

05

Concrete Mixer  
混凝土搅拌机

行星式立轴搅拌机

Planet Type Vertical Shaft Mixer

Brief Introduction  
总体介绍

The EP JN planetary mixers with vertical shaft allow the rapid mixing of all types of quality concrete (dry, semi-dry and plastic). The great versatility of the EP JN mixer enables it to be used not only in the production of concrete, but also in the mixing of materials for production of glass, ceramics, refractory materials, etc.

Ep行星式立轴搅拌机适用于快速搅拌所有的高品质混凝土（干硬性，半干硬性和塑性混凝土）并在最短的时间内达到高匀质性。JN搅拌机不仅可以用于搅拌混凝土，还可应用于玻璃，陶瓷，耐火材料等行业。

EP-MACHINE

Concrete	Other building materials	Refractory materials	Other fields
Ready-mixed concrete	Dry mortar	Shaped refractory materials	Glass industry
Pre-cast concrete	Wet mortar	Unshaped refractory materials	Metallurgy industry
Cellular concrete	Plaster	Ceramic	Waste treatment
Colored concrete	Aggregate mixes	Industrial ceramic	Mining industry
Light concrete	Emulsified asphalt	Terracotta plate	Coal industry
Shot concrete	Cement blending		

混凝土	其他建筑材料	耐火材料	其他行业
商品混凝土	干粉砂浆	定型耐火材料	玻璃搅拌
预制混凝土	湿砂浆	不定型耐火材料	冶金行业
泡沫混凝土	石膏	陶瓷行业	废料处理
颜料混凝土	骨料湿料	工业陶瓷	矿井回填
轻质混凝土	乳化沥青	陶板	煤炭行业
喷浆混凝土	水泥粘合剂		



Main Features  
性能特点

1. The gearbox unit, specially designed for a balanced distribution of power to various mixing device, ensures a low-noise rotation without backlash even under severe working conditions. Compared the traditional gearbox, this unit takes less space, and the maintenance space of the mixer can be enlarged 30%.
2. Equipped with a mechanical coupling and a hydraulic coupling (option), which can protect the transmission devices from overloads and impacts.
3. Ni-hard cast iron blades are more wearable. As an alternative, we also offer polyurethane blades for special requirement.
4. According to different materials, the liner and tiles can be made of cast-iron, HARDOX steel plate (Sweden original) or hard surfacing materials.
5. Large access facility is for easy maintenance and cleaning. The key-operated safety switch guarantees the motor cannot be powered with cover open.
6. Hydraulic Unit equipped with manual pump allows the door be opened in case of electric failure.
7. The discharging door is equipped with limit switches, which can be opened at any angle. Maximum three discharging door are available.
8. Moisture sensor and high pressure washout system can be custom-made.
9. From optimal model selection to customized mixer for special application situation, EP can offer a full range of technical support and maintenance services.

1. 特殊研发的减速机，可以将功率平衡有效的分配到各搅拌装置，即使在苛刻的生产条件下，也可以保证搅拌机高效低噪音运转。同时更加节省空间，与传统的减速机相比较，搅拌机的维修空间可提升30%。
2. 弹性联轴器和液力耦合器(选配项)可以有有效的保护传动系统免受过载的冲击。
3. 高镍合金的搅拌叶片更加耐磨损，同时有聚氨酯叶片可选配。
4. 针对搅拌不同的物料，衬板可选用铸铁，瑞典进口HARDOX耐磨板和高耐磨堆焊材料。
5. 大尺寸检修门方便检修及清理。钥匙安全控制装机保证检修时，搅拌机不会误启动。
6. 液压卸料系统设有手动开关装置，在断电情况下可以手动开门。
7. 卸料门装有限位开关，可以根据需要方便的设定开门大小，量多可以开三个卸料门。
8. 湿度传感器和高压清洗装置可选配。
9. 从最优的型号选择到特殊应用场合的个性化定制，以及维护和服务工作，我们能够是供全方位的技术支持和保障。



Technical Parameters  
技术参数

项目 Item	单位 Unit	JN500
进料容量 Charging Volume	L	750
出料容量 Discharging Volume	L	500
搅拌功率 Mixing Power	KW	18.5
行星*搅拌叶片数量 Mixing star*Mixing blade	Qty.	1*2
侧刮板/卸料刮板数量 Side Scraper/ Discharge Scraper	Qty.	1/1
卸料功率 Discharge Power	KW	2.2
整机重量 Weight	KG	2500

JN750	JN1000	JN1250	JN1500	JN2000	JN2500	JN3000
1125	1500	1875	2250	3000	3750	4500
750	1000	1250	1500	2000	2500	3000
30	37	45	55	75	90	110
1*3	2*2	2*2	2*2	3*2	3*3	3*3
1/1	1/1	1/1	1/1	1/2	1/2	1/2
2.2	3	3	3	4	4	4
3500	5500	6000	6500	8500	10500	11000

注：由于我们不断对产品进行性能完善和改进，产品参数以实物为准。  
Technical data may change due to technical progress. Be subject to modification without notice.

Options  
选选项

Moisture Sensor  
湿度传感器

Accurate control of moisture and temperature, can make the material achieve the best quality.  
高精确的动态物料温度、湿度测量，提供最精确的物料搅拌过程中含湿量及温度测量，使物料特性有更高要求。

High Pressure Washout System  
高压清洗系统

1. For all mixer makes.
2. Automatic high-pressure cleaning integrated in the production process.
3. Productivity increase due to shorter cleaning times.
4. Reduction of labor costs due to automation of the cleaning process.
5. Less wear and tear of the mixer.
6. Water saving due to exact spraying geometry of the 3D nozzle systems.
7. Cleaning water can be used as mixing water for the next batch.

1. 适用于所有结构的搅拌机
2. 全自动高压清洗
3. 清洗时间短可以提高生产效率
4. 可以节省劳动成本
5. 及时有效的清洗可以降低搅拌机的磨损
6. 高效的3D喷头用水量少且精准
7. 清洗水可以循环用于搅拌加水

EP-MACHINE

EPMACHINE.com