

Powder coating booths

Manual booths

- High work efficiency
- Reduction of labor costs
- Intelligent and intuitive control



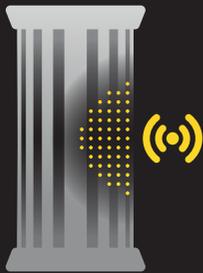


PLC control with 4" touch panel

ROMER booths are equipped with 4" touch screens.

The booth operation is intuitive and takes place in 3 modes:

- Automatic (timed)
- Automatic (based on the clogged filter sensor)
- Manual



Filter clogging sensor

The booths are equipped with a sensor that puts the filters in a queue for cleaning if they become clogged.

The system also informs you when the filters are worn out.



Automatic filter cleaning

The electronic automatic filter cleaning system has the ability to adjust the cleaning frequency and single cleaning time.

Each filter is cleaned separately,

the filters can also be cleaned using a dedicated button.

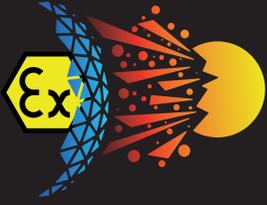
We know from experience that it is difficult

to force the operator to clean the filters, thanks to this system the operator will no longer have to remember about it.



Low volume

Aluminum fans are very quiet, they operate at a level of 74-79B – which is not much. With the standard cabin design, it's hard to even talk.



Prevention the formation of an explosive mixture

The booths have been designed to prevent the formation of an explosive mixture during the painting process. Each component has been carefully selected to minimize this risk.



Aluminum fans

Aluminum fans are safe, they do not cause sparks if they rub against metal elements – which may otherwise result in an explosion.

Thanks to their weight, they save energy and consume small amounts of electricity. They are also very quiet, operating at a level of 74–79dB. The engine is built into the booth structure, which makes the booth lower.



Leakproof installation of filters

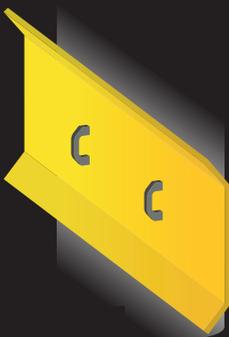
Thanks to the use of mounting flanges, assembly and disassembly of the filter becomes very simple.

The screw used to tighten the seal improves the tightness of the filter (compared to a bayonet filter), which increases the draft power of the booths and improves the quality of filtration.



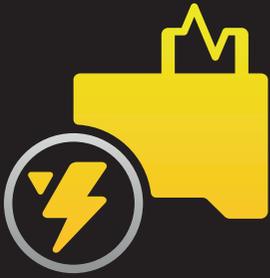
Explosion detection sensor [option]

In accordance with the latest European standards, we install explosion detection sensor inside the booth. The sensor installed detects a fire in a fraction of a second and disconnects the electrical power to the system.



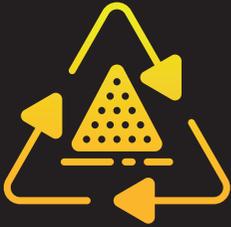
Adjustable air draft

An antistatic plate is installed in the booth to cover the filters. Among other things, it protects the filters and stops the first wave of powder. In a well-designed booth, it improves the speed of air entering the filters by flowing around the painted element. This facilitates the painting process itself and significantly contributes to improving the draft and thus the working conditions of the paint shop. The height of the plate can be adjusted using the mounting holes.



Low power consumption

Thanks to the use of light steel alloys in the production of our rotors, they have become incredibly light. Fans require small amounts of electricity to rotate such a rotor, thus saving energy.



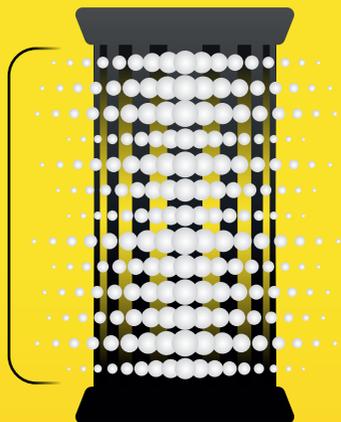
Powder recovery

By recovering materials, you save money, and you can collect the powder from the booth and reuse it. The recovered powder must be sieved for reuse.

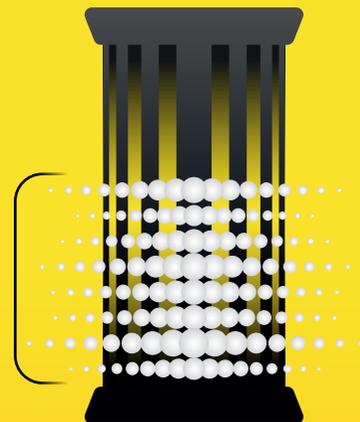


Long filter lifespan

The thickness of the material used in our filters meets the highest standards; it is made of polyester and has a large filtration surface. This standard is used in the most expensive automatic lines designed to filter out tones of paint. For comparison, there is a cheaper type of filter containing cellulose (paper) instead of polyester.



romer® JET



Different kind



A tank is installed in the booth - a filter cleaning buffer. In a fraction of a second, air under pressure is released from the tank, then passing through the ROMER JET™ nozzle, it expands at high speed, escaping through micro-holes, effectively cleaning the filter - the powder falls into the booth.