



# DPF CLEANING MACHINES

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## PRODUCT CATALOGUE



CREATED BY:  
OTOMATIC TEAM



## WHO WE ARE

Otomatic is a Polish company specializing in the production of machines for cleaning particulate filters. Since 2018, we have commenced the manufacturing of our first machines and have been selling them globally.

Our team consists of approximately 60 employees, including engineers and automation specialists. We own a production facility that spans 4,000 square meters and are equipped with our own range of machinery.

Our commitment to innovation and quality has established us as a key player in the particulate filter cleaning industry, serving a diverse international client base.



# THE OTOMATIC TECHNOLOGIES FOR CLEANING PARTICULATE FILTERS AND CATALYTIC CONVERTERS

When choosing the right DPF (Diesel Particulate Filter) cleaning machine, selecting the appropriate cleaning technology is the first step. Currently, the hydrodynamic technology, which involves wet cleaning, dominates the European market. In contrast, the Bake & Blow method, a dry cleaning technique, has been prevalent in the USA for many years. However, this method is not as effective as the wet cleaning technique, leading to an increasing number of proponents for wet cleaning in the USA market.

Otomatic, as a market leader, has implemented and patented three different cleaning technologies that are revolutionizing the global market. These innovations offer enhanced cleaning effectiveness, adaptability to different types of particulate filters, and contribute to extending the lifespan of these filters. Otomatic's commitment to research and development in cleaning technologies underscores its position as a pioneer in the industry, catering to the evolving needs of clients worldwide.



## DPF AI SmartClean™

Following the market trends, Otomatic is leveraging groundbreaking artificial intelligence solutions and launching a new machine model in 2024 - the DPF Platinum (AI). Its main premise is a maintenance-free cleaning process. The operator's role is merely to install the DPF filter in the machine cabin and press the START button.



The machine is dedicated to clients seeking to stand out in the DPF service market with an innovative solution, focusing on optimizing labor costs and automating services.

The machine is entirely constructed from high-quality stainless steel, including a major portion coated with an exclusive glitter-enhanced powder paint and parts painted with an "orange peel" texture finish. The beautiful design and operator panel make a significant impression on new clients of the DPF service.



The DPF Platinum (AI) operates using wet and dry cleaning technology - DPF Hybrid. Additionally, it is equipped with a proprietary artificial intelligence algorithm - DPF AI SmartClean™.

After installing the filter in the machine cabin and pressing the START button, the entire process: cleaning, drying, efficiency measurements of the DPF filter, and printing of the cleaning result occur automatically. The machine is equipped with a designer 15-inch touch panel.

The cleaning process operates in a closed circuit. The DPF filter is mounted on both sides simultaneously using connecting adapters to the main process hoses installed inside the machine cabin.

The machine is offered with a set of connecting accessories for DPF filters from passenger and commercial vehicles, including a chamber adapter for filters from commercial vehicles. Moreover, the DPF Platinum(AI) comes equipped in its configuration without additional payment, meaning it includes an Oil Extractor and an automatic detergent dispenser. There is also the option to equip the machine cabin door with latex gloves and an air gun at a price of 1000 EURO.

The price of the machine is 46,000 EURO Netto. The price does not include transportation costs. The starter kit includes all accessories, including connection adapters for DPF filters, 25 liters of detergent, and filter cartridges.



Otomatic offers three DPF machine models in the patented DPF-Hybrid technology. The DPF filter cleaning service market is divided into two popular methods: wet cleaning [hydrodynamic method] and dry cleaning [pneumatic method - “Bake&Blow”].

Starting in 2022, Otomatic introduced an innovative hybrid method that combines the benefits of the wet cleaning method as the primary cleaning technique with the advantages of the dry pneumatic cleaning method as a supplementary cleaning force.



The DPF-Hybrid method is a strong incentive for new customers to try the new cleaning method, as most competing DPF services offer filter cleaning only by the wet method. The DPF Platinum is dedicated to cleaning filters from passenger and commercial vehicles, including construction and agricultural machinery. It is the most frequently chosen model among Otomatic machines, entirely made of stainless steel and equipped with two filtration tanks.

A touch-operated 7-inch operator panel is used to initiate the cleaning, drying processes, and perform filter efficiency and cleaning effect tests. It offers the possibility to set and parameterize cleaning programs according to individual needs and preferences.

The price of the machine in its basic version is 30,000 EURO. The machine can be equipped with additional features: an oil extractor at a price of 1,800 EURO, an automatic detergent dispenser at a price of 1,800 EURO, and latex gloves built into the machine cabin door with an air gun at a price of 1,000 EURO.

## DPF PLATINUM



The second model operating in both wet and dry cleaning technology is the DPF Platinum Matic. The cleaning process is carried out in the same way as in the larger DPF Platinum model. The only difference is that the DPF Matic is dedicated to cleaning filters exclusively from passenger and light commercial vehicles. In the configuration, the machine can be equipped with an automatic detergent injection system. The price of the machine in its basic version is 22,000 EURO.

The machine is intended for services that only handle filters from vehicles up to 3.5 tons. It often serves as additional equipment for well-established automotive workshops, using it for their own needs and occasionally providing cleaning services for affiliated workshops.

## DPF PLATINUM MATIC



In both machine models, the operator has the option to install the DPF filter for cleaning in the machine cabin using a pneumatic actuator equipped with a rubber sleeve, operated by a foot pedal, or through the use of individual connecting adapters.



All the DPF-Hybrid technology machines are equipped with a hot-channel water heating system, where the heaters are located in a special steel casing and do not come into contact with the liquid, which contributes to their longevity. The steam discharge system is solved using an exhaust fan prepared for mechanical ventilation and the installation of a discharge pipe leading outside the room.

The starter pack includes a complete set of filtration cartridges, 25 liters of detergent, and a set of connecting adapters. The DPF Platinum package includes a chamber adapter for cleaning filters from commercial vehicles.

**HydroMatic™**  
WET CLEANING SOLUTION

The hydrodynamic method is a traditional wet cleaning technique for particulate filters, originating in European countries. Due to its significantly better cleaning effects compared to other methods, such as pneumatic or ultrasonic cleaning, it has gained trust worldwide.

Otomatic offers the DPF Baseline machine at a price of 16,500 EURO. This machine is dedicated to cleaning filters from both passenger and commercial vehicles. The mounting of filters from passenger vehicles is done using individual connecting adapters, while the mounting of filters from commercial vehicles is done using a "spider" type connecting adapter.

## DPF BASELINE



Due to the simplicity of the machine, there is no possibility to equip it with additional features that assist in the cleaning process, which are available in higher models of Otomatic machines. The premise of the DPF Baseline offer is to provide a budget-friendly solution with wet cleaning, drying, and performing efficiency tests of the DPF filter before and after cleaning.

The machine is made of stainless steel. It is equipped with one filtration tank and a traditional water heater. The machine does not include an exhaust fan; however, it features a prepared hole for the gravitational discharge of steam.

Purchasing the DPF Baseline includes a complete set of accessories, connection adapters, and 25 liters of detergent.

## ADDITIONAL FEATURES

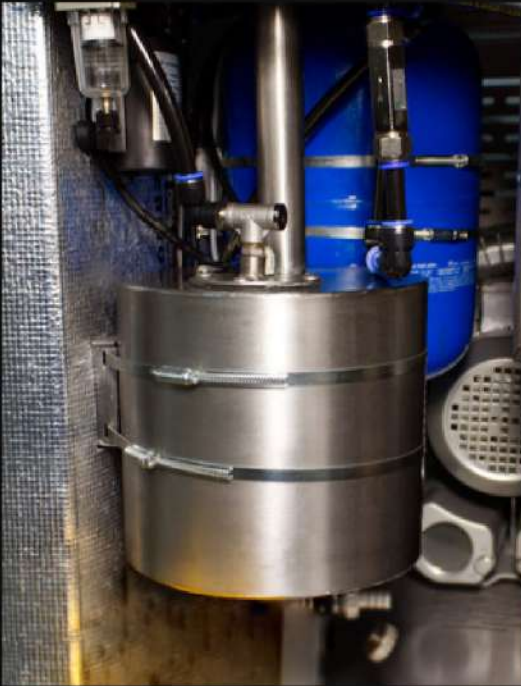
In 2022, Otomatic introduced the option to configure and add special features that support the DPF filter cleaning process. The DPF Platinum (AI) machine comes equipped with an automatic detergent dispenser and oil remover as standard features.

However, the DPF Platinum and DPF Platinum Matic machines can be configured according to one's own discretion for an additional fee. Configuration is not possible for the DPF Baseline machine.

The oil separator is an additional feature of the DPF-Hybrid technology machines. In the process of cleaning diesel particulate filters (DPFs), oil from the DPF filters is removed, which most commonly appears in the filters due to turbocharger failures.

Oil residues often appear on the surface of the water tank and form a dense suspension that needs to be manually removed in case of accumulation. The built-in oil separator in the DPF machine ensures that this part of the machine maintenance does not cause much trouble.





The automatic detergent dispenser is a feature designed to simplify the cleaning process in DPF machines. Traditionally, it is accepted to add 200 ml of cleaning fluid concentrate to the machine's tank for each DPF filter before cleaning, which typically involves manual allocation of the detergent. Aiming to facilitate this process, Otomatic introduced an automatic detergent dosing function during the wet cleaning process without the operator's intervention.

The Cleaning Accessory Kit comprises latex gloves integrated into the machine's cabin door, allowing for direct manual intervention inside the cabin without the risk of splashing or contact with detergent. Inside the cabin, there's a compressed air gun and a high-pressure cleaning liquid dispenser for removing debris from the steel filter housing. The compressed air gun is often used to eliminate excess water from the filter channels before the drying process, significantly reducing drying time. These built-in gloves enable operators to securely close the machine's door and still maneuver their hands inside the cabin, ensuring a safer and cleaner working environment.





## ACCESSORIES

With each machine purchase, you receive a complete set of accessories necessary for daily work in a DPF service. This includes connection adapters, rubber sleeves, detergent, rubber hoses, and filtration cartridges. Otomatic has introduced an online store where purchases can be made with worldwide shipping available. The price for DPF Active Matic detergent is 200 Euro for 25 liters and 45 Euro for 5 liters. Filtration cartridges are priced at 84 Euro each. [Price list as of February 27, 2024].



## ORDER AND PAYMENT LEAD TIMES

All DPF machines are made to order for each customer. The average waiting time is 6 - 8 weeks. We start the order after receiving a 10% deposit from the customer. The rest of the payment is due before the delivery of the machine.

## DPF MACHINE OPERATION TRAINING

Otomatic, with its years of experience in running its own DPF cleaning service, has amassed extensive knowledge in the operation of DPF machines and the management of a cleaning service. The company recognizes the importance of proper technical and substantive training for those operating these devices and managing a DPF cleaning service. Therefore, Otomatic offers each customer complimentary training, which can take place either directly at the company's headquarters or via video conference. This approach ensures that the training format can be tailored to the individual needs and capabilities of customers, while guaranteeing access to valuable information and practical tips related to the use of DPF machines.

## SERVICE AND WARRANTY

Every DPF machine sold is covered by a warranty. Machines utilizing DPF-Hybrid technology come with a 24-month warranty, while the DPF Baseline model is covered for 12 months. The majority of service repairs involve straightforward parts replacements that do not require specialized knowledge. Otomatic maintains a stock of spare parts, ensuring shipments within 24 hours. Many service issues are resolved remotely via WhatsApp communicator. For situations that require specialized expertise on-site, Otomatic dispatches technicians who collaborate with the company on a cooperative basis.

# MANAGEMENT

## KRZYSZTOF SMOLEC CO-OWNER



Specialist in business development and customer relationship building. Has a wide range of competences, which he uses to analyse the market, identifying trends and creating growth strategies. His main objective is to provide maximum value and benefit to his clients by delivering products and services that perfectly meet their needs. His approach is based on building long-term relationships with clients, listening to their needs and engaging in partnerships. As a result, he is able to create personalised solutions that contribute to the success and growth of our business partners.

## MATEUSZ WRONKA CO-OWNER



Specialist in production management and innovation development. Has an excellent understanding of production processes, optimising operations and ensuring high product quality. Has knowledge of modern management methods and excels in planning, controlling and improving production operations. He motivates the team to achieve high standards, promotes a culture of innovation and focuses on continuous improvement. His communication and collaboration skills contribute to the successful operation of the technical department and support the entire company in achieving success.

# CUSTOMER SERVICE



Our team is steadfast in our commitment to uphold the principles of 'fair play' in every interaction with our customers. We firmly believe that the foundations of a successful partnership are rooted in honesty, trust, and respect. These values guide us in maintaining the highest ethical standards and adhering to our established operating principles.

Our team members are not only equipped with technical expertise and interpersonal skills, but they also possess a keen ability to listen and truly understand the needs of our customers. We advocate for a partnership-driven approach, aiming to cultivate long-term business relationships.

Fueled by determination and unwavering commitment, we are prepared to tackle any challenges that come our way, ensuring the success of our clients. We are dedicated to our clients' victories because their triumphs resonate as our own. In every endeavor, we work diligently to secure wins for our clients, believing wholeheartedly that their success is a direct reflection of our success.

# OTOMATIC

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