

WHY CATALYTIC CONVERTER NEED TO BE CLEANED?

Overtime, depending upon the quality of fuels and usage, Catalytic Converters get clogged with deposits that need to be cleaned. If they are not cleaned then Following Faults may occur

- Declining fuel efficiency
- Check warning light
- Smelling Rotten Eggs
- Issues starting the engine
- Poor acceleration

Moreover user May have to buy a new Catalytic Converter which is Quite an Expensive Job.

APS - Catalytic Converter Cleaning Machine Specification

Dimensions:	1330 x 765 x 610mm
Weight:	80 KG
Voltage:	220 V - 50Hz
Rated Power	3 KW
Running Power	1.6 KW
Heater	3 KW
Vacuum Pump	1.5 KW
Injection:	5 Watt (12 V)
Fluid Pressure:	70 PSI
Fluid Temperature:	45 - 50° C
Water Tank Capacity:	21 Liters
Cleaning Agent Tank Capacity:	7 Liters
Spray Pipe Length:	20 FT
Vacum Pipe Length:	15 FT



Near Sewra Chowk, Opp. Arooj Marriage Hall
Ghaus-ul-Azam Road, Multan.

Contact: 0320-6341187 - 0315-8502310

OUR MISSION

In Pakistan, Catalytic Converter Cleaning is a Hazardous job for the vehicle owner as well as the Environment.

Catalytic Converters are removed from the car and then cleaned with Hazardous Acids which not only remove the Redox Agents (Platinum, Rhodium etc) but harm the vehicle as well. In turn they harm the Environment by releasing Toxic Gases without treatment.

Our Mission is to provide State of the Art Catalytic Converter Cleaning without any hazardous Chemicals and not removing the Catalytic Converter from Vehicle. We clean the Catalytic Converter thus cleaning the Environment.

We Strive for a Better and Cleaner Pakistan

INTRODUCTION

ALLIED POWER SOLUTIONS (APS)

ALLIED POWER SOLUTIONS (APS) is a Pakistani Engineering Firm founded by Mechanical Engineers having vast experience in Automotive Engines, Diagnostics and Troubleshooting Solutions.

In 2018 APS Designed and Manufactured Pakistan's First CATALYTIC CONVERTER CLEANING MACHINE. Since its Conception, the Machine has gone through rigorous Testing and Development.

We are Pleased to inform that Catalytic Converter Cleaning Machine has Passed the tests and is Now a Finished Article which is Easy to Operate, Maintain and Cost Effective comparing to Imported Machines.

WHAT IS CATALYTIC CONVERTER?

A Catalytic Converter is an exhaust emission control device that converts toxic gases and pollutants in exhaust gas from an internal combustion engine into less-toxic pollutants by catalyzing in a Redox Reaction.



WHAT IS INSIDE A CATALYTIC CONVERTER?

The catalyst inside a catalytic converter is made typically from platinum or a similar metal, such as rhodium or palladium. Gases flow through a ceramic honeycomb structure located within the cat housing. This is lined with metals that have specific jobs that play a role in reducing emissions. There are two main types of catalysts that might be featured in a car:

- Reduction catalysts: Help reduce nitrogen oxide pollution by removing oxygen. Nitrogen oxides are broken up into nitrogen and oxygen gases, which on their own are harmless.
- Oxidation catalysts: Used to change carbon monoxide into carbon dioxide through an opposite process of adding oxygen.

Also located near the catalytic converter is an oxygen (O₂) sensor, which works to tell a car's electronic control unit (ECU) how much oxygen is found in the exhaust gases. This helps a vehicle run on a more efficient air/fuel ratio, allowing the engine to supply the converter with enough oxygen to complete the oxidation process.

