



Technical resources

V-type mixer

Model: V5~500

<https://www.tencanballmills.com/en/products/mixed-series/v-type-mixer.html>

09.10.2026 / TENCAN

V-type mixer

Model: V5~500

V-type mixer for uniform blending of dry powders and granules. Ideal for pharmaceutical, food, chemical, metallurgy, and electronics industries.

Technical specifications

Working volume	2~200L
Loading factor	0.4
Mixing power	0.37~7.5KW

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



V-shaped mixer is used to mix powder evenly. It is suitable for mixing two or more dry powdery and

granular materials in pharmaceutical, food, chemical, metallurgy, electronics and other industries. The mixing barrel of the V-shaped mixer has a unique structure. Through mechanical transmission, the materials in the V-shaped cylinder are turned back and forth to achieve uniform mixing. The mixing barrel of V-type mixer is generally made of stainless steel, with polished inner and outer walls. The structural design is not easy to accumulate materials, has the characteristics of high speed, short mixing time, and easy cleaning.



混合筒

桶体内外抛光，均设计成圆滑过渡，可避免物料交叉污染。

控制面板

简易便捷的操作面板，操作灵活。



筒体

筒体材质可选碳钢、不锈钢、尼龙等。

混合筒

内外壁抛光，筒内不积料，速度快，混合时间短。



变频控制器

可根据实验选定理想转速。







It is suitable for mixing two or more dry powdery and granular materials in pharmaceutical, food, chemical, metallurgy, electronics and other industries.

Technical parameters

Specification	Working volume(L)	Total volume(L)	charging factor	Mixing power (KW)	Speed(r/min)
V-5	2	5	0.4	0.37	50
V-10	4	10	0.4	0.37	50
V-20	8	20	0.4	0.75	33
V-50	20	50	0.4	1.5	33
V-100	40	100	0.4	1.5	23

Specification	Working volume(L)	Total volume(L)	charging factor	Mixing power (KW)	Speed(r/min)
V-200	80	200	0.4	3	19
V-300	120	300	0.4	4	14
V-500	200	500	0.4	7.5	12

The V-type mixer is composed of two cylindrical shaped and welded containers. The shape of the container is asymmetrical with respect to the axis. Due to the rotational motion, the powder particles continuously and repeatedly alternate, divide and merge in the inclined cylinder. ; Materials are randomly transferred from one area to another. At the same time, slip occurs between powder and granule particles, and the space is superimposed multiple times. The particles are continuously distributed on the newly generated surface, and shearing, diffusion and mixing are repeated repeatedly.

1. The mixing efficiency is higher for materials with similar particle size and density.
2. It is not easy to break when mixing particles.
3. There is no mechanical extrusion and strong wear, and the material particles can be kept intact.
4. The inside and outside of the barrel are polished and designed with a smooth transition to avoid cross-contamination of materials.
5. The cylinder material can be selected from carbon steel, stainless steel, nylon, etc.
6. Comes with timing function.

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Before operation, review the selected model's instructions and the material requirements.