

OXYHTECH[®]

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



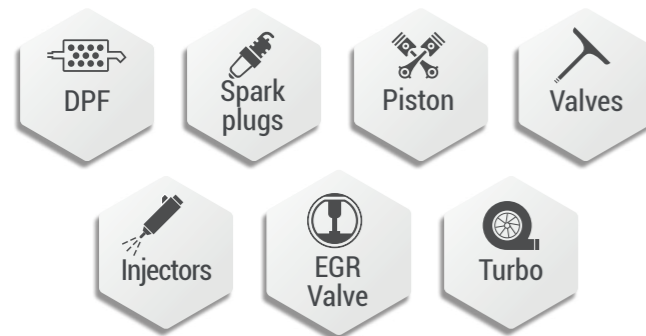
CARBON CLEANING MACHINES

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.

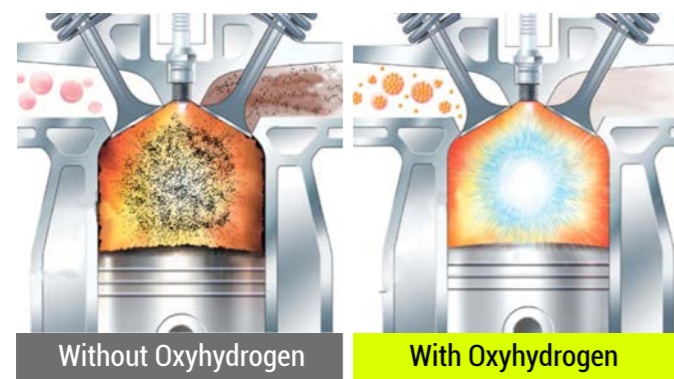
The high calorific power of the oxyhydrogen gas, injected into the engine, generates a rapid increase in the combustion temperature, which causes a controlled pyrolytic implosion that burns, disintegrates and eliminates all the carbon deposits accumulated in the engine in just 60 minutes.

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



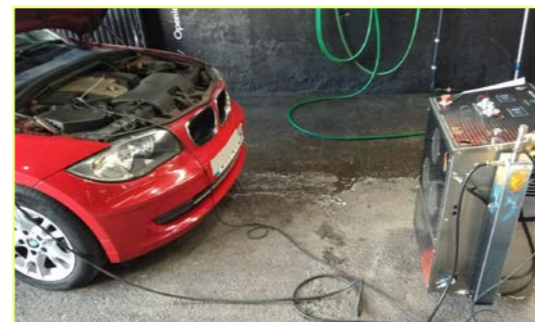
Let the results speak for themselves



Test performed after 1 hour of treatment with the Oxyhtech Maxi+ model

Vehicle: BMW Series 1 2.0 l
Year: 2013 Km: 143.259

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



Vehicle Audi A3 2.0 Tdi
Year: 2014 Km: 113.450

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



Vehicle: BMW Series 5 3.0 Td
Year: 2007

	Before treatment	After treatment
Potencia máxima	326,5 (HP)	347,6 (HP)
Torque máximo	489,9 (ft.lbs)	506.4 (ft.lbs)



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

CARBON CLEANING MACHINES



Midi

Voltage: 220V / 110V – 16 AMP
 Maximum consumption: 1.500 W
 Gas production: 1.200 l/h
 Weight and dimensions: 50 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 – 32 AMP
 Maximum consumption: 2.500 W
 Gas production: 2.300 l/hora
 Weight and dimensions: 55 KG. 93,5 cm x 46cm x 47,5cm

Bluetooth **WiFi** OBD II

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



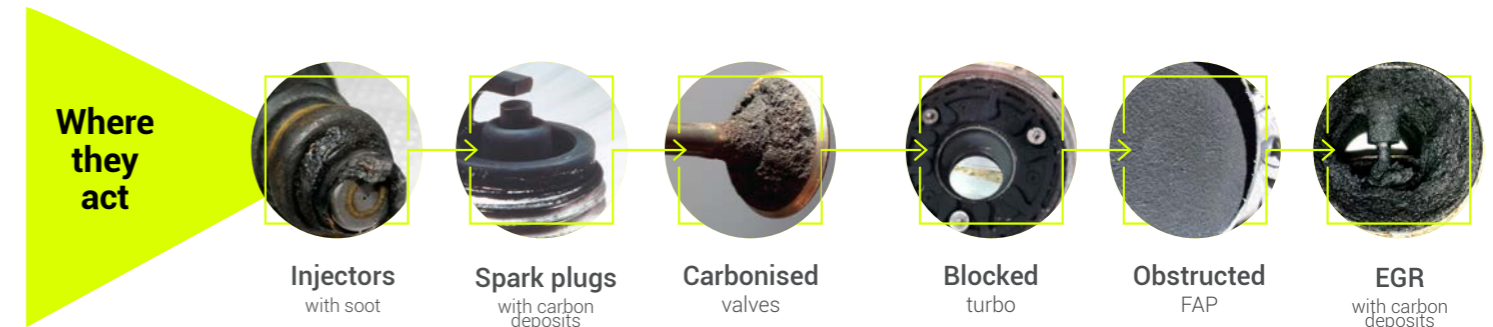
Maxi PLUS 4.0

Voltage: 220V – 32 AMP
 Maximum consumption: 5.000 W
 Gas production: 4.600 l/hora
 Weight and dimensions: 95 KG. 93,5 cm x 65 cm x 47,5 cm

Bluetooth **WiFi** OBD II

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

COMBUSTION CHAMBER	100% GUARANTEED	EGR	100% GUARANTEED
SMOKE AND EMISSIONS	100% GUARANTEED	TURBO	100% GUARANTEED
DPF AND CATALYST	100% GUARANTEED		



TECHNICAL CHARACTERISTICS

- Touch screen
- 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



Process: Automatic | Pressure: 0 psi | Display Mode: Digital Touch Screen

CARBON CLEANING MACHINES

SAVE LABOUR TIME BY OFFERING A FAST AND PROFESSIONAL SERVICE TO YOUR CUSTOMER.
WITHOUT DISMANTLING A SINGLE PART.



AFTER-SALES SERVICE AND ADVICE

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



Chemical products



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



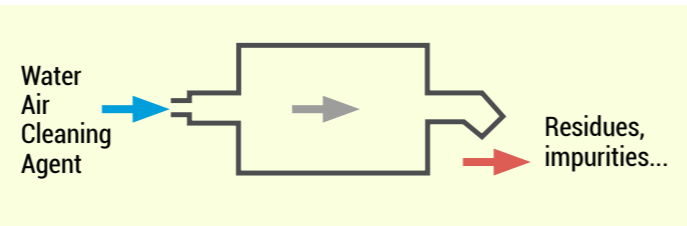
DPF CLEANER MACHINES

Machines designed for cleaning particle filters of any vehicle. OXYHTECH DPF Maxi model for: cars and light vehicles OXYHTECH DPF Maxi 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.

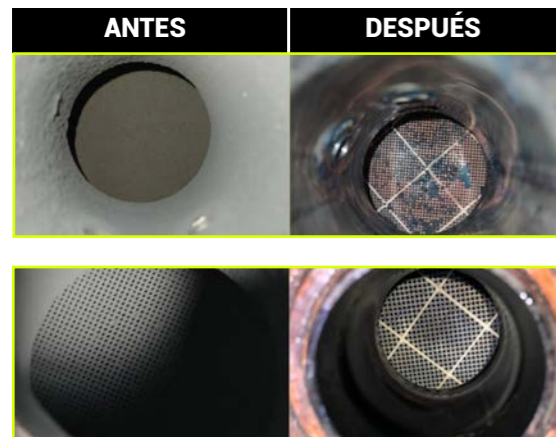
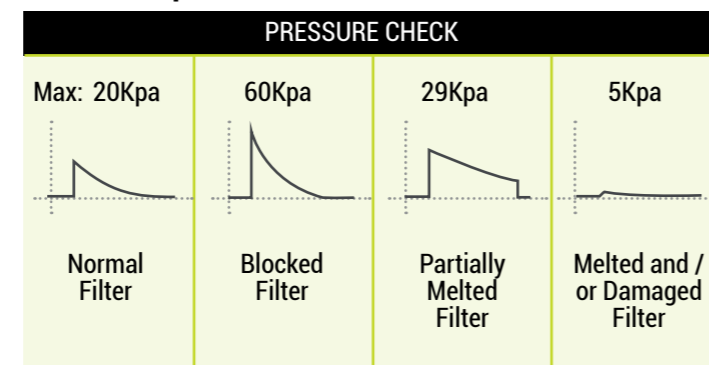
Cleaning process



Automatic cleaning process

DPF CLEANING	AUTO CLEANING
1. Auto clean 2. Press Check	Water: 10 sec Air: 5 sec Count: 30 times

Differential pressure control



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

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 PLUS

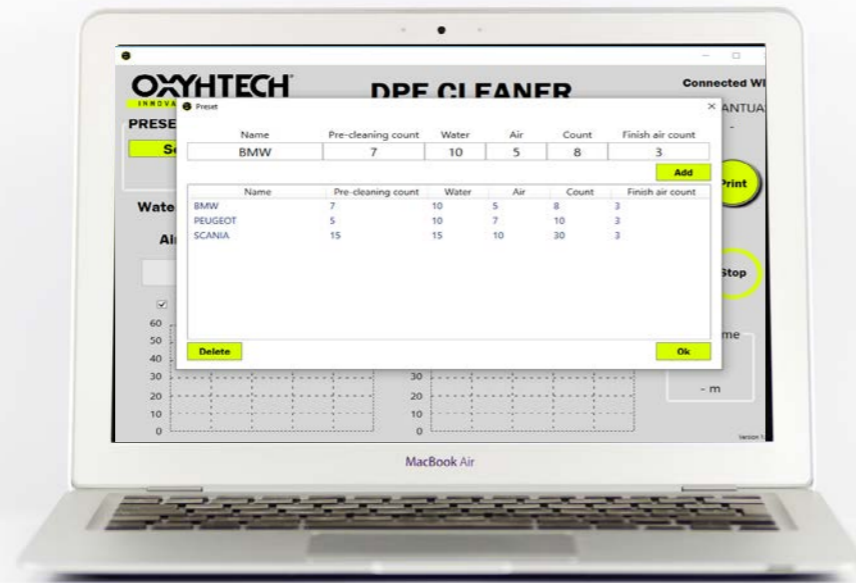
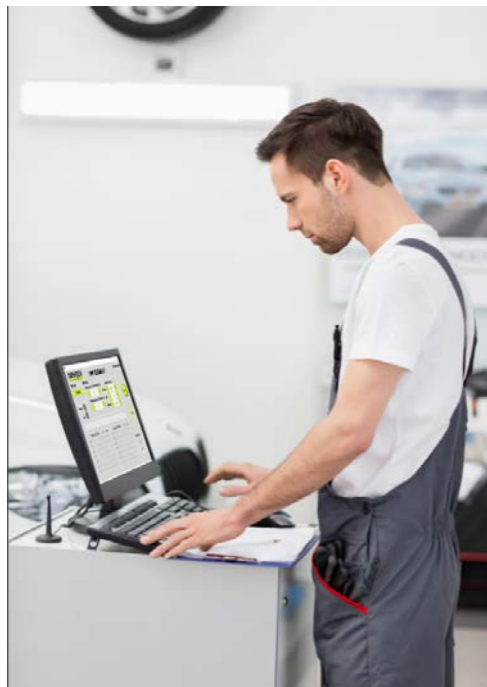
Number of cycles: 5 ~ 60 times
 Air time: 0 ~ 30 seconds per pulse
 Water time: 0 ~ 30 seconds per pulse
 Input voltage:
 110~240V 50 / 60Hz, single-phase
 Internal air tank: 40L
 Weight & dimensions:
 140 Kg. 1.000 x 500 x 1.200 (mm)



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 CLEANER MACHINES

NEW APPLICATION VIA WIFI CONNECTION



CUSTOM SETTINGS

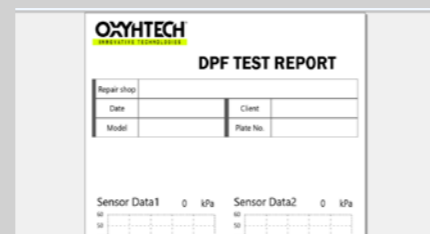
	OXYHTECH DPF CLEANING MACHINE	THERMAL TREATMENT	ULTRASOUND TREATMENT	CHEMICAL ADDITIVES
Cleaning time	2 hours	8 to 48 hours	12 to 24 hours	
Description	<ul style="list-style-type: none"> Cleaning with water and pressurised air, without cutting or welding. 	<ul style="list-style-type: none"> Cut the FAP, put it in the oven, weld the FAP. 	<ul style="list-style-type: none"> Cut the filter. Immerse the FAP in an ultrasonic tank filled with water and product. Ultrasounds form micro-bubbles inside which the temperature is very high. Implosion of bubbles releases carbon deposits. FAP welding. 	<ul style="list-style-type: none"> Place the chemical additives in the vehicle's tank together with the fuel to melt the burnt residues inside the engine and eliminate them through the exhaust pipe.
Equipment required	<p>Machines: 1</p> <ul style="list-style-type: none"> Oxytech DPF Cleaner is a unique machine that performs all cleaning phases (washing + drying) without cutting, baking or welding. 	<p>Machines: 4</p> <ul style="list-style-type: none"> Back pressure tester. Oven. Compressor. Suction booth. Welder. 	<p>Machines: 3</p> <ul style="list-style-type: none"> Ultrasound tank. Compressor - Welder. 	<p>Additive</p> <ul style="list-style-type: none"> A wide range of additives are available; prices vary according to manufacturer and sales channels (from 20€ to 200€).
Advantages/Disadvantages	<ul style="list-style-type: none"> Total removal of PM10 residues. Oil residues removal. Cerin/ADblue residue removal. Efficient cleaning of all types of particulate filters and catalytic converters (cars and heavy duty vehicles, also SCR) of all sizes. Filter safety. Preservation of FAP noble metals. Easy, fast and economical. 	<ul style="list-style-type: none"> Removal of most PM10 deposits. Risk of damaging filter integrity due to cutting and welding. Fusion of the ceramic with the filter walls due to high temperature. Risk of thermal shock that can damage noble metals. 	<ul style="list-style-type: none"> Ineffective cleaning of filter cells. Low efficiency in very dirty filters (oil) and large filters. Risk of damaging the filter due to vibrations generated by ultrasound and bubble implosions. Risk of damaging the integrity of the filter due to cutting and welding. 	<ul style="list-style-type: none"> Easy and cheap. Ineffective: residues are not really removed and are added to those generated by the additive itself, which will further block the particulate filter in the long term.



Adapters for all types of filters



100% guaranteed cleanliness



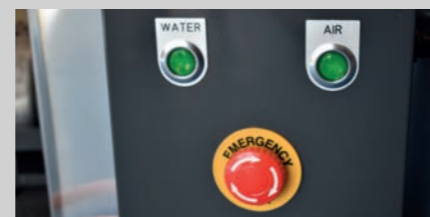
Before and after reports



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

OXYHTECH DIGITAL COMPRESSION TESTER



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 the pistons
- Check the compression of each piston
- Possibility to store and print the test performed and review it as a whole.

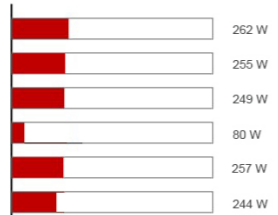
INCREASE YOUR TURNOVER by offering an initial diagnosis that will allow you to offer extra services to your customers.



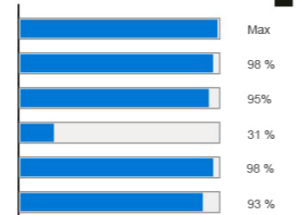
TEST CARRIED OUT ON VEHICLE: **AUDI S3** KM: **112.000**

BEFORE THE ONE-HOUR TREATMENT WITH AN OXYHTECH MAXI CARBON CLEANER

ABSORBED ELECTRIC POWER

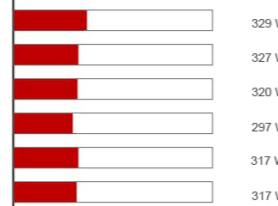


RELATIVE COMPRESSION

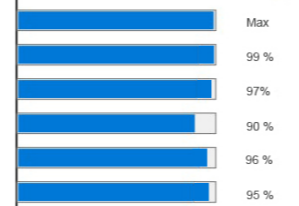


AFTER THE ONE-HOUR TREATMENT WITH AN OXYHTECH MAXI CARBON CLEANER

ABSORBED ELECTRIC POWER



RELATIVE COMPRESSION



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%** ”



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INNOVATIVE TECHNOLOGIES

ANY DOUBTS? CONTACT US

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We will be delighted to help you!

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