

WEPM

立轴行星搅拌机

Vertical axis planetary mixer



完美均匀混合的理想解决方案 THE IDEAL SOLUTION FOR PERFECTLY EVEN MIXING

立轴行星搅拌机WEPM搅拌均匀、无死角，其搅拌叶片采用公转加自转的运行原理，运动轨迹可覆盖整个搅拌箱。

The vertical axis planetary mixer WEPM mixes evenly with no dead angles. Its mixing blades operate on the principle of both rotation and revolution, covering the entire mixing chamber with their trajectory.



搅拌系统结构紧凑，易于清理维护。搅拌臂设置保护套，搅拌叶片采用高耐磨合金钢材料，这保证了不同颗粒尺寸，不同密度的物料在短时间内完美的搅拌，混合在一起。卸料门系统为扇形结构，开关门采用液压驱动（可定制），卸料门密封可靠、限位控制准确。适用于各种骨料、粉料等特殊物料的混合搅拌，应用于建材、混凝土、耐火材料、化工、铸造、冶金、陶瓷、玻璃等行业。

The mixing system has a compact structure, making it easy to clean and maintain. Protective sleeves are installed on the mixing arms, and the mixing blades are made of highly wear-resistant alloy steel material. This ensures perfect mixing of materials with different particle sizes and densities in a short period of time, blending them together seamlessly. The discharge gate system is designed in a fan shape, and the opening and closing of the gate are hydraulically driven (customizable). The sealing of the discharge gate is reliable, and the position control is accurate.

Suitable for mixing and blending various special materials such as aggregates and powders, applicable to industries such as building materials, concrete, refractories, chemicals, casting, metallurgy, ceramics, glass.

技术参数 - Technical Parameter

型号 Model	进料容量 Input capacity L	进料容量 Input capacity KG	出料容量 Output capacity L	行星和搅拌刀 Planetary/blade N.	搅拌功率 Mixer Power kw	液压功率 Hydraulic Power kw	公转转速 Speed of rotor	自转转速 Speed of mixing star	直径 Diameter	重量 Weight KG
WEPM750/500	750	1,200	500	1/3	22	2.2	16	46	1,900	1,770
WEPM1125/750	1,125	1,800	750	1/3	30	2.2	16	46	2,300	2,000
WEPM1500/1000	1,500	2,400	1,000	2/4	55	2.2	16	46	2,500	2,450
WEPM2250/1500	2,250	3,600	1,500	2/6	75	2.2	19	41	2,800	2,800
WEPM3000/2000	3,000	4,800	2,000	3/6	90	2.2	9	29	3,300	2,850

优势 - Benefits

- ✓ 最小残留量
Minimum residue
- ✓ 高效搅拌
Efficient mixing
- ✓ 对物料无污染
No pollution to materials
- ✓ 易于清理
Easy clean
- ✓ 检修门开口尺寸大，方便安装维护，检修门设置安全开关
Large size of access door, convenient installation and maintenance, access door set safety switch
- ✓ 使用寿命长
Long service life

特点 - Technical Features



扇形结构卸料门，密封可靠，限位控制精准
Fan-shaped structure discharge gate, reliable sealing, precise position control.

特别设计的搅拌系统，能快速均匀搅拌，无死角。
The specially designed mixing system can mix quickly and evenly without dead angle.



减速箱采用优质合金钢以及硬齿面减速传动使其传动平稳、效率高，承载能力高、噪音低、使用寿命长。
The gearbox adopts high-quality alloy steel and hardened gear transmission, ensuring smooth transmission, high efficiency, high load-bearing capacity, low noise, and long service life.



1 | 高效混合

High-efficiency mixing

批料的高效且强力的混合作用，能够在尽可能短的周期内实现最大程度的均质化。即便是要求最为严苛的批料设计，也能借助搅拌臂与桨叶的有效设计及旋转，得到彻底充分的混合。

The efficient and powerful mixing action of the batch materials can achieve the greatest homogenization in the shortest possible cycle. Even the most demanding batch designs can be thoroughly mixed with the effective design and rotation of the stirring arms and paddles.

2 | 外置式卸料闸门

External discharge gate

WEPM型搅拌机因配备外置式卸料闸门，整体高度较低，且便于进入搅拌机内部进行操作与维护。

独立的液压动力装置负责驱动卸料门。为应对工厂停电情况，配备了手动泵用于开启卸料门。卸料门的开口尺寸较大，能够实现快速卸料，同时也可通过接近开关将卸料门开启至不同程度。

WEPM mixers have a low overall height due to the externally mounted discharge gate, and provide easy access to the interior of the mixer for operation and maintenance.

The design of the mixer hood reserves multiple large material inlets. Cleanout/access doors can be installed at different locations, equipped with quick-release latches, pneumatic cylinders for keeping them open, and electronic safety switches that stop the mixer operation when the doors are opened.



3 | 电机和液压涡轮联轴器

Motor and hydraulic turbine coupler

传动系统有着坚固且紧凑的设计，仅采用一台电机便可实现高效运作。

在WEPM1500及以上型号中，液压涡轮联轴器为标准配置。此外，所有WAM搅拌机均可选装变频器，以便对搅拌臂的速度进行优化调节。

The drive system features a robust and compact design, achieving efficient operation with just one motor.

The hydraulic turbine coupling is standard equipment on WEPM1500 and above models. Additionally, all WAM mixers can be optionally equipped with a frequency converter to optimize the adjustment of the mixing arm speed.





4| 检修门

Inspection doors

清洁/检修门可安装在不同位置，其配备快速释放门锁、用于保持开启状态的气动活塞以及电子安全开关，当门打开时，这些电子安全开关会停止搅拌机的运行。

Cleaning/inspection doors can be installed at various positions. They are equipped with quick-release latches, pneumatic cylinders for holding the door open, and electronic safety switches that stop the mixer when the door is opened.



5| 清洁和维护

Cleaning and maintenance

WEPM搅拌机维护需求低，齿轮箱油每2500小时才需更换一次。除旋转搅拌部件外，均采用集中油脂润滑，此为标准配置。此外，还可选配电机驱动的自动油脂润滑泵，操作更便捷。电气部件均已预先连接到电气接线盒上。

WEPM mixers have low maintenance requirements, with the gearbox oil needing to be replaced only every 2500 hours. Except for the rotating mixing components, centralized grease lubrication is the standard configuration. In addition, an optional motor-driven automatic grease lubrication pump is available for more convenient operation. Electrical components are all pre-connected to the electrical junction box.



6| 可选配置

Cleaning and maintenance

作为一项可选配置，搅拌机可以配备一个取样门。所有WAM搅拌机均可选配斗式提升机，用于向搅拌机内添加批次物料。WAM提供倾斜式斗式提升机，可实现高达90°的倾斜角度；此外，还有标准的60°非倾斜底卸式斗式提升机可供选择。

As an optional configuration, the mixer can be equipped with a sample gate. All WAM mixers can be optionally equipped with a skip hoist for adding batch materials to the mixer. WAM offers inclined skip hoists that can achieve an inclination angle of up to 90°; in addition, there is also a standard 60° non-inclined bottom-discharge type skip hoist available for selection.



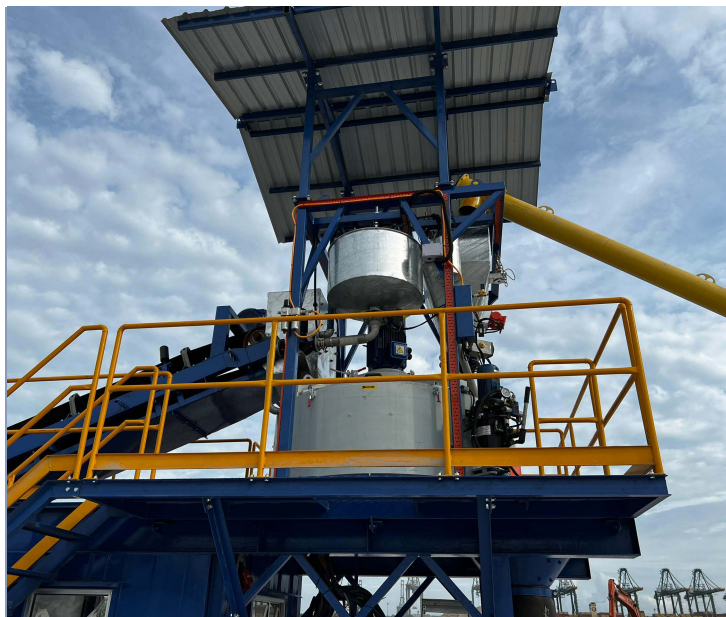
7| 喷嘴

Nozzle

生产用水通过多个喷嘴喷入搅拌机。

Production water is sprayed into the mixer through multiple nozzles.

应用 - Application



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