

# OXYHTECH<sup>®</sup>

INNOVATIVE TECHNOLOGIES

## Innovating for growth





# OXYHTECH

Oxyhydrogen Technologies, S.L.

Manufacturers and suppliers of ecological cleaning equipment for combustion engines

We offer a wide range of products with the most advanced technology used in the automotive industry.

Carbon Cleaning Machines and DPF Cleaners to provide internal cleaning of any engine or filter in order to restore performance and reduce smoke and gas emissions.

Advanced technology, fully developed in Spain for over 10 years now in order to create innovative machines that are revolutionising the automotive market both nationally and internationally.

"All our products stand out for their high quality, unique self-developed technology, efficiency, precision, stability, low energy consumption and highest environmental protection"



## Innovation

Continuous search for cost-effective solutions



## Worldwide leaders

Operating in more than 50 countries



# OXYHTECH®

INNOVATIVE TECHNOLOGIES



## Reliability guarantee

Design and development of all our products



## Quality

Chosen by the best brands



# CARBON CLEANING MACHINES

Our Carbon Cleaning Machines use a highly efficient electrolysis process with power supplies (active pulse), which dissociates the oxygen and hydrogen from the water, turning them into a gas called oxyhydrogen.

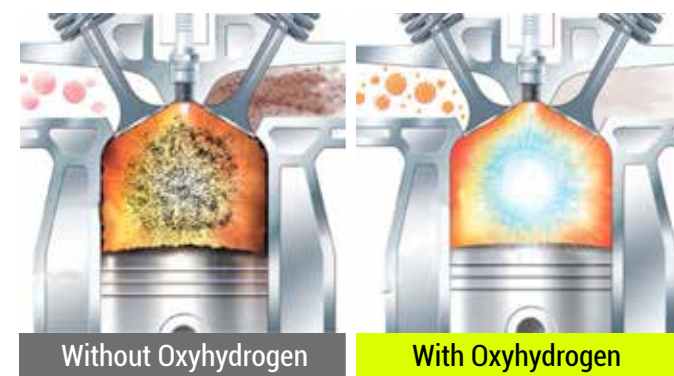
The high calorific power of the oxyhydrogen gas, injected into the engine, generates a rapid increase in the combustion temperature, which causes a controlled pyrolytic implosion that burns, disintegrates and eliminates all the carbon deposits accumulated in the engine in just 60 minutes.

Our equipment provide the biggest gas production in the whole national and international market.

SUITABLE FOR ALL TYPES OF FUELS  
DIESEL, GASOLINE, LPG, METHANE...



## COMBUSTION DIFFERENCES



Without Oxyhydrogen

With Oxyhydrogen

## Let the results speak for themselves



Test performed after 1 hour of treatment with the Oxytech Maxi model

Vehicle: BMW Series 1 2.0 l  
Year: 2016 Km: 80.000

|        | Before treatment | After treatment |
|--------|------------------|-----------------|
| CO     | 3.741            | 0.001           |
| HC     | 185              | 0               |
| LAMBDA | 0.890            | 1.014           |



Vehicle Audi A4 2.0 Tdi  
Year: 2016 Km: 113.450

|                           | Before treatment | After treatment |
|---------------------------|------------------|-----------------|
| DPF load coefficient      | 245,1%           | 4,3%            |
| Amount of deposits in DPF | 39,99%           | 1,04 %          |



Vehicle: Mercedes GLC 350  
Year: 2017

|                | Before treatment | After treatment |
|----------------|------------------|-----------------|
| Maximum Power  | 326,5 (HP)       | 347,6 (HP)      |
| Maximum Torque | 489,9 (ft.lbs)   | 506.4 (ft.lbs)  |



+21,1 HP  
+16,5 (ft.lbs)

# CARBON CLEANING MACHINES



## Midi

Voltage: 220V / 110V – 16 AMP SHUKO Plug  
Maximum consumption: 2.2 kW  
Gas production: 1.200 l/h  
Weight and dimensions: 85 Kg. 77 cm x 45 cm x 37cm

**DIESEL** Up to 3.500 cc  
**GASOLINE | GLP | METANO** Up to 6.000 cc



## Maxi 4.0



Voltage: 220V – 16 AMP CETAC Plug  
Maximum consumption: 3.5 kW  
Gas production: 2.300 l/h  
Weight and dimensions: 100 KG. 93,5 cm x 46cm x 47,5cm

**DIESEL** Up to 5.000 cc  
**GASOLINE | GLP | METANO** Up to 15.000 cc



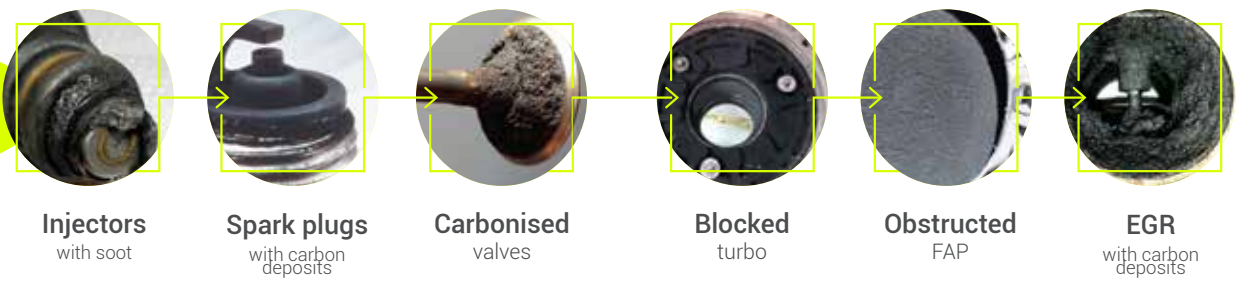
## Maxi PLUS 4.0



Voltage: 220V – 32 AMP CETAC Plug  
Maximum consumption: 6 kW  
Gas production: 4.600 l/h  
Weight and dimensions: 150KG. 93,5 cm x 65 cm x 47,5 cm

**DIESEL** Up to 30.000 cc  
**GASOLINE | GLP | METANO** Up to 60.000 cc

Where they clean



### NEW FUNCTION VIA WIFI CONNECTION

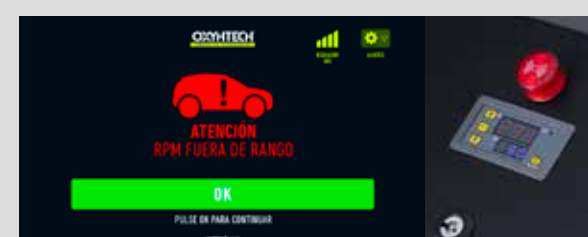


SAVE AND CONSULT THE LIST OF DESCALING PERFORMED.  
YOU CAN ALSO SEND IT TO YOUR CUSTOMERS BY DOWNLOADING THE REPORT

### TECHNICAL CHARACTERISTICS



Touch screen



Visual and audible error message



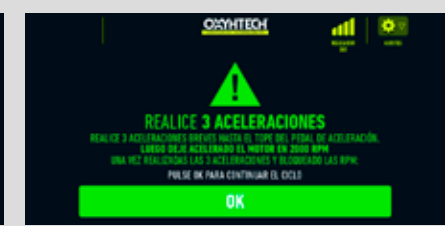
Emergency stop button



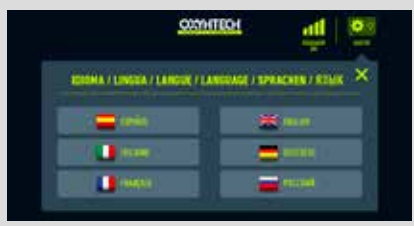
Specific programmes EGR/Turbo/DPF



Gas production regulator



Step-by-step guide



6 predefined languages



Pressure relief valves



Bluetooth connection



OBD II sensor



LED operation



Wheels for easy moving

# CARBON CLEANING MACHINES

**OXYHTECH**  
INNOVATIVE TECHNOLOGIES



CHEMICAL PRODUCTS FOR ENHANCED ADDITIONAL CLEANING

## OXYHTECH DIESEL INJECTOR INTERNAL CLEANER - DIESEL (200 ML)

Diesel injectors internal cleaner system removes sediment from the injectors, the injection pump and the fuel system, getting any waste removed during the decarbonization process.



## OXYHTECH GASOLINE INJECTOR INTERNAL CLEANER - GASOLINE (200 ML)

Gasoline injectors internal cleaner system removes sediment from the injectors, the injection pump and the fuel system, getting any waste removed during the decarbonization process.



## OXYHTECH FAP / DPF DPF REGENERATING ADDITIVE (200 ML) DPF

DPF Regenerating Additive achieves the optimization of internal cleaning of the DPF in our equipments.

Recommended for FAP / DPF cleanings in critical situations.

Thousands of daily decarbonisations



Follow us on our social media networks



After years of development, with the New Total Intake Cleaner, we complete our range of products for the maintenance of internal combustion engines.

The specially developed formula works perfectly in all internal combustion engines whether they are **Diesel, gasoline or LPG** for cars or commercial vehicles. The absolute novelty of the Oxytech Total intake cleaner is that it works by spraying and with the engine slightly accelerated, thus dissipating the product to cover the entire intake system.

This professional formula is designed to be used, in addition to independently, also with our decarbonizers, completing the cleaning carried out by them and giving all engine components a deep and lasting clean.



### [Benefits]

**CLEANS** the entire intake system, including the throttle body, intake manifold, intake valves and swirls, removing harmful deposits and build-up.

**RESTORES** engine performance, improving acceleration, power, and fuel economy.

**PROTECTS** against future deposits and build-up, prolonging the life of the engine.



ANTES

DESPUÉS



ANTES

DESPUÉS



**NOTE:** Up to now, the existing products on the market for cleaning the intake have always worked in the form of Venturi and drip, thus obstructing the passage of essential air for engines (especially Diesel) and preventing the flowmeter from reading the values of correctly, affecting the proper treatment and proper functioning of the engine itself, as well as causing accumulation of liquid at the intake inlet due to dripping and little or no dissipation in the rest of the parts.

# DPF CLEANER MACHINES

**OXYHTECH®**  
INNOVATIVE TECHNOLOGIES

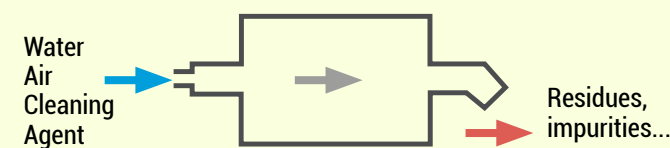
Machines designed for cleaning particle filters of any vehicle. OXYHTECH DPF model for: cars and light vehicles OXYHTECH DPF PLUS model for: trucks, cars, vans, industrial machinery...) and for cars and light vehicles in the case of the OXYHTECH DPF + model.

Our DPF cleaners are designed to achieve particle filters cleaning and regeneration, eliminating 100% of the carbon, soot and ashes in record time. They also have functions of automatic adjustment through a simple control screen so that the operation is fully guided and intuitive.

The machines include a wide range of accessories to adapt to the filter model of any vehicle.



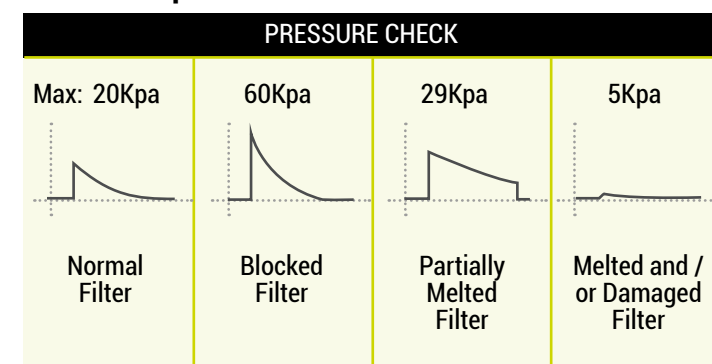
## Cleaning process



## Automatic cleaning process

| DPF CLEANING                    | AUTO CLEANING                                  |
|---------------------------------|------------------------------------------------|
| 1. Auto clean<br>2. Press Check | Water: 10 sec<br>Air: 5 sec<br>Count: 30 times |

## Differential pressure control



## CHEMICAL PRODUCT

### CONCENTRATED CLEANER FOR DPF (1000 ML)

Cleaning agent specifically designed to use with Oxyhtech Maxi and Oxyhtech Maxi+ DPF cleaning machines.

The compound is specifically formulated to safely remove impurities deposited in the diesel particulate filter of any type of vehicle.

This treatment will be carried out after introducing the filter into the Oxyhtech filter cleaning machines.



## Dpf

Number of cycles: 5 ~ 60 times  
Air time: 0 ~ 30 seconds per pulse  
Water time: 0 ~ 30 seconds per pulse  
Input voltage:  
110~240V 50 / 60Hz, single-phase

Internal air tank: 20L  
Weight & dimensions:  
100 Kg. 1.000 x 500 x 1.200 (mm)



Process: Automatic | Cleaning agent: Oxyhtech chemical, water and air | Display Mode: Digital | Differential pressure reading: KPa and graph | Compressor needed: Minimum deposit capacity 50L



## Dpf PLUS

Number of cycles: 5 ~ 60 times  
Air time: 0 ~ 30 seconds per pulse  
Water time: 0 ~ 30 seconds per pulse  
Input voltage:  
110~240V 50 / 60Hz, single-phase

Internal air tank: 40L  
Weight & dimensions:  
140 Kg. 1.000 x 500 x 1.200 (mm)

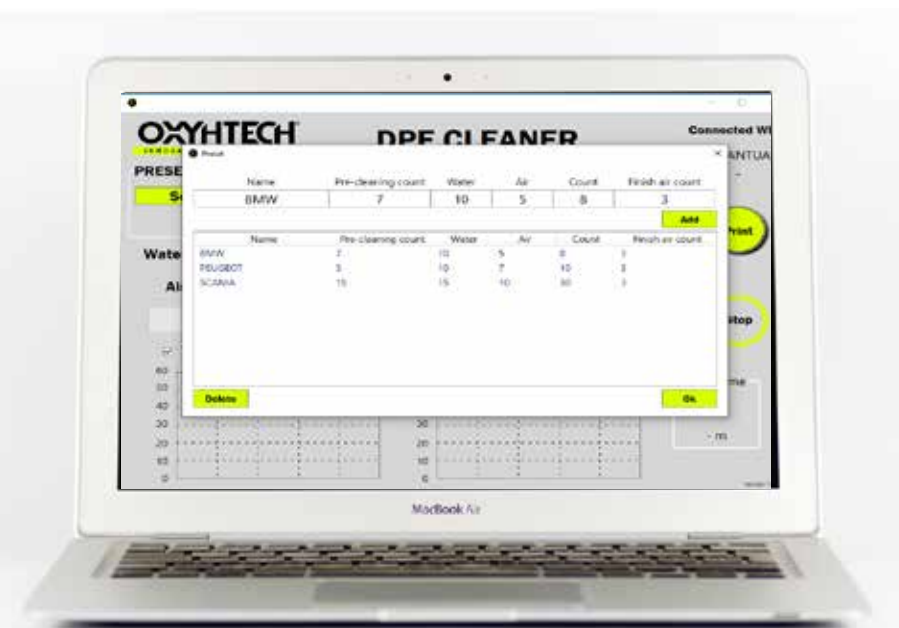
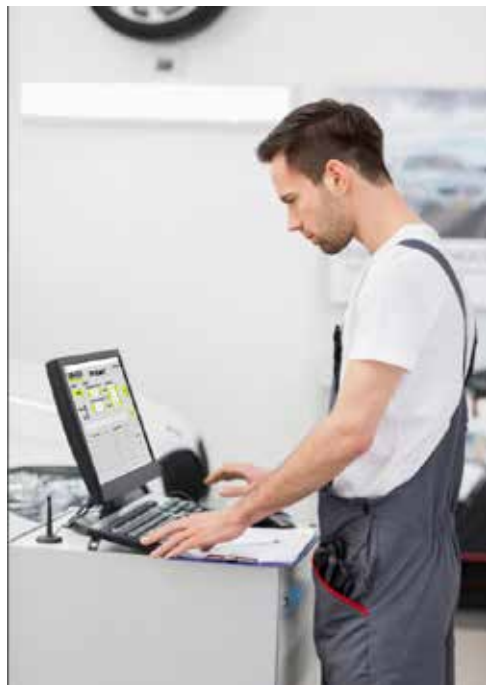


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# DPF CLEANER MACHINES

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## NEW APPLICATION VIA WIFI CONNECTION



CUSTOM SETTINGS

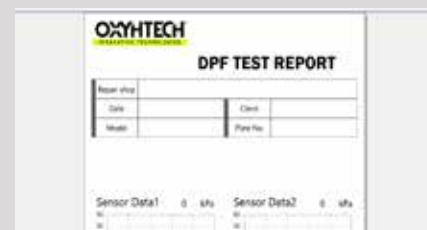
## LIMPEZA DA ADMISSÃO AO SISTEMA DE EXAUSTÃO



Adapters for all types of filters



100% guaranteed clean



Before and After reports



Easy-to-use digital display  
Fully automatized process



Checking the condition of the filter / differential pressure control



Emergency stop button



Pressure regulator



Universal air and water inlet



Reduced size / High quality

## CONSTANT INVESTMENT IN R+D+I



Thanks to our investment in R+D+I, we have received international recognition in different competitions, as well as recognition from our more than 4,000 customers.

## AFTER-SALES SERVICE AND ADVICE

We offer an after-sales service with remote diagnostic capability and advice to our customers so that they can maximise the value and return on their investment in our technology.



# OXYHTECH DIGITAL COMPRESSION TESTER

**OXYHTECH**  
INNOVATIVE TECHNOLOGIES

## ALWAYS ONLINE FOR YOU

We get in contact with you through our website, social media, whatsapp and in our facilities.



With our OXYHTECH DIGITAL COMPRESSION TESTER it is possible to check the compression in the cylinders of an internal combustion engine, both petrol and diesel with between 2 and 12 cylinders **SIMPLY BY CONNECTING IT TO THE BATTERY.**

Through dedicated software, it allows you to check the compression efficiency of endothermic engines directly on board the vehicle in a few seconds.

Our **DIGITAL COMPRESSION TESTER** allows you to:

- Demonstrate to your customers the results of the work carried out (decarbonisation, oil change, spark plug change, etc).
- The condition of the starter motor
- The condition of the battery at idle and under power
- Check the alignment of each cylinder
- Check the compression of each piston
- Possibility to store and print the test performed and review it as a whole.

**INCREASE YOUR TURNOVER** by offering an initial diagnosis that will allow you to offer extra services to your customers.



TEST CARRIED OUT ON VEHICLE: **VW GOLF** KM: **110.000**

**BEFORE** THE ONE-HOUR TREATMENT WITH AN OXYHTECH MIDI CARBON CLEANER



**AFTER** THE ONE-HOUR TREATMENT WITH AN OXYHTECH MIDI CARBON CLEANER



In this test carried out by one of our workshops it can be seen that after the decarbonisation treatment the compression of the cylinders has increased by approximately 30% and the compression problem present in piston 4 has practically disappeared.

“ THE CYLINDER COMPRESSION HAS INCREASED BY **30%** ”

“ ONE OF THE PISTONS HAS BEEN REALIGNED MORE THAN **60%** ”



Check all our workshops in our website and follow us on social media



# OXYHTECH®

INNOVATIVE TECHNOLOGIES

ANY DOUBTS? CONTACT US

info@oxyhtech.com | 📞 +34 948 59 74 49

We will be delighted to help you!

[www.oxyhtech.com](http://www.oxyhtech.com)



Pol. Ind. Noáin - Esquiroz. Calle G, Nave 3C. | 31191 Esquíroz / Navarra. España

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