



04

YJS Twin-shaft Concrete Mixer

YJS系列双卧轴混凝土搅拌机

产品简介

Brief Introduction

YJS twin-shaft concrete mixing machine can be used independently, also be applicable to the Commercial Ready Mix Concrete Plant, working with PLD series of Aggregate Batching Machine. Normally used in bigger construction projects, such as high building, railway bridge, river construction, airport project, etc. Their productivity are much bigger, and mixing effect is much better. This kind of Dual-axe Concrete Mixers are well know as their Italy-tech design.

YJS系列双卧轴搅拌机可以独立使用，也可以与PLD骨料配料站配合工作用于预拌混凝土搅拌站。该系列主机为中大型工程施工提供技术先进、运行可靠的保障，因为主机罐体容积大，物料搅拌时循环速度快，搅拌效率高，整体外观采用意大利式设计。

Technical Features

1. Electric lubricating oil pump: Supplying oil to the four shaft-end respectively with four pump cores,without by-pass valve,to avoid blocking of by-pass valve,decreasing maintenance and service.
2. Shaft-end seal: Original-imported parts installation, include wear-resisting rubbers, labyrinth seal, floating seal and lubricating oil seal, to avoid cement and slurry closed to shaft-head;
- 3.Gear box: Adopt Italy gear box, long service life,lower noise, no oil leakage.
4. Discharging system: Hydraulic discharging system, strong drive force, reliable discharging, can open discharging gate at any angle with manual discharging function; The discharging door adopts detachable structure, convenient for maintenance.

1. 电动润滑油泵：采用四个泵芯分别向四个轴头供油，不需使用分流阀，避免分流阀堵塞，减少维修和保养的工作量。
2. 轴端密封：在轴头之间采用进口配件组装的多重轴端密封，例如耐磨橡胶密封、迷宫密封、浮动式密封和油封，有效避免水泥及泥浆接近轴头，延长搅拌机使用寿命。
3. 减速机：可采用意大利原装进口或高性能国产配件生产，性能可靠，噪音低。
4. 卸料装置：采用液压卸料装置，驱动力大，可靠，卸料门可开启任意角度；具有手动卸料功能；卸料门采用可拆卸结构，方便维修。

技术特点

Working principle

Concrete mixer is one kind of construction machine which can mix cement, aggregate, water into concrete mixture material.

Concrete mixer is made of mixing drum, loading material device, unloading material device, water supply system, power supply device, transmission device, mechanical frame and supporting device.

Concrete mixer makes the various of material mixing equally in macroscopically and microcosmically, break the reunion phenomenon of cement powder, promote dispersion of behavior.

Concrete mixer breaks the film parcel layer of the initial water compound on surface of cement powder.

Concrete mixer promotes the crash and friction among the different material, reduce the impact of dust film.

Concrete mixer increases the sporting times of various material units, and the crossover frequency of movement locus, speed up the homogeneity.

混凝土搅拌机是把水泥、砂石骨料和水混合并拌制成混凝土混合料的机械。

混凝土搅拌机主要由搅拌筒、加料和卸料机构、供水系统、原动力、传动机构、机架和支撑装置等组成。

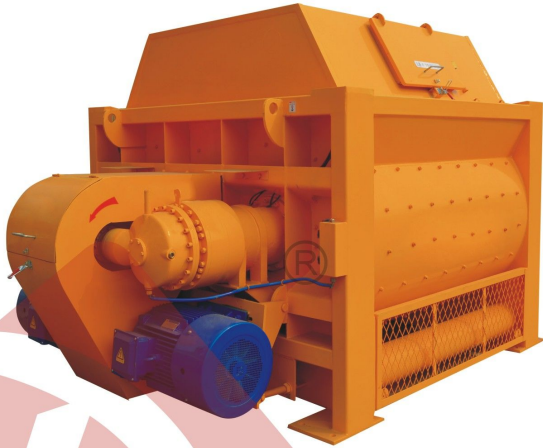
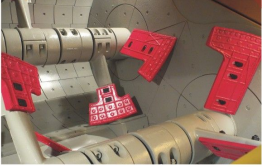
混凝土搅拌机使各组成成分宏观与微观上均匀，并且混凝土搅拌机破坏水泥颗粒团聚现象，促进弥散现象的发展。

混凝土搅拌机破坏水泥颗粒表面的初始水化物薄膜包裹层。

混凝土搅拌机促使物料颗粒间碰撞摩擦，减少灰尘薄膜的影响。

混凝土搅拌机提高拌合料各单元体参与运动的次数和运动轨迹的交叉频率，加速匀质化。

工作原理



Main configuration and parameters

主要配置与参数

型号 Model	YJS1000	YJS1250	YJS1500	YJS2000	YJS2500	YJS3000	YJS3500	YJS4000
出料容量 Discharging Volume (L)	1000	1250	1500	2000	2500	3000	3500	4000
进料容量 Charging Volume (L)	1500	1750	2250	3000	3750	4500	5300	6000
最大骨料粒径 Max. Aggregate (mm)	80/100	80/100	80/100	80/100	80/100	80/120	80/100	80/150
搅拌周期 Mixing time (s)	≤60	≤60	≤60	≤60	≤60	≤60	≤60	≤60
主电机功率 Motor power (kw)	18.5×2	22×2	30×2	37×2	45×2	55×2	55×2	75×2
外形尺寸 Dimension (mm)	2810×3200×1920	3020×2000×1920	3230×2000×1920	3460×2320×2140	3670×2320×2140	3880×2600×2200	4100×2600×2200	4670×2600×2200
重量 Weight (kg)	5200	5500	5800	7500	8500	9200	9600	12200