spray painting with synthetic, organic and water-based solvents. The filtration of paint pigments is done by a suction wall of corrugated cardboard (first stage of coarse filtration) and by a synthetic fiber filter stored in easy-to-extract drawers (second stage of fine filtration).

- Possibility of adding a stage of **active carbon filtration** for the removal of solvents odours.
- Also available with **interior lining and pre-filtration with non-stick plastic panels.**
- **Management of the air flow rate through the inverter** is also possible.
- **Atex compliance** on request.



CVA

spray booth with water curtain

Booth entirely made of pressure - bent galvanized steel panels which allow suction and abatement of pigments and fumes from spray painting with synthetic, organic and water - based solvents.

The filtration of paint pigments is done by a water curtain which flows on a prepainted galvanized metal sheet wall (first stage of coarse filtration), a droplet separator and a synthetic fiber filter (second stage of fine filtration), both stored in easy-to-extract drawers.

- Possibility to choose between **single or double water curtain.**
- **Management of the air flow rate through the inverter** is also possible.
- **Atex Compliance** on request.



CVP

non-stick plastic painting booth

The booth, entirely made of patented and sturdy **non-stick plastic material**, allows suction and abatement of pigments and fumes generated by spraying of synthetic solvents and organic and water based painting.

In the dry booth, the first stage of coarse filtration, which stops about 90% of the overspray, is achieved through the non-stick panels, extremely easy to clean. The subsequent filtration is done through a suction wall made of corrugated cardboard and a filter in synthetic fiber housed in easy-to-extract drawers.

- Possibility of adding a stage of **active carbon filtration** for the removal of solvents odours.
- **Automatic management of the suction air flow rate through the inverter.**
- **Compliant with ATEX.**



RVM

fixed wall paint recovery system



It is composed of a wall, entirely made of sturdy non-stick material, which is interposed between the part to be painted and the suction booth. **It allows the recovery of about 90% of the overspray**, i.e. paint that is normally wasted because it does not adhere to the painted part. The wall is maintained constantly humidified by adjustable nozzles, so as to always maintain the correct viscosity of the paint.

At the end of the processing cycle the paint that adheres to the wall can easily be collected with a blade, filtered, mixed with new paint and **fully reused**, keeping the **same chemical characteristics of the initial product**. This allows a **45% reduction of the cost of paint and 90% of the cost of the booth filters**. The wall can come with integrated suction, also sliding on guides, so as to move away from the operator and allow the rotation of the piece holder bar, where an automatic painting plant is being used. This is compatible only with single-component water-based paints.

RVA

continuous belt system for paint recovery



It consists of a sliding belt, entirely made of sturdy non-stick material which is interposed between the part to be painted and the suction booth. **It allows the recovery of about 90% of the overspray**, i.e. paint that is normally wasted because it does not adhere to the painted part. The belt is maintained constantly humidified by adjustable nozzles, so as to always maintain the correct viscosity of the paint.

The paint that adheres to the wall can easily be collected with a blade located on the back side of the machine; once it is filtered and mixed with new paint, the paint can be **fully reused**, keeping the **same chemical characteristics of the initial product**. The machine automatically cleans the floor at the end of the cycle, allowing **fast color changes**. This allows a **45% reduction of the cost of paint and 90% of the cost of the booth filters**. The wall can come with integrated suction, also sliding on guides, so as to move away from the operator and allow the rotation of the piece holder bar, where an automatic painting plant is being used. This is compatible only with single-component water-based paints.

CAP

sanding dust booth

Booth made of galvanized steel, available in different dimensions (customised solutions on request), for the suction of dust clouds resulting from sanding operations; it allows the immediate removal of the cloud from the operator.

Available in versions for connection to central vacuum system or as stand-alone unit, equipped with filter cartridges **with pneumatic cleaning system through counter-current compressed air jets** and integrated suction that ensures proper suction speed on the entire suction surface.



UTA_UTA-R

air handling units for pressurization, heating, cooling and recycling

Fan coil, coated in polyurethane foam double sandwich panels, used for the pressurization, heating and cooling of the workplace. It contains a water-air heat exchanger (2 or 4 sets), a low-noise centrifugal fan and a class G4 or higher filter. Also suitable for the temperature control and pressurization of workplaces such as painting booths.

Also available in vertical configuration. Upon request, a battery-powered cold-water cooling system can be provided.

The UTA-R version includes a cross-flow exchanger through which it is possible to recover some of the heat that would otherwise be lost to the atmosphere, by preheating the incoming air.



BOX

pressurized chamber for coating/drying

This is a room made of **self-supporting insulating sandwich panels**, covered with pre-painted galvanized steel. It is suitable for painting and drying operations in a **completely dust-free and controlled temperature atmosphere**. It may contain dry or wet painting booths or sanding benches or booths, pressurization units and hot water heating or, on request, heating through (gas or oil) air jet burners.

Box can be fully customized in both size and configuration.





DEF
sludge treatment plant

Device used for the separation of paint particles contained in water; It is composed of a reaction tank (PVC or stainless steel) where the dirty water is reacted with a flocculant which causes the agglomeration and precipitation of particles contained therein; the sludge precipitates are then collected in a special polypropylene container bag and the purified water is recirculated and reused in the painting booth through the pump supplied.

Capacity of treatment: from 1000 to 4000 liters per decanting cycle.



FCA
activated carbon filter

Filter suitable to the **reduction of odors, solvents and other gaseous pollutants** in low concentration.

It is custom-made in galvanized sheet, with easy-to-extract drawers to contain the active carbon, for easy maintenance.



BAP
stand-alone suction bench for dust suction

Galvanized sheet workbench with suction from the bottom and from the sides, to carry out sanding operations in total safety thanks to the suction slots on the work top, covered with scratch-resistant felt (optional).

Equipped with filter cartridges with **pneumatic cleaning system by means of countercurrent compressed air jets** and integrated suction that ensures proper suction speed on the whole surface.

IVV
vertical automatic painting system for doors, windows, etc.



Custom-made plants for the handling, coating and drying of manufactured items, to be used in the wood, plastic and metal industries.

Our range of solutions goes from very small and cheap plants, such as simple manual chain conveyors and adequate painting booths to fully automatic highly technological installations, where the components in contact with paints are made of non-stick plastic material, flow-coating for automatic impregnation, painting robots, both anthropomorphic and Cartesian, characterised by high productivity and reliability, paint recovery systems, drying tunnels, loading/unloading elevators and whatever is required by the client in order to achieve the highest levels of productivity and automation.

FLC
flow coating



Booth for the automatic impregnation of items, entirely made of thick non-stick material to allow easy cleaning and maintenance of the machine and at the same time guarantee the sturdiness of the structure.

It is equipped with a pneumatic double - diaphragm anti-foam pump and low consumption nozzles, also made of non - stick material. Thanks to the nozzles movement on vertical rails, the unit can also work with just 7 liters of impregnating product.

It is possible to equip it with an automatic cleaning system to allow changing the color in a few minutes. It is also possible to have an automatic clarification of the cleaning water with sludge separation (optional).

Coima designs and installs painting plants from suction walls to automated and robotic systems in order to improve the quality of the products preserving operators and working environment.

CoimaGroup, specialized in painting systems.