

VSS oven with overpressure

Vacuum Solder System Model VSS-450-300

Signal Tower

Residual Oxygen
1-1000 ppm

Residual Moisture
1-500 ppm

Double security
against power

Formic Acid 100%

Formic Acid
automatic filler
and unfiller

Controlled
process gas line

Integrated
flux trap

Pneumatic opening
of chamber

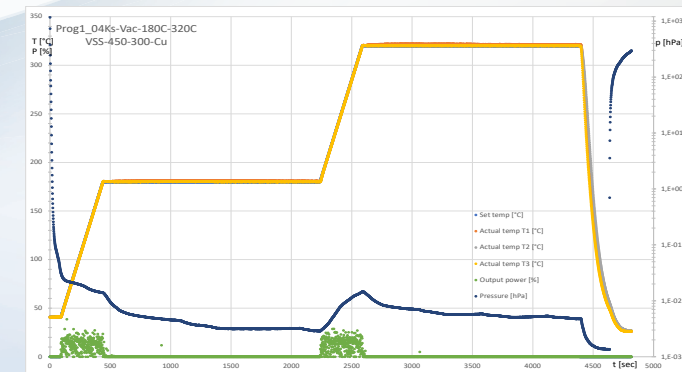
Double hand closing

Overpressure 3×10^3 hPa

Vacuum 1×10^{-3} hPa
(optional 5×10^{-6} hPa)

SPS controller SIMATIC® S7
50 programs with 50 steps each program
datalogging on USB and ethernet
manual or programm control
Touch panel with 7" display
Failure protocol

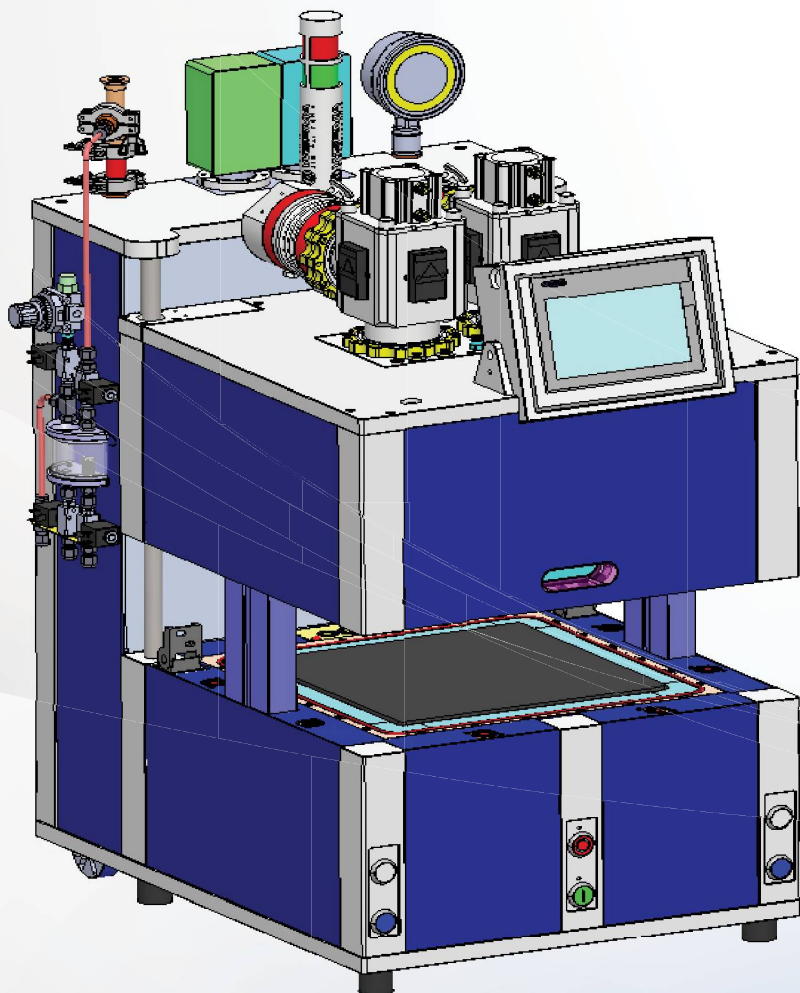
Viewing window for process watch



VSS-450-300 Vacuum profile

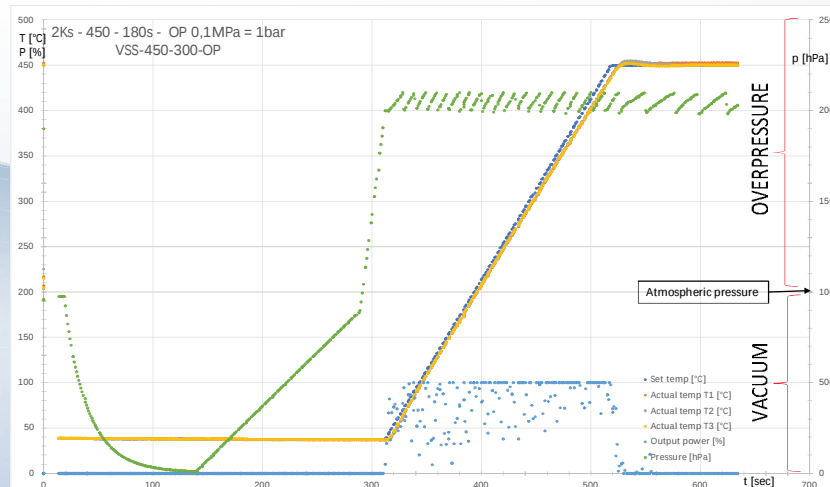
REMARK: this is only an example what options and features are possible. Some of the options are not combinable. Therefore it is strictly recommended to submit a quote according to the customer requirements.

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VSS with open chamber -sample view for a full equipped VSS unit -

Oven Model	VSS-300
max. temperature	450 °C (opt. 650 °C)
Part Holder	320x320x12mm water cooled graphite plate
Chamber height	75mm (opt. 140mm)
Heating (IR)	Bottom (opt. Top) 18 kW (2x)
Cooling	Water cooling
Control	3-Zone PID
Temperature accuracy	± 0,5%
Temperature homogeneity	±1% of set temperature
Ramp up rate	up to 4K/second
Ramp down rate	up to T=450°C>200°C: 90K/min. T=200°C<100°C= 60K/min.



Standard profile of a VSS-450-300 with overpressure

Many options and accessories on request