



RIMÓCZI
FILTERS

**PROFESSIONAL INDUSTRIAL
FILTER TECHNOLOGY**

ABOUT

We manufacture and distribute high quality industrial filtration, environmental protection products and complete systems in custom sizes to meet specific plant requirements. In addition to the production of air, liquid and dust filters in our product portfolio, we also provide full engineering, design, construction and maintenance services.

Our company was founded in 1992 as a private enterprise, our main profile was the production of filtration products. In 1996, Rimóczi & Partners Ltd. was established at the current Budapest site, and in 2006 it was expanded with a manufacturing unit in Rudolftelep, which has since 2013 been expanded with its own new-built plant. In 2018 we opened our own subsidiary to the Western Balkan market (Rimoczi Filters d.o.o.).

In 2021, a new business area was introduced: additive 3D printing technology. A GE Dual Laser Printer is used to serve our partners in the chemical and pharmaceutical machinery industries. In parallel, we are working on the introduction of an oil adsorptive technology to revolutionize the way we do business. We would like to develop a technology for the remediation of environmental oil spills.



Our aim is to fully understand and understand the needs of the pharmaceutical, automotive, food, chemical and specialized users and other industry players, so that we can offer them solutions that fully meet their expectations, by producing our own and proprietary products based on their specific needs.

We are committed to continuous development, improvements, environmental protection, energy efficiency and efficient maintenance services based on collaboration and flexibility.

We are proud of our ever-expanding permanent team, each member of which contributes to the realization of projects and goals with commitment, energy and new ideas.

FIELDS OF APPLICATION

- Pharmaceutical industry
- Automotive industry
- Chemical industry
- Oil and gas industry
- Food industry
- Metalworking, casting technologies
- Surface treatment technologies
- Industrial dust separation
- Water treatment, wastewater treatment technologies







Pharmaceutical filter inserts

- Fluidised bed drying bags with FDA certification for all machine types
- Spark plug filter systems
- Integrity tested PES, PVDF, GF membrane filter cartridges, capsules
- Filter bags, candle filter inserts
- Centrifuge bags, centrifuge plates, filter discs
- Cleanroom filters



Liquid filtration equipment, filter cartridges

- Bag filter systems, filter inserts
- Cartridge liquid filtration systems, filter inserts
- UF and RO modules
- Dirt traps, basket filters
- Removable/self-cleaning filter systems
- Emulsion filter rolls
- Filter strips

Sludge treatment, dewatering

- Manufacture and servicing of filter presses
- Confectioning and custom manufacturing of press cloths, filter cloths
- Filter belts for drumsticks
- Manufacture and repair of vacuum filter belts
- Complex waste water treatment solutions from design to implementation
- dust collector filters

Customized dust and oil mist separators

- Compact and mobile filter units
- Local extraction equipment
- Bag filters, pocket filters in all sizes and models
- Filter cartridges in custom and standard designs
- Panel filters
- Active carbon filter cartridges industrial ventilation

Air handling equipment

- Bag and Z filters
- Compact filters
- Sterile and HEPA filters
- Paint mist separators
- Filter duvets



ENERGY-EFFICIENT EXTRACTOR AND AIR TREATMENT SOLUTIONS

Industrial technologies and manufacturing processes generate dust, fumes or mixtures of dust and fumes in many different ways. The extraction, discharge and collection of these contaminants with the highest efficiency is critical for health, safety and economic reasons. However, the regular ventilation and air change in

production halls is also recommended for technologies that do not require extraction. Apart from health and environmental objectives, the energy efficiency of exhaust and ventilation systems is becoming increasingly important.



Applications:

- Grinding, milling, granulation
- Machining
- Painting, surface treatment
- Sanding
- Cutting technologies
- Dosing, filling
- Coating, tableting

Our solutions::

- Energy efficiency, technical assessment, proposal with cost-benefit analysis
- Full engineering support, turnkey system design and implementation
- Explosion proof systems with ATEX certification
- Compact dust collection systems with integrated HEPA filter unit
- Central exhaust systems with air recirculation, air handling
- Design and construction of energy efficient hall cooling and heating systems, air handlers
- Ongoing service, periodic or ad hoc maintenance



Local exhaust systems

The most effective way to extract dust, fumes or oily vapors from industrial processes is to extract them in the immediate vicinity of the point of emission. We offer solutions tailored to the task, according to the plant's needs. These systems are equipped with fine filters, keeping the exhaust air inside the hall without requiring air replacement, often complemented by basic hall air management solutions.

- Local exhaust units in mobile or fixed, arm or umbrella design
- Centralized installations with simultaneous or per-unit extraction of several working points
- Extraction workbenches for sanding, repair or other tasks requiring extraction



Hall air ventilation systems

Centralized installations with simultaneous or per-unit extraction of several working points. Extraction workbenches for sanding, repair or other tasks requiring extraction hall air ventilation systems.

In the case where it is not possible to extract directly at the point of emission or where it is not possible to install ducting above the workstations, other means of extracting the smoke and dust generated shall be used. These systems, based on continuous recirculation of the hall air, are either stand-alone solutions or solutions that can be used as a supplement to local exhaust ventilation.

A major advantage of these systems is energy efficiency, as the heat energy generated inside the hall is recycled with the clean air, resulting in energy and heat savings of up to 70% compared to an extraction system outside the hall.

Hall ventilation systems can be well complemented by other air handling systems, such as cooling-heating systems.

- Exhaust ventilation / stratified air ventilation
- Push-Pull system
- Simple air exchange

VOC emission reduction

The emissions of so-called Volatile Organic Compounds (VOCs) from various solvent technologies and the increasingly stringent environmental regulations in this area are a growing challenge for the industries concerned. The largest emissions are generated by printing, painting, woodworking and pharmaceutical activities, where VOCs can be diffusely emitted mainly during ventilation, filling and emptying of storage facilities, open air storage of solids, ventilation openings and solvent processes.

Whether it's reducing VOC concentrations or recovering VOCs for solvent technology, we provide a complex solution.

Oil mist separation systems

In the machining of metal parts, ceramics, oil emulsion or pure oil or other synthetic fluids are used to cool or lubricate fast rotating parts. The oil mist and fumes released during machining contain toxic substances with a particle size of less than 1 micron, metal residues, which can be seriously harmful to the human respiratory system if inhaled, or even cause skin or eye irritation. In addition, the oil mist can form a film on surfaces and contaminate the air handling system, machinery and equipment, and create an accident-prone surface on the floor.

In a typical plant, without filtration, the concentration of oil and emulsion mist can be well above the 5 mg/m³ limit in Hungary. Ideally, the concentration should not yet be less than 0.3 mg/m³.

Local and centralized design solutions:

- Mechanical, three-stage separation system
- Electrostatic filter





OUR SERVICES

Operation and maintenance

Our experienced maintenance team undertakes the cleaning of dust collectors, the replacement of filter cartridges and bags, the conversion and installation of filter housings.

We undertake the maintenance and possible repair of refrigeration and drying equipment, maintenance, cleaning and disinfection of air handling systems for the pharmaceutical and food industries.

In addition to cleaning and maintenance of liquid filter systems, we also replace filters and remove used filters if necessary.

Air duct cleaning

Despite regular replacement and maintenance of the filter units in plant air-conditioning systems, dust and contamination from process extraction can accumulate on the surface of the ducts. Depending on the application, the ducting systems for extraction and injection points may need cleaning after only 1-2 years of operation.

Due to the accumulation of dirt, regular cleaning of air ducts and maintenance of air handlers is not only essential for health and fire protection reasons, but the accumulated dirt also significantly increases the air resistance of the air duct, thus resulting in higher energy consumption to achieve the desired air volume.

Our company undertakes complete dry cleaning and disinfection of industrial ventilation systems, filter manufacture, replacement and periodic maintenance using Danduct Clean™ robotic technology.



Filter cartridge cleaning, regeneration

- Complete cleaning and regeneration of dust collector filter cartridges
- As a complete service, we also provide installation, assembly and delivery on request
- Pharmaceutical company audited cleaning technology
- Microbiological compliance testing
- Short deadline



Filter technology management

With our complete filter management service, we provide 'just-in-time' manufacturing, replacement, maintenance, warehousing and, if required, individual delivery of filters and related equipment, tailored to your production and maintenance needs.

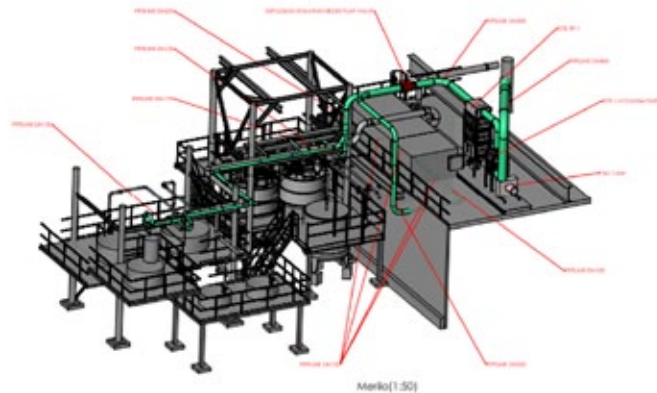
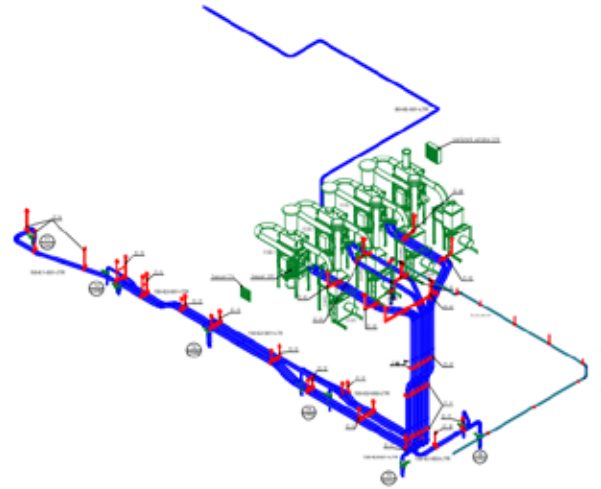
In addition to filter delivery, we carry out filter replacement, filter cleaning and the maintenance and operation of filter equipment, following a preliminary assessment and contracting. We undertake the certification and maintenance of filter equipment

Engineering tasks

We measure the parameters of the filter units (pressure drop, filtration efficiency measurement, flow test, ... etc.) on a pre-agreed regular basis, and replace the filter or the filter unit in case of insufficient filtration performance or wear.

Our engineering services

- 3D space scanning
- Design of industrial installations, piping networks
- Building services engineering
- 3D metal printing, product development
- Engineering and technology consultancy





INNOVATION AND PRODUCT DEVELOPMENT

3d metal and plastic printing

FLONO Additive Kft was founded in 2021 by two professionals, Gábor VARGA and Zsombor KASZÁS, who are focused on the development of additive manufacturing and related services in Hungary and on serving international customers.

We support a wide range of industries with comprehensive engineering solutions and research and development activities. Amongst others, we design and carry out specialized development work on various components for chemical and pharmaceutical machinery. We are also open to analyzing and solving any new problem.

We design parts, print metals, combine different fields and want to produce what does not exist today. We focus on future solutions and innovations.

Tailor-made engineering solutions:

- 3d printing GE Concept Laser M2 Cusing dual laser 3d printer with Powder Bed Fusion technology
- 2x400 W laser suitable for printing austenitic steels, aluminum, titanium and their alloys, tantalum and niobium
- Inert atmosphere with nitrogen or argon
- 3D scanning tasks
- Simulations
- Parametric development for 3D printing



ROTO Tank systems

As the Hungarian representative of ROTO GROUP d.o.o., with 50 years of experience in the plastics industry, we provide complex solutions for industrial and residential wastewater treatment, logistics and storage. The ROTO Group consists of 10 companies operating in four European countries.

With more than 4,000 products in the 50 m³ category and over 3 million kg of polymers processed annually, we are one of the leading European companies in the European plastics industry producing with rotomolding technology. With our own development and production department, we introduce many new products to the market every year, constantly expanding our range. On average, two new products are developed every week to meet the needs of our users. With our functionally designed products we ensure their added value, increase the quality of production, offer sales services and perform component fitting in plastic products, offering our customers a complete problem solution. We use intelligent materials and modern production techniques.

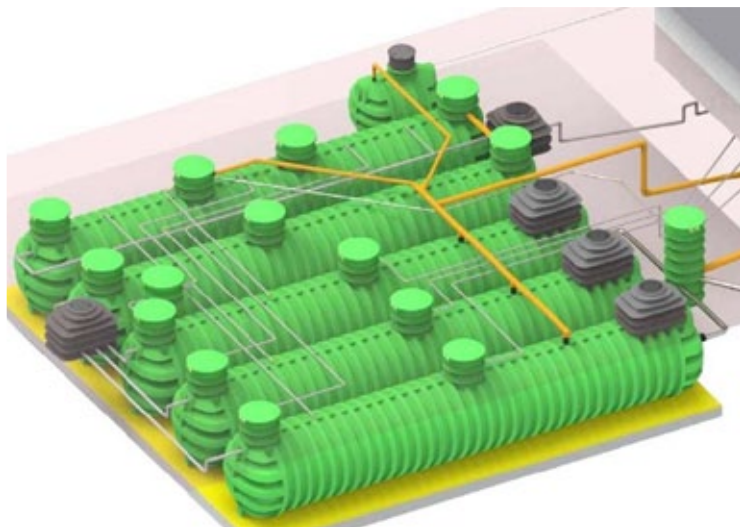
Our main products and solutions:

Tanks:

- Rainwater harvesting tanks
- Residential and industrial wastewater treatment plants
- Oil-separators
- Fat separators
- Pump stations

Plastic pallet systems for pharmaceutical and food industry applications:

- High capacity pallets up to 3000 kg
- B1/B2 pallets for paper industry applications
- Ultralight pallets
- Hygiene pallets
- Telescopic pallets



ECO Frame System

The ECO Frame filter cartridge is an environmental rethink of the air bag filter cartridge. Conventional filter cartridges have frames made of galvanized metal or plastic, which cannot be dismantled when permanently glued, so the filter and frame, which is considered hazardous waste, must be discarded.

When installing an ECO Frame filter system, the frames are purchased for the first time, after which the insert can be replaced, resulting in short-term savings and more responsible waste management. In the case of ECO Frame, the filter material to be disposed of can be completely destroyed in an incinerator, and is also smaller in size and weight than conventional filters, as the filter frame is not destroyed but remains with the user.

This means that, compared to conventional filters, on average 1 less kilogram of environmental burden from non-recyclable scrap metal per filter cartridge is created.

The filters are available from G4 to F9 filtration fineness according to EN779, The frames are made of powder coated steel, which ensures a lifetime of operation, so only the used textile filter cartridge needs to be treated as waste, which can be 100% disposed of! Available in any standard or custom size in 25 or 20 mm frame thickness.



FILTER PRODUCTION IN PREMIUM QUALITY

In our assembly plant, we manufacture filtration components for a wide range of industries in Hungary, but the most significant part of these is the production of products for the pharmaceutical and food industries.

Our product portfolio includes traditional staple fiber fabrics, a wide range of non-woven fabrics and mono- and multifilament filter fabrics created using the latest yarn production technology. The raw materials used are selected and recommended to our customers according to the physical and chemical requirements of the application.

The finished product to be produced can be sampled from a sample taken or sized on site. Our specialists will visit our customers, when the operating conditions at our partner's premises allow, at a pre-arranged time, to take an accurate on-site measurement of the machine in which the product will be used.

Based on the data received, our tailor will draft up the technical drawing and design specification of the product to be configured. Before starting a large production run, we usually make a sample for a dimensional test.

Contact our experts and we will create a product that will meet your most complex needs!

Naturally, we offer our partners a complete industrial filtration product package, complementing our own products.





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