

Teknox

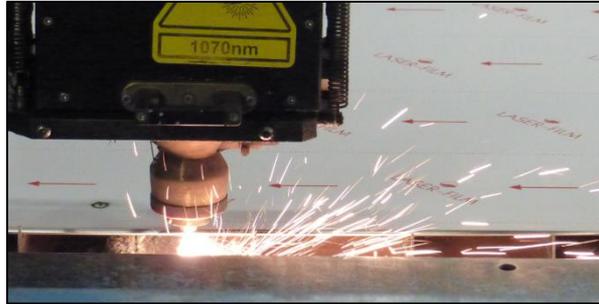


TEKNOX has been manufacturing parts washing machines and machines for surface treatment for over 50 years, so as to be considered one of the leading companies on the market.

- The company was founded in 1967
- Production area and offices for a total space of m² 5000
- Our staff includes 40 collaborators between employees and production.
- 561 parts washing machines produced in the 2017
- Structured company with internal quality management system.
- Constant investments in R&D for new products and staff training.

Production

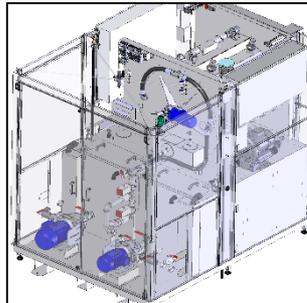
Sheet metal laser cutting by CNC, bending, deburring and welding operations.



Assembly, electrical wiring, testing, after sales customer care, and service in external



Mechanical design, electrical and PLC software design.



Products - Workshop sector - 1



LAVAPEN

High pressure washing.
3 sizes and 3 different models, for special needs.



SERIE P

Automatic washing with rotating basket.
Diameter up to 1200mm and load capacity up to 300kg.



SERIE K

Ultrasonic washing.
Submersible transducer plates.
Submerged agitation and de-oiling system.

Products – Workshop sector - 2



SIMPLEX BIG

Washing cabins with rotating platform with diameters up to 250cm., single-stage or multi-stage for medium/big size parts, with load capacity up to 1000 kg.

A lot of customizations are available thanks to a wide range of accessories.

Products – Industrial sector - 1



UNIX

Parts washing machines with rotating basket, diameter up to 120 cm, single or multi-stage for medium/small size parts, up to 300kg. A lot of customizations are available, thanks to a wide range of accessories.



ROBUR

Parts washing system with rotating basket, diameter up to 250cm. Single or multi-stage, for medium/large size parts, up to 5000kg (5 tons). A lot of customizations are available, thanks to the wide range of accessories.

Products – Industrial sector - 2



ROTOR

Immersion washing system, single and multistage, with holder-parts baskets or pallet.

The loading system can be manual or by robot (of the customer).



ROUNDJET

Washing system for production parts and very short cycle times, it is also suitable for robotic islands thanks to a dedicated piece support.

Products – Industrial sector - 3



TUNNEL

Single and multi-stage washing systems, for post-production parts online treatment. Handling of parts on a stainless steel metal conveyor, pallets with dedicated supports. Possibility to inserting more online tanks, blowing with compressed air, drying with hot air, cooling. Complete process customization with a long list of accessories.

Dedicated control system by Teknox

The interface displays two program screens and a weekly schedule table.

PROGRAM 01 (Step 1: 10 of 180, 10 of 360):

- 1° Bath: 45.0 °C
- 2° Bath: 20.0 °C
- 3° Bath: °C

PROGRAM 02 (Controls disabled):

- 1° Bath
- 2° Bath
- 3° Bath
- Basket
- Programs
- Manual
- Informations
- Settings
- Warnings
- Alarms
- Synoptic

Weekly Schedule Table:

		power on	power off
Monday	deactivated	10 : 0	18 : 0
Tuesday	activated	8 : 0	17 : 0
Wednesday	deactivated	8 : 0	17 : 0
Thursday	deactivated	8 : 0	17 : 0
Friday	deactivated	8 : 0	17 : 0
Saturday	deactivated	8 : 0	12 : 0
Sunday	deactivated	0 : 0	0 : 0

DGTV4

The new control system by Teknox, named DGT V4 consists of a PLC and its commercial touchscreen panel, on which is installed a software specially designed for easy, intuitive and flexible use.

It allows you to customize the main functions of the machine such as cycles time, temperatures, washing programs (up to 16), automatic heating. Monitoring of the active functions, reports, the alarms and much more.

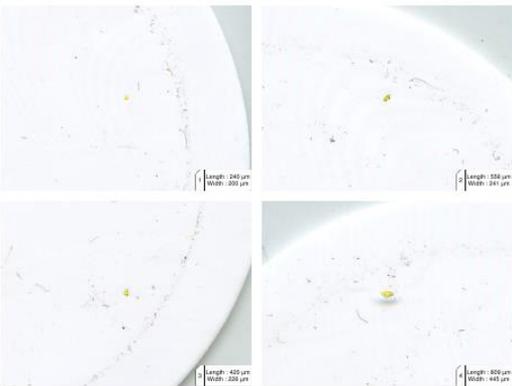
Laboratory for the cleanliness analysis

Particles table

ISO 16232			
Class	Particle count	Standardized count*	Cleanliness level
150 µm - 200 µm (G)	0	0	00
200 µm - 400 µm (H)	1	1	1
400 µm - 600 µm (I)	2	2	2
600 µm - 1000 µm (J)	1	1	1
>= 1000 µm (K)	0	0	00

CCC : A(G00/H1/I2/J1/K00)
* 100 cm² (1 part reported to 100 cm²)

Portfolio



The portfolio shows four circular images of particle counts on a white background. Each image has a scale bar indicating length and width in micrometers (µm). The images show varying densities of small, dark particles, representing different cleanliness levels.



CLEANLINESS

Thanks to a well-equipped internal laboratory, we can perform independently the required washing checks requested in the customer's specifications:

- gravimetric control
- particle size control
- surface tension control



Some references



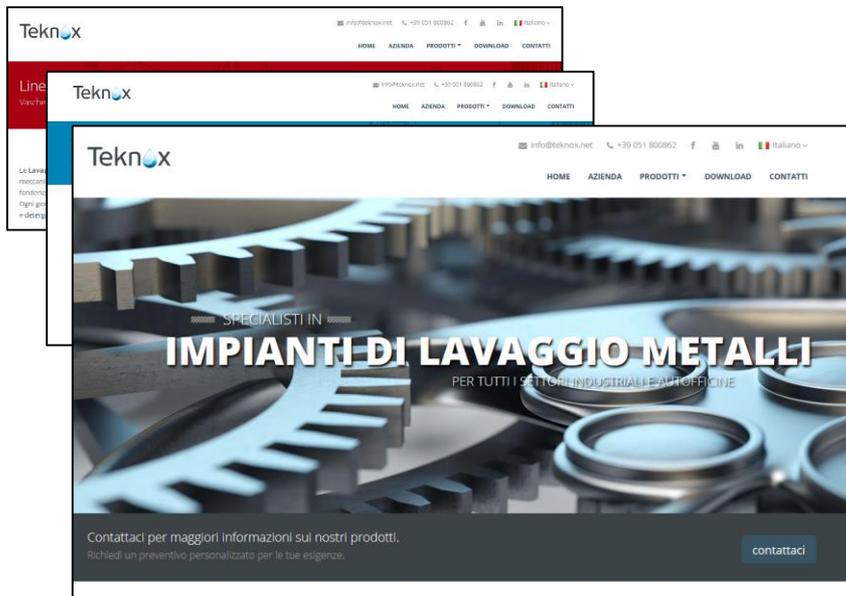
Mercedes-Benz



PIAGGIO®



Where to find us



WEB SITE

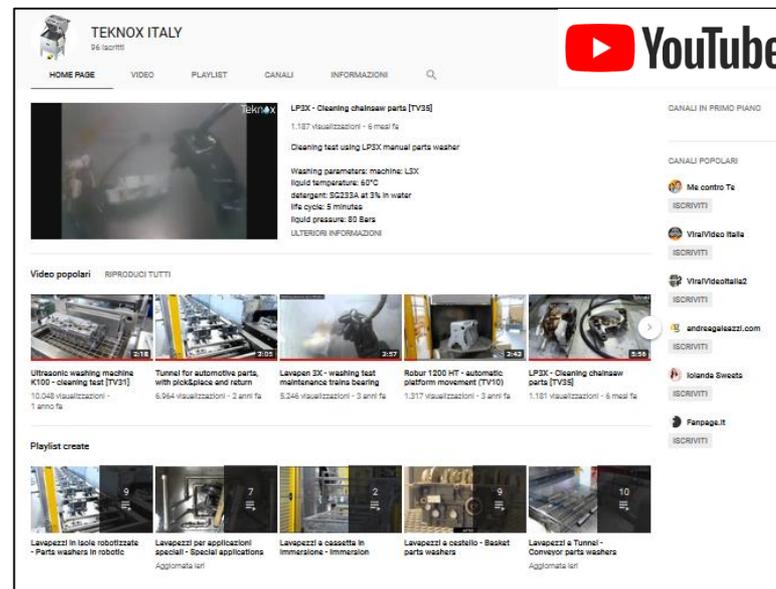
A renewed website in graphics and contents, with the possibility to download catalogs the technical sheets of all installation.

www.teknox.net

EXHIBITIONS

We take part to the main automotive and machine tools exhibitions such as:

MECSPE (Parma), BIEMH (Bilbao), SIMODEC (La Roche-sur-Foron), SALON INDUSTRIE (Paris and Lyon), AUTOPROMOTEC (Bologna), AUTOMECHANIKA (Frankfurt),....



YOUTUBE CHANNEL

Teknox channel on YouTube, containing over 40 videos between standard machines and special applications, constantly updated.

www.youtube.com/user/TEKNOXITALY

Thank you

Teknox 

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