

Vortexes



V-1 plus, Personal Vortex for tubes



Vortex **V-1 plus** is an ideal instrument for gentle mixing to vigorous resuspension of cells and biological and chemical liquid components in tubes using eccentric mechanism.

Vortex has two modes:

Continuous operation;

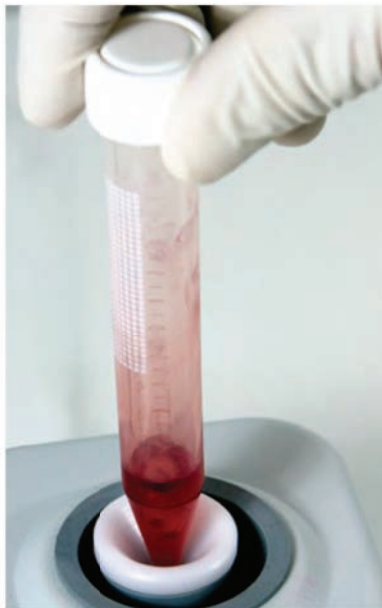
Impulse operation (activated by pressing the cap with the tube bottom).

Specifications:

Eccentric mixing principle	
Speed range	750–3000 rpm
Mixing module for tubes	from 1,5 to 50 ml
Maximum mixing volume	30 ml
Orbit diameter	4 mm
Overall dimensions (W × D × H)	90 × 150 × 80 mm
Weight, not more	1.1 kg
Input current/power consumption	12V, 320 mA / 3.8 W
External power supply	Input AC 100-240 V 50/60Hz; Output DC 12V

Catalogue number:

V-1	MA-010203-AAG
-----	---------------





B Platform PV-32



C Platform PV-6/10



Multi-Vortex **V-32** is intended for intensive stirring of bacterial and yeast cell, washing from the culture medium and extraction of metabolites and enzymes from cells and cell cultures. It is different from V-1 by the possibility of mixing up to 32 tubes simultaneously.

Vortex is applicable for:

- * Performing various DNA operations — deproteinisation of DNA/protein complexes;
- * Purification of low-molecular DNA/RNA fragments in PCR-diagnostic.

Multi-Vortex has two operation modes:

1. Continuous operation;
2. Impulse operation.

V-32 is supplied with a 32-socket universal platform for Eppendorf type tubes up to 1.5 ml (1.5/0.5/0.2 ml — 16/8/8 sockets) and **PL-1** platform for mixing single tube up to 15 ml.

An optional 6-socket platform **PV-6/10** for 10 ml tubes (max. tube diameter 15 mm) can be supplied on request.

Specifications:

Speed range	500–3000 rpm
Time of acceleration	3 sec
Orbit	2 mm
Continuous / impulse operation	
Maximum load	50 gr
Continuous operation time	max. 8 hrs
Dimensions	120 × 180 × 100 mm
Weight, not more	1.5 kg
Input current/power consumption	12V, 320 mA / 3.8 W
External power supply	Input AC 100-240 V 50/60Hz; Output DC 12V

Catalogue number:

V-32	MA-010207-AAG
A PL-1 standard platform	MA-010207-AK
B PV-32 standard platform	MA-010207-CK
C PV-6/10 optional platform	MA-010207-BK

C Platform PV-6/10



A Platform PL-1



MSV-3500, Multi Speed Vortex



Multi Speed Vortex **MSV-3500** is designed for soft or intensive mixing of reagents in different size and type of plastic tubes.

It is designed for operation in life science laboratories working in the fields of biochemistry, cell and molecular biology.

Unit has four (4) types of interchangeable platforms: for Eppendorf type microtest tubes, 10/15/50 ml tubes (diameter 12/16/30 mm). Platforms can be ordered separately or as one set with **MSV-3500**.

Speed and time are under microprocessor control. LCD display indicates two rows of values: the set and actual values of speed and time.

Unit provides high maximum speed of platform rotation efficiently mixing microvolumes (less than 5 µl) of samples.

Specifications:

Speed range	300–3500* rpm <i>* Max. speed is dependent on loading</i>
Time regulation	0–60 min / non-stop
Display	LCD, 2 × 16 signs
Time of acceleration	3 sec
Orbit diameter	4 mm
Maximum load	0.2 kg
Continuous operation time	max. 8 hrs
Dimensions	180 × 170 × 145 mm
Weight, not more	2.9 kg
Input current/power consumption	12V, 1.2 A / 14 W
External power supply	Input AC 100-240 V 50/60Hz; Output DC 12V

Catalogue number:

MSV-3500 with all 4 platforms	BS-010210-TAH
MSV-3500 without platform	BS-010210-AAH

For separate platforms catalogue numbers see table below



MSV-3500
with platform SV-8/15

MSV-3500 with platform SV-4/30



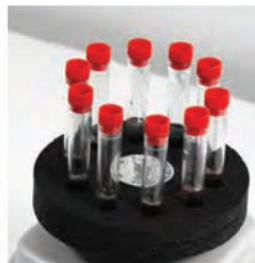
Interchangeable platforms for MSV-3500

Platform	Description	Catalogue number
1 SV-16/8	Platform for 16 × 1.5 ml + 8 × 0.5 ml + 8 × 0.2 ml microtubes	MA-010210-CK
2 SV-10/10	Platform for 10 × 10 ml tubes 12 mm diameter	MA-010210-BK
3 SV-8/15	Platform for 8 × 15 ml tubes 16 mm diameter	MA-010210-DK
4 SV-4/30	Platform for 4 × 50 ml tubes 30 mm diameter	MA-010210-AK

1 **SV-16/8**



2 **SV-10/10**

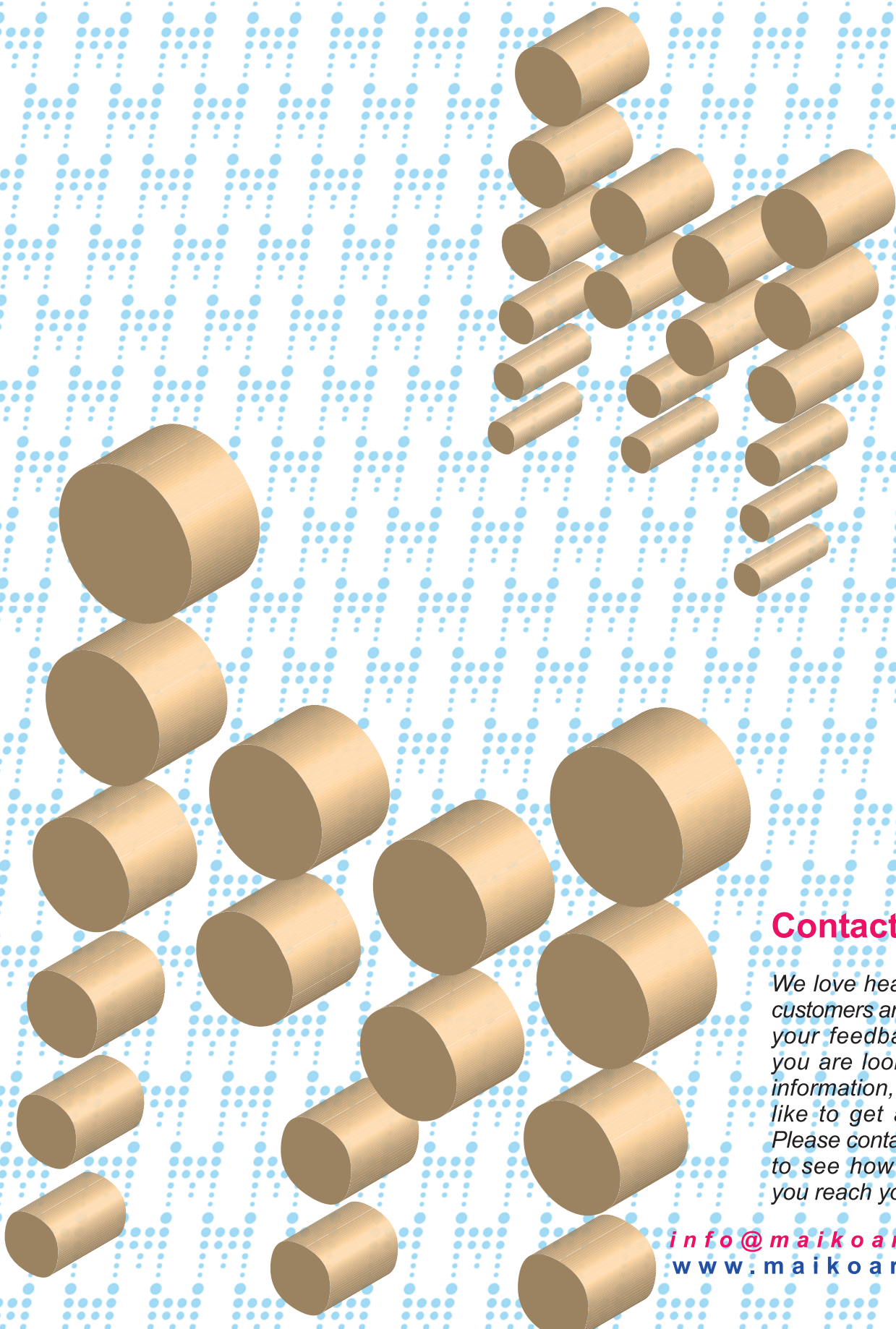


3 **SV-8/15**



4 **SV-4/30**





Contact Us

We love hearing from our customers and we do value your feedback. Whether you are looking for more information, or you would like to get a free quote. Please contact us by email to see how we can help you reach your objectives.

info@maikoarray.com
www.maikoarray.com