

# FESTOOL

## Ready for the future?

The vacuum clamping  
system VAC SYS:  
Clamping without limits.  
Clamping without a trace.



**Tools for  
the toughest demands**

Power redefined.



## Our objective: finding impressive practical solutions.

The search for perfection forms the basis of our daily work. The products we launch onto the market always incorporate impressive practical details that exceed the expectations of our customers. Take the new vacuum clamping system VAC SYS for example, which makes the seemingly impossible become possible: **clamping without limits and no marks left behind.** Take a look at this impressive new Festool solution and discover the clamping system of the future.



For flexible, efficient working progress.



## A new feeling of freedom: clamping without limits.

The vacuum clamping system VAC SYS enables you to machine the workpieces from all sides in a single working step. No time-consuming readjustment. Work on the main surface, along the edge or along curves that require **360° rotation** of the workpiece and a **swivelling range of 90°**. The system redefines the concept of freedom and creates the perfect conditions for healthy, ergonomic working progress.



## A powerful yet gentle hold: clamping without a trace.

A dynamic yet gentle hold on the workpiece surface: the specially moulded cups use the vacuum to clamp the workpiece **safely and reliably**. The soft, flexible high-quality plastic is **particularly gentle** and does not scratch or damage even high gloss polished surfaces. The actual clamping unit harnesses the power of the vacuum generated to secure the unit to the work bench. Screws or clamps can be used as an alternative.

The future of clamping begins today.

## Unlimited possibilities: with the correct accessories.

Clever accessories for the new vacuum clamping system VAC SYS will help you overcome any challenge. You can use two clamping units at the same time for larger, heavier workpieces: simply attach clamping unit 2 to clamping unit 1, the vacuum pump and the foot valve. Four different vacuum pads can be used individually for different workpiece sizes and the new multifunction table MFT 3 provides a versatile mobile work space.

Clamp larger, heavier workpieces



### So strong!

Connect clamping unit 1 and clamping unit 2 for even greater flexibility. Combine the units with the VAC SYS to machine particularly large, heavy or curved workpieces efficiently and to a very high standard.



**Rapid vacuum pad changing**



**So versatile!**

Vacuum pads are available in four different sizes, allowing you to clamp curved and undulating workpieces securely. You can change the vacuum pads to match the workpiece size without using tools.

**A practical base**



**So flexible!**

You can connect the VAC SYS to the new multifunction table MFT 3 using an adapter plate and fold the VAC SYS down when not in use. A practical work surface for the workshop and mobile applications on the construction site.



**Fast Fix pad changing:**

Pull the lock, remove the vacuum pad and replace with the vacuum pad of your choice.



**Space-saving:**

You can simply fold the VAC SYS away when no longer needed.

# Refined down to the smallest detail: the new vacuum clamping system VAC SYS



360°

**Ergonomic.**

Rotary handle with 360° rotation for flexible adaptation to the working process. Possible to work on the workpiece from all sides without readjusting the workpiece.



**Gentle on the material.**

The new VAC SYS does not scratch or damage even the most delicate of surfaces.



90°

**Efficient.**

The 90° tilt lever on the clamping unit allows you to machine both the edge and the surface of the workpiece.



**Convenient.**

The Fast Fix system for quick and easy vacuum pad changing.



**Reliable.**

The foot valve allows you to release the vacuum pad while simultaneously holding onto the workpiece with both hands.

**Individual.**

Move the slide valve to select the desired clamping method: secure the unit to the work surface via the vacuum or use screws and clamps.



**Transparent.**

Clearly visible vacuum gauge for complete control of the clamping process.

**Powerful.**

The vacuum pump secures the workpiece in seconds. The clamping unit can safely secure workpieces weighing up to 30 kg.



**Optional extension.**

For large workpieces, simply attach clamping unit 2 to clamping unit 1, the foot valve and the vacuum pump.



**Mobile.**

The pump is compact and lightweight for easy transportation in a Systemer, as are the clamping units. Suitable for use in the workshop, external applications and customer visits.

# The impossible becomes possible: with a system.

## Vacuum clamping unit VAC SYS Set SE 1 (starter set)



## Vacuum clamping unit VAC SYS SE 2 (accessory)



### Applications

- Clamping without limits and traces
- For working comfortable on workpieces
- For routing, sanding, planing, sawing, filling and varnishing applications
- For use in the workshop or in assembly

### The strengths and benefits

- Workpieces can be turned up to 360° and swivelled up to 90°
- Sensitive surfaces can be clamped without damaging them
- Clamping unit 1 clamps workpieces with sizes up to 1x1 m
- Workpieces up to 30 kg per clamping unit are clamped firmly and safely
- Can be extended by clamping unit 2 for large workpieces
- Fast changing of workpiece clamping
- 4 different vacuum plate sizes, can be changed without tools
- Simple ventilation of the vacuum plate using the foot valve

### Technical data

Pump capacity	2.7 m³/h at 50 Hz, 3.5 m³/h at 60 Hz
Voltage	220-240 V
Frequency	50/60 Hz
Type of protection	IP 5x (protected against dust and splash water)
Insulation class	F
Noise level	55 dB (A)
Dimensions	395 x 295 x 210 mm (SYSTAINER SYS 3)
Weight VAC SYS VP	8.0 kg
Working conditions (temp. / air hum.)	0° C to +50° C / 30 % to 95 % (minimum duration of extreme climate conditions: 30 days)
Storage conditions (temp. / air hum.)	0° C to +60° C / 30 % to 95 % (minimum duration of extreme climate conditions: 30 days)
Minimum vacuum	≥ 810 mbar/ ≥ 81 %
Power consumption	160-200 W at 50 Hz, 200-230 W at 60 Hz
Rotational speed	2800 rpm at 50 Hz, 3300 rpm at 60 Hz
Runtime under normal conditions	5000 - 8000 hours
Permissible use of pump	Do not operate in excess of 2000 m above sea level of pump

### Version

	Scope of delivery	Order no.
② VAC SYS Set SE 1	Vacuum pump VAC SYS VP in SYSTAINER SYS 3, vacuum clamping unit VAC SYS SE 1 with vacuum plate VAC SYS VT D 215 mm, vacuum hose and foot valve in SYSTAINER SYS 4	712223
③ VAC SYS SE 2	Vacuum clamping unit VAC SYS SE 2 with vacuum plate VAC SYS VT 275 x 100 mm, vacuum hose and connector in SYSTAINER SYS 4	580062

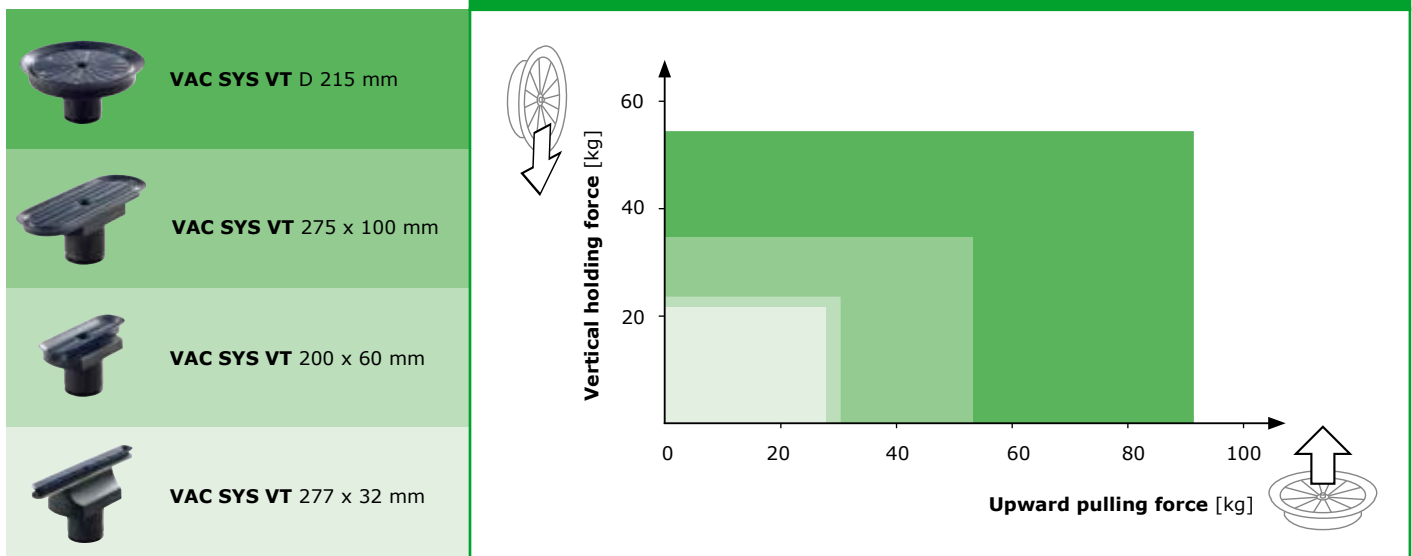
System overview and accessories



System accessories

	Explanations/Dimensions	Order no.
①	Vacuum pump VAC SYS VP VAC SYS vacuum pump in SYSTAINER SYS 3, in a carton	580060
④	Vacuum pad VAC SYS VT 200 x 60 mm Oval vacuum pad, 200 x 60 mm	580064
⑤	Vacuum pad VAC SYS VT 277 x 32 mm Narrow vacuum pad, 277 x 32 mm	580065
⑥	Vacuum pad VAC SYS VT 275 x 100 mm Oval vacuum pad, 275 x 100 mm	580066
⑦	Vacuum pad VAC SYS VT D 215 mm Round vacuum pad, diameter 215 mm	580067
⑧	Foot valve VAC SYS FV For releasing the vacuum pad	580063
⑨	Vacuum hose D 16 x 5 m VAC SYS Vacuum hose, length 5 m	495293
⑩	Adapter VAC SYS AD-MFT/3 Adapter plate for securing the VAC SYS to the multifunction table MFT/3	494977
⑪	Accessories Systainer VAC SYS VT Sort Accessories Systainer SYSTAINER SYS 3, including vacuum pads VAC SYS VT 200 x 60 mm, VT 277 x 32 mm, VT 275 x 100 mm, storage space available for vacuum pad VAC SYS VT D 215 mm	495294

The right cup for every application



Specifications for smooth surfaces such as PMMA (plexiglas®), PF hard fibre (Resitex) and worktops, not MDF or similar materials.



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**Three years guarantee –  
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Dealer