

FEATURES:

- Easy to use
- Fast treatment times
- Vacuum level
- Integrated power generator
- Process control
- Visible plasma process
- Treatment results fully transferable

VacuLAB-X

Table Top Vacuum Unit for Lab Testing and Minor Production



Tantec VacuLAB-X is a compact version of the full scale VacuTEC unit. The VacuLAB-X offers the ability to handle small scale testing and offers the user full control of all parameters. The results from using the VacuLAB-X are easily transferred into full scale VacuTEC units.

The VacuLAB-X is a specially designed compact version of the VacuTEC production unit. The VacuLAB-X is very compact and can easily be moved and used in various departments for a large number of tests and verifications, it can even be used for some minor production batches.

With the integrated Proface panel it is easy to control and monitor the process and all process parameters are displayed.

The VacuLAB-X uses standard ceramic insulated electrodes ensuring that tests on this unit can be transferred to a larger production scale with use of the VacuTEC.

The VacuLAB-X comes with a hinged door and with inspection windows enabling the user to follow the plasma discharge during the entire treatment process.

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Easy to use

Mobile for testing in various departments, and for various parts and projects. Connect to mains power and the unit is ready.

Fast treatment times

High power impact enables treatment times from 10-180 seconds, depending on material.

Vacuum level

The unit operates at a vacuum level 1-4 mbar.

Integrated power generator

A special 300 Watt power generator is completely integrated, and controlled from the touch panel.

Process control

The treatment process is controlled and monitored through the built-in Proface panel with integrated PLC unit.

Visible plasma process

Metal door with inspection windows

Treatment results fully transferable

Using the same concept ensures easy upscaling to full scale production units.

Technical Specifications	VacuLAB Plasma Treater
Mains Voltage and Frequency	230 VAC, 50/60 Hz
Output voltage/plasma power	Max. 400 Vp/max. 2000 Watt
Power supply	Tantec fully integrated X-Lab
Vacuum level	1 - 4 mbar
Plasma treatment time, typical	10-180 seconds, depending on material
Plasma electrode system	Ceramic insulated
Treatable materials	Small parts, polymers, metals and semi-conductors
Dimensions in mm (LxWxH)	600 x 410 x 340
Weight in kg	36
Chamber size, effective, in mm (LxWxH)	120 x 180 x 55
Regulation compliance	CE - ROHS - WEEE