

# PTM MAKİNE®

DPF (Particle), Catalyzer & Exhaust Systems Machine Manufacture

## THE WORLD'S SAFEST AND FASTEST DPF CLEANING SYSTEM

ALWAYS  
ONE STEP  
AHEAD WITH  
TECHNOLOGY!

TEKNOLOJİMİZ İLE  
HEP BİR ADIM  
ÖNDEYİZ!



PTM ile  
%100  
DPF Temizleme

with PTM  
%100  
DPF Cleaning

DAHA  
YAŞANABİLİR  
BİR DÜNYA İÇİN



FOR A MORE  
LIVABLE  
WORLD





1960 yılında Kürkçüoğlu Egzoz olarak başladı egzoz serüvenimiz. 2018 yılında PTM Makine olarak güncellenen firmamız 2011 yılından bugüne DPF Dizel Partikül Filtresi Temizleme Makinesi üretimi konusunda uzmanlaşmıştır. Aynı zamanda bulunduğumuz bölgede DPF Temizleme hizmetini de sunarak bitmeyen bir AR-GE ile makinemizi geliştirdik. Bu sayede teknik bilgisini de sürekli güncelleyen firmamız tüm müşterilerine 7/24 teknik bilgi desteği sunma avantajı elde etmiştir. Bugün 16 ülkede ülkemizi temsil etmenin mutluluğu ile yolumuza devam etmekteyiz.

İlk günden bugüne değişmeyen tek kuralımız;

**Müşteri Memnuniyetidir.**

Our exhaust adventure started in 1960 with the name of Kürkçüoğlu Exhaust. Our company, which was updated as PTM Makine in 2018, has specialized in the production of DPF Diesel Particulate Filter Cleaning Machine since 2011. At the same time, we have developed our machine with an endless R&D by offering DPF Cleaning service in our region. In this way, our company, which constantly updates its technical information, has gained the advantage of providing 24/7 technical information support to all its customers. Today, we continue on our way with the happiness of representing our company in 16 countries.

Our only rule that has not changed since the first day;

**Customer Satisfaction**

Sertifikalarımız / Our Certificates





IF YOU USE DIESEL VEHICLES, YOU MUST KNOW THESE!

# DPF

Dizel Partikül Filtresi



We recommend  
DPF Cleaning at  
both oil changes for  
fuel economy and  
good engine  
performance!

## What is a DPF Particulate Filter?

The Diesel Particulate Filter is a part in the exhaust system that is designed to reduce emissions of Hydrocarbons (HC), Carbon Monoxide (CO) and collects particles from engine gases to minimize the release of particles into the air. Soot Particles accumulate within the DPF channels and are regularly incinerated to prevent the filter from clogging. This process is called Regeneration. Because regeneration is not possible, in case of clogging, cleaning or high-cost replacement parts are required.

## Why Is It Clogged?

- Faults in the EGR Valve
- Using the Wrong Engine Oil
- Faults in Turbo
- Using of Low Quality Fuel
- Long Time Driving at Low Speed and in Stop-and-go Traffic

## What are the Symptoms?

- DPF Fault Lamp On Dashboard
- Loss of Power of The Vehicle
- Increased Fuel Consumption
- Increased Idle Speed
- Continuous operation of The Fan
- Continuous Black Smoke



If the Diesel Particulate Filter and the engine fault lamp come on at the same time, more serious problems may have occurred. In order to solve these faults, the "Diesel Particulate Filter" must be cleaned or a new one must be installed at high cost.

## DPF CLEANING WITH PTM4019

PTM4019 DPF SMART, with many years of experience and successful results in **thousands of vehicles**, cleans particles close to 100% without making any changes to the original system of the vehicle, even if it is completely clogged, and ensures that the vehicle **returns to full performance for a long time**.

## AFTER DPF CLEANING PROCESS

Recovered

- Engine Performance
- Fuel Economy
- High Engine Power
- Extended Engine Life
- Exhaust Emission Rates





# PTM4019, UNIQUE AND FINAL SOLUTION FOR ALL DIESEL VEHICLES

PTM4019 DPF SMART PLUS is our 7th generation new machine, which is the result of more than 14 years of machine production. We are stronger now with a more practical, more advanced and smarter machine. With the PTM4019 DPF SMART PLUS, cleaning of all automobiles and heavy-duty vehicles can be done in a short time with full success.

## PTM4019 DPF SMART PLUS



DPF Cleaning Section of Large Vehicles Such as Buses, Trucks, Construction Machines

With 10" Touch Screen Easy Operation

Occupancy Test Measurement and Printout

Contaminated Waste Control with Intelligent Filtering System



All Processes and Controls in 7 different languages. Turkish, German, English, Italian, French, Russian, Dutch



Environmentally friendly use with PTM4019 DPF ECO without waste water in DPF Cleaning system

Dimensions  
Width: 165cm, Height: 240cm,  
Depth: 100cm, Weight: 480Kg.

Easy Portable Ergonomic Design

✓ **We Do Not Use Hot Water**  
We do not need water heating, we save both electricity and time. Cleaning starts after the opening of our machine.

✓ **We Do Not Use Acid Based Chemical**  
Nano Technology, our special cleaning liquid with solvent feature provides fast and complete dissolution. It does not harm ceramic.

✓ **We do not Damage to DPF**  
After cleaning close to 100%, we do protect the normal functioning of the DPF.

**With PTM4019 and Nano Technology Cleaning Liquid %100 Results, %100 Guarantee**



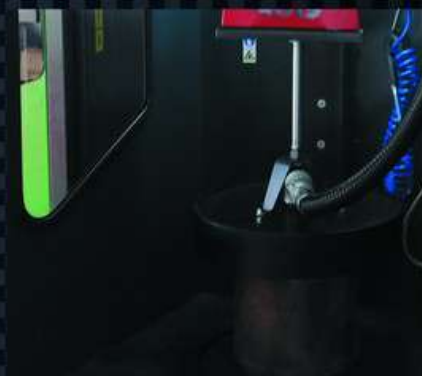
## ► PTM4019 SMART PLUS - New Model Details



Cleaning Liquid Section



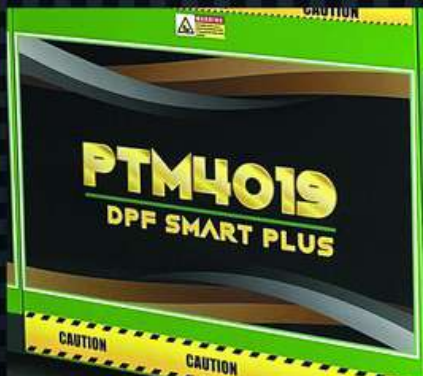
Wastewater Filtering Section



Truck Cleaning Section With Pnomatic System



Exclusive, Unique DPF Connection System



Amazing Results in Just 19 Minutes



Special Machine For Your Service With Color Options

**With PTM4019, Maximum Fuel Saving, Increased Traction Power, Tidy Operation of Turbo is Provided**



# PTM4019, BIGGER, SMARTER AND EASY WITH NEW MODEL

PTM4019 DPF SMART is our 6th generation machine produced as a result of more than 40 years of expertise in exhaust systems and 14 years of Development activities. Our machine is produced for the purpose of cleaning Diesel Particulate Filter and Catalytic Converters of all light commercial vehicles and automobiles. Unmatched results have been achieved in thousands of vehicles in these 14 years.



## PTM4019 DPF SMART



Apparatus Set You Can Mount  
All Brand Model Tools

Dimensions  
Size: 125cm, Height: 240cm,  
Depth: 90cm, Weight: 430Kg.

Occupancy Test Measurement  
and Test Measurement Receipt  
Printing

The Machine Performs  
Dirty Waste Control Automatically  
with New Filtering System



Easy Portable  
Ergonomic Design



All Processes and Controls  
in 7 different languages.  
Turkish, German, English,  
Italian, French, Russian, Dutch

Easy to Use with  
10" Touch Screen



Environmentally friendly  
use with PTM4019 DPF  
ECO without waste water in  
DPF Cleaning system



### We Do Not Use Hot Water

Since we do not need water heating, we save both electricity and time. Our machine is ready to clean after opening.



### We Do Not Use Acid-Based Chemicals

Our Special Cleaning Fluid, which has nanotechnology, solvent feature, provides fast and complete dissolution. It does not damage ceramics and precious metals.



### We Do Not Damage DPF

DPF continues to work normally, although it cleans almost 100% after the cleaning process. After cleaning, the vehicle runs for a long time without malfunction as if a new DPF was installed.

**100% Result, 100% Guarantee with PTM4019 and Nano Technology Cleaning Fluid**



# ► PTM4019 DPF SMART - Operation Panel and Details



**Cleaning Programs**  
**DPF:** For All Cars and Light Commercial Vehicles  
**CAT:** For Diesel Catalytic Converter Cleaning  
**VAN:** For Trucks up to 3.5 Tons



Remaining Cleaning Time

Cleaning Process Info Area

Amount of Cleaning Liquid

Waste Water Filtering Boiler



Updated Software and Added New Features



Comfortable Use with 180 Cm Indoor Height



Auto Opening Cleaning Liquid and Waste Filter Section



History Cleaning Information With Reports Screen



Amazing Results in Just 19 Minutes



Special Machine For Your Service With Color Options

**With PTM4019, Maximum Fuel Saving, Increased Traction Power, Tidy Operation of Turbo is Provided**



# PTM4019, ONE STEP AHEAD WITH TECHNOLOGY

PTM4019 DPF TOTAL is our 4th generation machine that has emerged as a result of more than 40 years of exhaust systems expertise and R & D activities exceeding 14 years. Our machine is produced for cleaning of Diesel Particulate Filter and Catalytic Converters of all light commercial vehicles with automobiles. In these 14 years, unique results have been obtained in thousands of vehicles.



## PTM4019 DPF TOTAL

Air, Water and Cleaning  
Liquid Inputs



All Processes and Controls  
in 7 different languages.  
Turkish, German, English,  
Italian, French, Russian, Dutch

With 7" Touch Screen  
Easy Operation

Occupancy Test Measurement  
and Printout

Waste Sediment Tank

Contaminated Waste  
Control with  
Filtering System



DPF Mounting Kit for  
All Brand Model Cars

Dimensions  
Width: 110cm, Height: 210cm,  
Depth: 80cm, Weight: 220Kg.



Dizel Partikül Temizleme Makinesi



[www.ptm4019.com](http://www.ptm4019.com) Watch detailed usage videos on our website.



### We Do Not Use Hot Water

We do not need water heating, we save both electricity and time. Cleaning starts after the opening of our machine.



### We Do Not Use Acid Based Chemical

Our nano technology special cleaning liquid with solvent feature provides fast and complete dissolution. It does not harm ceramic.



### We Do Not Damage to DPF

After cleaning close to 100%, we do protect the normal functioning of the DPF.

**With PTM4019 and Nano Technology Cleaning Liquid %100 Results, %100 Guarantee**



# ► PTM4019 DPF TOTAL - Device Usage Panel and Details



Filter Fixing Device



Air Outlet

Water Outlet



Particles After Cleaning



Occupancy Test Measurement and Printout



Cleaning Liquid and Sediment Filter



Sediment Water Waiting Tank

**With PTM4019, Maximum Fuel Saving, Increase of Traction Power, Healthy Working of Turbo is Ensured**



# PTM4019 CLASSIC, ECONOMIC AND SUCCESSFUL SOLUTION

The PTM4019 Classic is an easy, fast and economical machine that allows you to clean up to 100% in as little as 19 minutes by starting the process after installing the DPF in the machine.



## PTM4019 DPF CLASSIC



DPF Mounting Kit For All Brand Model Cars

Dimensions  
Width: 110cm, Height: 210cm,  
Depth: 80cm, Weight: 220Kg.



Air, Water and Cleaning Liquid Inputs

Water Pressure  
Air Pressure

Digital Screen That Showing Processes

Waste Sediment Tank

Contaminated Waste Control With Filtering System

Easy Portable  
Ergonomic Design



[www.ptm4019.com](http://www.ptm4019.com) Watch detailed usage videos on our website.



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**With PTM4019 and Nano Technology Cleaning Liquid %100 Results, %100 Guarantee**



## ► PTM4019 - Machines Setup



Install the liquid loading motor in the cleaning liquid bottle.



Place the canister at the bottom of the machine and mount the hose and cable coming out of the canister to the cleaning fluid inlet and the 12V inlet.



Install one end of the water hose to the water inlet behind the machine and the other end to the mains tap.



The installation is complete after installing the air hose to the air inlet behind machine and plugging the machine socket.

Air pressure is between 5 and 10 bar, water pressure is between 3 and 10 bar. A minimum 50L compressor is sufficient at air pressure.

## ► PTM Machines Special Cleaning Liquid

PTM4019 Special Cleaning Liquid is produced by **Nano Technology** and it enables the particles which clogging by the penetration to the channels being smaller than 1mm of particle filter do **dissolve in a ratio around %100**. There is no interference in the particle filter which is installed on the machine without damaging the original system and the cleaning liquid does **not have any harmful effects** to the filter, which may occur in future.

PTM DPF Cleaning Machines is designed to work **coordinately** with this special cleaning liquid and **can not be used with different cleaning materials**. You can safely obtain the special cleaning liquid at any time from our firm under appropriate conditions.



## ► PTM Machines Error Messages

### ! Liquid Level Falls

- Message indicating that the cleaning fluid has decreased

### ! Liquid Pressure Low

- Message indicating that the electric jack from the cleaning fluid canister has disappeared

### ! Liquid Completed Liquid Dispensing

- Cleaning fluid is required. The machine will not start without cleaning fluid.

### ! Air Pressure Low

- Message that appears when the air pressure is below the 4.5 bar or when there is no air pressure

### ! Water Pressure Low

- Message below the 2,5 bar indicating that the water pressure is off.

**With PTM DPF Cleaning Machines, You Will Find The Definitive Solution of DPF Failures!**



## ► PTM4019 DPF SMART - Some Images of Our Valuable Customers



**HIGH SUCCESS RATE WITH THOUSANDS OF HAPPY CUSTOMERS FROM THE FIRST DAY TO TODAY**



➤ PTM4019, UNIQUE AND FINAL SOLUTION FOR ALL DIESEL VEHICLES

# PTM4019

## DPF SMART PLUS

### PROVEN SAFE

# DPF CLEANING

### TECHNOLOGY

- ✓ **We do not Damage to DPF**  
After cleaning close to 100%, we do protect the normal functioning of the DPF.
- ✓ **We Do Not Use Hot Water**  
We do not need water heating, we save both electricity and time. Cleaning starts after the opening of our machine.
- ✓ **We Do Not Use Acid Based Chemical**  
Nano Technology, our special cleaning liquid with solvent feature provides fast and complete dissolution. It does not harm ceramic.

Turkey

Discover  
the potential

More information call us  
+90 505 274 91 77



www.ptm4019.com  
VISIT OUR WEBSITE



# PTM MAKİNE®

DPF (Particle), Catalyzer & Exhaust Systems  
Machine Manufacture



# From Turkey to the World Türkiye'den Dünya'ya

## PTM4019

*Works Successfully In 16 Countries*

 Germany	 Denmark
 Austria	 Lithuania
 Switzerland	 Bulgaria
 France	 Albania
 Italy	 Azerbaijan
 Belgium	 Georgia
 Slovakia	 Mongolia
 Holland	 South Africa

## PTM MAKİNE®

DPF (Particle), Catalyzer & Exhaust Systems Machine Manufacture

Address: Mimar Sinan Mah. Muhsin Yazıcıoğlu Cad. No:17 Çorum TURKEY  
Phone: +90 364 212 23 70      Gsm/Whatsapp: +90 505 274 91 77  
E-Mail: bilgi@ptm4019.com      Web: www.ptm4019.com



### BELGIUM PARTNER

Sindel Comm. V - Sercan Sindel  
Chaussée de Charleroi 102 5070 Fosses La Ville  
E-Mail: sales@ptm4019.be  
GSM: +32 486 24 01 32

### GERMANY PARTNER

Aystore - Caner Aydın  
44379 Dordmund - GERMANY  
E-Mail: germany@ptm4019.com  
GSM: +49 170 353 47 61