



混凝土搅拌站
CONCRETE MIXING PLANT



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德国技术

GERMAN TECHNOLOGY

专业、极致，源自德国施维英的顶级技术

Specialty and acme originates from the top-level technology of SCHWING Germany

中国制造

MADE IN CHINA

落地德国制造高标准，实现产品的高可靠、超耐用

By implementing the high standard of German-made realizes highly reliable and durable products.

卓越品质

EXCELLENT QUALITY

用心设计，细节彰显尊重，品质赢得未来

Carefully designed, details demonstrates respect and quality wins the future.



技术全面升级

COMPREHENSIVELY UPGRADED TECHNOLOGY

V7系列混凝土搅拌站

CONCRETE MIXING PLANT

生产更高效

More efficient production

控制更智能

More intelligent control

计量更精准

More accurate weighing

搅拌更均匀

More uniform agitating

定制更全面

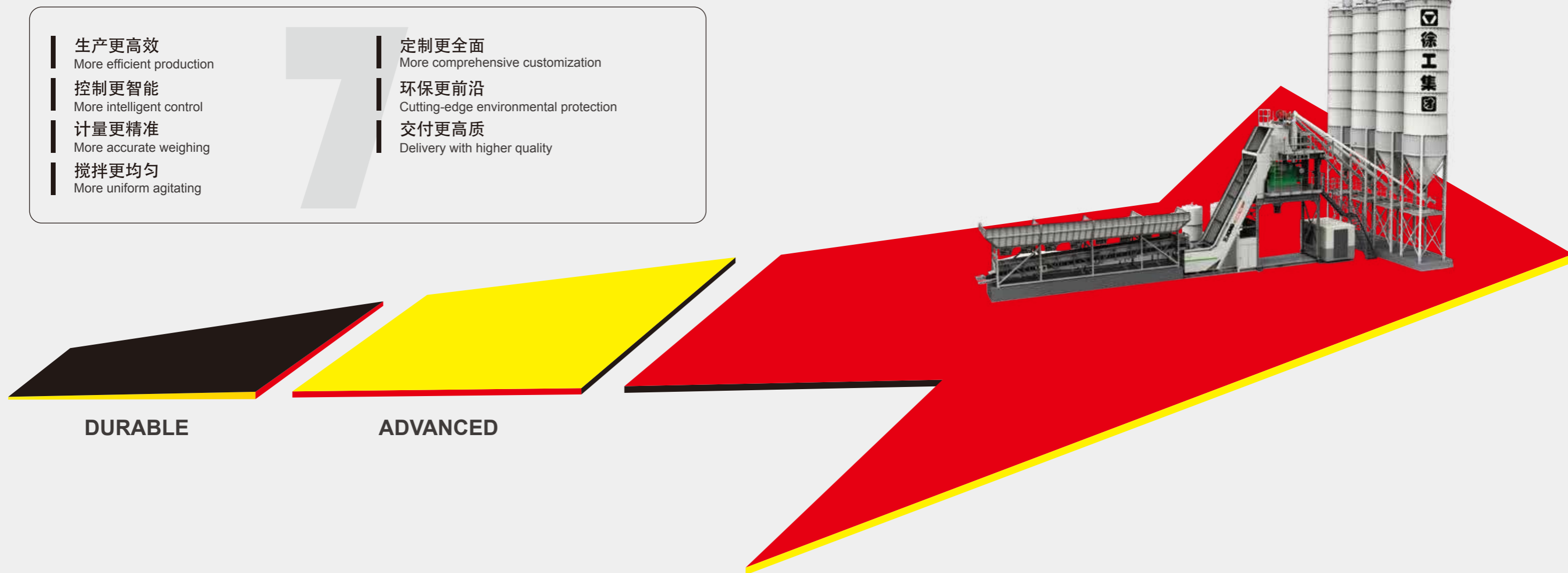
More comprehensive customization

环保更前沿

Cutting-edge environmental protection

交付更高质

Delivery with higher quality



NO.1

MORE EFFICIENT PRODUCTION 生产更高效

配料更稳定 STEADIER BATCHING

- 骨料配料采用特有的“三直面”防堵料口结构，配料顺畅。
- Unique “Three-straight-face” anti-blocking gate structure is adopted to provide smooth batching of aggregate.
- 液体配料具有“止回”功能，消除空管，即时启动、即时出料。
- Liquid batching is provided with “non-return” function, which can eliminate empty pipe and start and discharge immediately.

输送更高效 MORE EFFICIENT DELIVERY

- 皮带秤采用整体推进技术，输送效率提升40%。
- Overall propelling technology is used for belt weigher, improving delivery efficiency by 40%.
- 提斗机采用独有的非变频、纯机械式变速卷扬，零速启、高速提、低速停，速度快，冲击小。
- Elevating hopper feeder adopts unique mechanical variable-speed winch without frequency conversion, which can realize zero-speed start, high-speed hoist and low-speed stop, with high speed and small impact.

流程更紧凑

MORE COMPACT PROCEDURE

- 控制流程全景式仿真设计，消除流程衔接冗余，骨料采用流量逻辑控制，输送无空段，效率高。
- Panoramic simulation design is used for control procedure to eliminate redundant link-up of procedures. Logic control of aggregate is used to ensure no dead band in delivery and high efficiency.

NO.2

MORE INTELLIGENT CONTROL 控制更智能

功能强大 POWERFUL FUNCTIONS

- 客户管理、配方管理及生产数据管理；一键洗机、数字化标定、监控黑匣子等功能。
- The machine is provided with customer management, formula management, production data management, and such functions as cleaning by one key, digital calibration and monitoring of black box.

稳定可靠 STABILITY AND RELIABILITY

- 基于冗余、安全和抗干扰设计理念的电控架构，可靠稳定的高端电气元件，具备应急生产功能，运行更可靠，生产更连续。
- The electrical control framework is designed based on the design concept of redundancy, safety and anti-interference, with reliable and stable high-end electrical components and emergency production functions, providing more reliable operation and better continuous production.

操作简单 SIMPLE OPERATION

- 基于微软的人性化交互设计，参数固化匹配，无需修改，出现问题一键恢复。
- Based on the human-based interactive design of Microsoft, parameters are well-matched and fixed, with no need for alteration, and if there is problem, they can be restored with one key.



NO.3

MORE ACCURATE WEIGHING 计量更精准

计量器具更精准

MORE ACCURATE WEIGHER

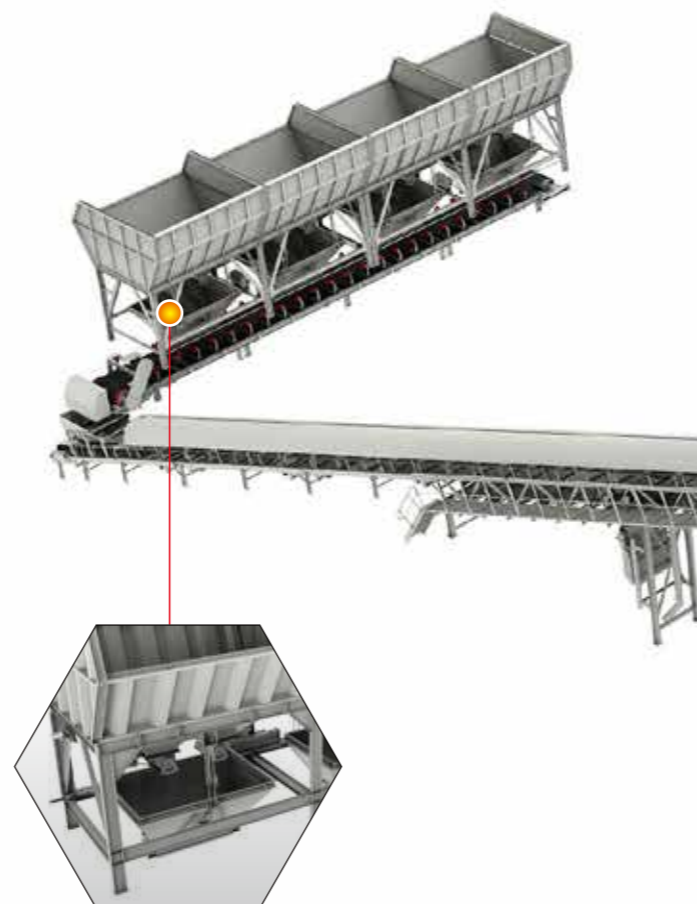
- 三点式拉秤计量架构，对中性好，抗干扰能力强。
- Three-point staying weighing framework features good centering property and strong anti-interference performance.
- 外加剂秤采用双应变扭力梁传感器，抗偏载能力强，精度可达“克”级。
- Additive weigher adopts a sensor with dual strain torsion beam, featuring strong load-deflection resistance and “gram”-level precision .
- 基于气压平衡技术的粉料计量，有效缓解气压和机械扰动，水泥不再“亏料”。
- The powder weighing is designed on the basis of air pressure balance technology, effectively easing up air pressure and mechanical disturbance, with cement no longer “under weight”



配料系统更稳定

STEADIER BATCHING SYSTEM

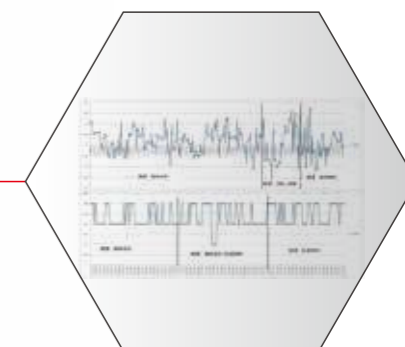
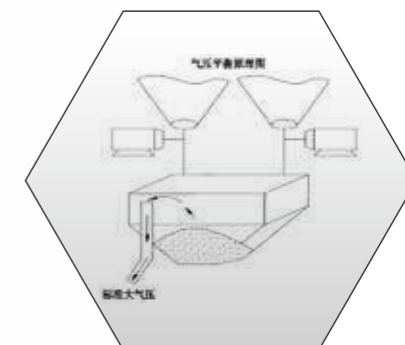
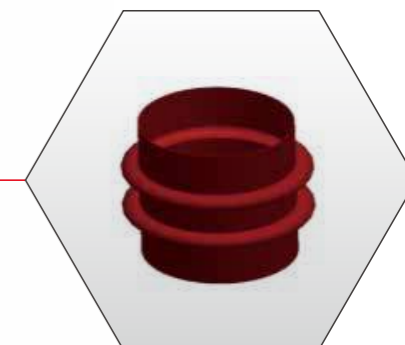
- 粗精称双速配料技术、料流稳控技术两大系统技术，完美兼顾配料效率和精度。
- The two systematic technologies-double batching of rough and fine weighing and stability control of material flux-perfectly take account of batching efficiency and precision.
- 骨料配料采用分级流量控制，流量可调；“三直面”防堵料口结构，配料顺畅、精准。
- Aggregate batching adopts grading flow control, with flow adjustable; “three-straight-face” anti-blocking gate structure realizes smooth and precise batching.
- 外加剂配料采用自流式精称+阀控断料，断料迅速彻底。
- Additive batching adopts self-flowing fine weighing + valve-controlled cut-off, with materials cut off rapidly and thoroughly.



配料策略更智能

MORE INTELLIGENT BATCHING STRATEGY

- 配料参数智能调整，快速适应不同工况，配料精度波动小。
- Batching parameters can be intelligently adjusted to rapidly adapt to different working conditions, with little fluctuation in batching precision.
- 基于工作环境的振动模型，优化的称重算法，降低振动干扰，计量稳定。
- The vibration model based on work environment and optimized weighing algorithm can reduce vibration interference and provide stable computation.

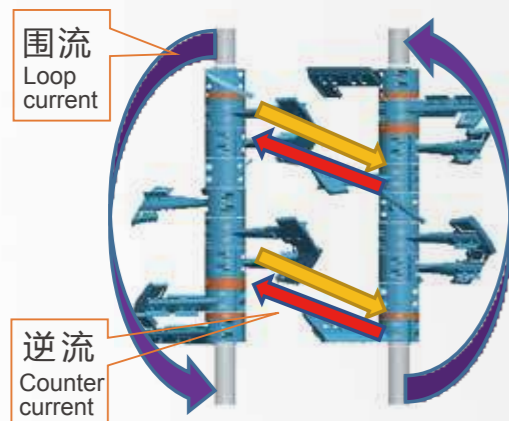


NO.4

MORE UNIFORM AGITATING 搅拌更均匀

搅拌高效 MORE EFFICIENT AGITATING

- 螺旋围流搅拌技术，物料循环更快，逆流更剧烈，搅拌更均匀，搅拌效率高于同行10%。
- Spiral loop-current mixing technology features faster material cycle, more violent countercurrent and more uniform agitating, with agitating efficiency 10% higher than its counterparts.

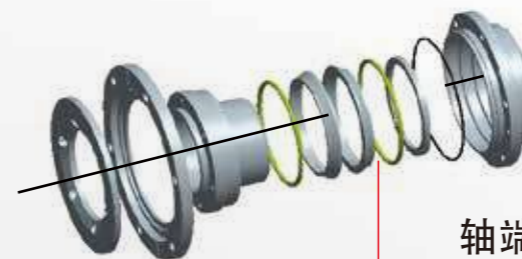


搅拌原理
Mixing principle

耐磨件寿命长

LONG SERVICE LIFE OF WEAR PARTS

- 等寿命设计，优化的热处理工艺和元素配比，耐冲击性及抗磨性高，寿命长、使用成本低。
- Equal service life design, optimized heat treatment technology and element matching provide high shock resistance and abrasion resistance, long service life and low use-cost.

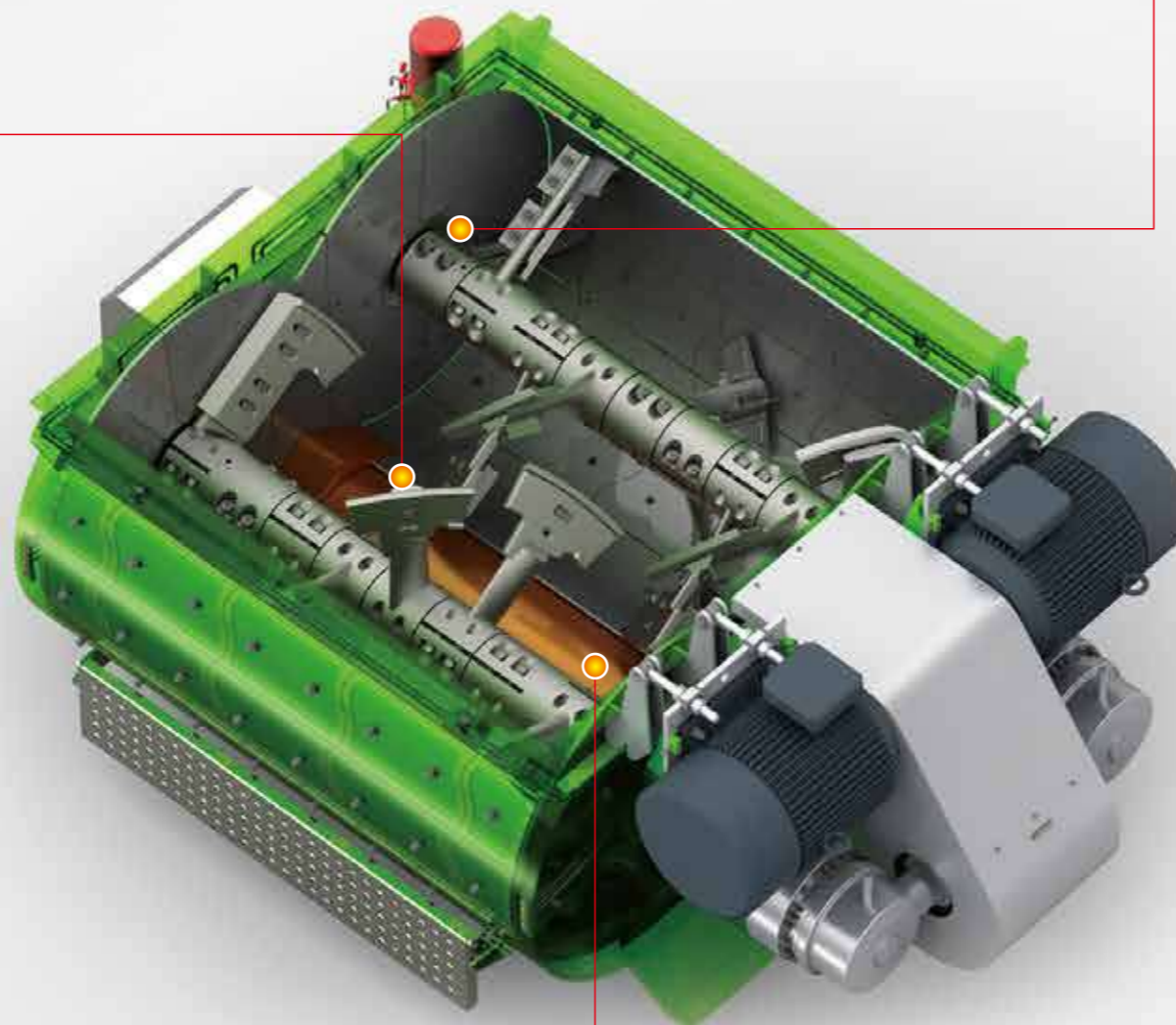


轴端密封可靠 RELIABLE SHAFT-END SEAL

- 优化的“S形迷宫+浮动油封+骨架油封”三重密封技术，寿命提升25%，3000小时不漏浆。
- Optimized triple sealing technology of “S-shaped labyrinth+ floating oil seal+ framework oil seal” is used, improving the service life by 25%, without leakage in 3000 hours.

不抱轴 NO SHAFT SEIZING

- 精准的投料位置，优化的投料时序，合理的供水口布局，解决抱轴难题，极大降低清理劳动强度。
- Accurate feed position, optimized feed sequence and proper layout of water supply vents are designed to solve shaft seizing problem, greatly reducing cleaning intensity of labor.



运行状态数字化监控

DIGITAL MONITORING OF OPERATING STATE

- 实时监控搅拌机运行数据，智能维保提醒，辅助故障排查。
- The machine is provided with real-time monitoring of mixer's operating data, intelligent maintenance prompt and auxiliary troubleshooting.



NO.5
MORE COMPREHENSIVE CUSTOMIZATION
定制更全面

工艺订制
CUSTOM-MADE TECHNOLOGY

- 依托温控、搅拌、输送等技术，满足客户一机多用、极寒极热施工、特殊混凝土生产等个性化工艺定制。
- By relying such technologies as on temperature control, agitating and delivery, such individualized customization as one machine serving several purposes, construction in extremely cold and hot areas and production of special concrete can be satisfied.

物流订制
CUSTOM-MADE LOGISTICS

- 多样的物料输送方式相结合，因地制宜，满足客户个性化需求。
- Multiple delivery methods of materials are combined to follow local conditions and meet customer's individualized requirements.

环保订制
CUSTOM-MADE ENVIRONMENTAL-CARE

- 全方位、立体式的环保措施，有效控制粉尘、废水、废渣、噪音的污染。
- All-around and 3D environmental measures are taken to effectively control the pollution from powder dust, waste water, waste slag and noise.

信息化订制
CUSTOM-MADE IT

- 利用物联网、云服务、数据分析等前沿技术，形成了GCC集团管控、车联网、ERP等信息化管理系统实现人、车、泵、站全面管控。
- With such cutting-edge technologies as the Internet of Things, cloud service and data analysis, such IT management systems as GCC group control, telematics and ERP are formed to realize all-around control of people, vehicles, pumps and plants.

NO.6

CUTTING-EDGE ENVIRONMENTAL-CARE 环保更前沿

- 徐工不仅提供常规的环保方案，还致力于更前沿环保技术的应用与开发。
- XCMG not only provides conventional environmental schemes, but commits itself to the application and development of cutting-edge environmental technologies.



NO.7

DELIVERY WITH HIGHER QUALITY 交付更高质

- 快速的生产响应、高质的预装预调、严格的验收标准，成就最高水平的交付速度和质量。
- With fast production response, high-quality preassembly and presetting, and strict acceptance standard, delivery can be done with the highest-level speed and quality.



厂内预装、预调 IN-PLANT PREASSEMBLY AND PRESETTING

- 标准化、模块化设计，最大化实现零部件预装配，安装质量更高、速度更快。
- With standardized and modularized design, parts preassembly can be realized to the greatest degree, with higher mounting quality and faster speed.
- 全方位厂内调试，模拟真实生产流程，对控制系统、电器柜、搅拌主机、计量系统等进行全面测试。
- All-around in-plant debugging and simulation of practical production procedure are done to realize comprehensive testing of control system, electrical cabinet, mixer and weighing system, etc.

远程智能验收 REMOTE INTELLIGENT ACCEPTANCE

- 线上实时监控生产运营工况，输出评估报告，远程可视化验收，保证整机调试质量。
- With on-line real-time monitoring of production operation conditions, export of evaluation reports and remote visualized acceptance can be realized to ensure the overall debugging quality.



搅拌站参数 Mortar Machinery-Mortar Pump



标准商混站 STANDARD COMMERCIAL MIXING PLANT

类别	MODEL	单位 UNIT	HZS90V	HZS120V
理论生产率	Theoretical production rate	M³/h	90	120
卸料高度	Discharge height	m	4	4
搅拌主机型号	Mixer type		JS1500	JS2000
搅拌功率	Mixer power	kW	2×30	2×37
搅拌主机公称容量	Nominal volume of mixer	L	1500	2000
生产周期	Production period	S	60	60
最大骨料粒径	Max. diameter of aggregate	mm	≤60	≤60
骨料仓容量	Volume of aggregate silo	m³	3×15	4×15
粉料仓容量(可选)	Volume of powder silo (optional)	t	3×100	4×150
配料站配料能力	Capability of batching plant	L/Silo	2400	3200
斜皮带机输送能力	Capability of inclined belt conveyer	t/h	456	456
水泥螺旋输送机生产率	Productivity of cement spiral conveyer	t/h	90	90
粉煤灰螺旋输送机生产率	Productivity of flyash spiral conveyer	t/h	45	45
标配装机容量	Standard installed capacity	kW	153	170
砂、石计量范围及精度	Weighing range and accuracy of sand and stone	kg	(500~1800)±2%	(500~2400)±2%
水泥计量范围及精度	Weighing range and accuracy of cement	kg	(200~900)±1%	(400~1200)±1%
粉煤灰计量范围及精度	Weighing range and accuracy of flyash	kg	(100~400)±1%	(200~600)±1%
水计量范围及精度	Weighing range and accuracy of water	kg	(90~300)±1%	(100~400)±1%
外加剂计量范围及精度	Weighing range and accuracy of additive	kg	(10~40)±1%	(10~40)±1%

类别	MODEL	单位 UNIT	HZS180V	HZS270V
理论生产率	Theoretical production rate	M³/h	180	270
卸料高度	Discharge height	m	4	4
搅拌主机型号	Mixer type		JS3000	JS4500
搅拌功率	Mixer power	kW	2×55	2×75
搅拌主机公称容量	Nominal volume of mixer	L	3000	4500
生产周期	Production period	S	60	60
最大骨料粒径	Max. diameter of aggregate	mm	≤80	≤80
骨料仓容量	Volume of aggregate silo	m³	4×25	4×30
粉料仓容量(可选)	Volume of powder silo (optional)	t	4×200	2×200 + 2×300
配料站配料能力	Capability of batching plant	L/Silo	4800	7200
斜皮带机输送能力	Capability of inclined belt conveyer	t/h	700	900
水泥螺旋输送机生产率	Productivity of cement spiral conveyer	t/h	110	170
粉煤灰螺旋输送机生产率	Productivity of flyash spiral conveyer	t/h	90	90/110
标配装机容量	Standard installed capacity	kW	270	360
砂、石计量范围及精度	Weighing range and accuracy of sand and stone	kg	(1080~3600) ±2%	(1620~5400) ±2%
水泥计量范围及精度	Weighing range and accuracy of cement	kg	(540~1800) ±1%	(1000~2700) ±1%
粉煤灰计量范围及精度	Weighing range and accuracy of flyash	kg	(240~800) ±1%	(400~1200) ±1%
水计量范围及精度	Weighing range and accuracy of water	kg	(240~800) ±1%	(400~1200) ±1%
外加剂计量范围及精度	Weighing range and accuracy of additive	kg	(20~60) ±1%	(30~100) ±1%

环保搅拌楼 ENVIRONMENTAL MIXING TOWER

类别	MODEL	单位 UNIT	HLS180V	HLS270V
理论生产率	Theoretical production rate	M³/h	180	270
卸料高度	Discharge height	m	4	4
搅拌主机型号	Mixer type		JS3000	JS4500
搅拌功率	Mixer power	kW	2×55	2×75
搅拌主机公称容量	Nominal volume of mixer	L	3000	4500
生产周期	Production period	S	60	60
最大骨料粒径	Max. diameter of aggregate	mm	≤80	≤80
骨料仓容量	Volume of aggregate silo	m³	4×40	4×50
粉料仓容量(可选)	Volume of powder silo (optional)	t	4×300	4×300
配料站配料能力	Capability of batching plant	L/Silo	4800	7200
斜皮带机输送能力	Capability of inclined belt conveyer	t/h	480	600
水泥螺旋输送机生产率	Productivity of cement spiral conveyer	t/h	110	170
粉煤灰螺旋输送机生产率	Productivity of flyash spiral conveyer	t/h	90	90/110
标配装机容量	Standard installed capacity	kW	295	370
砂、石计量范围及精度	Weighing range and accuracy of sand and stone	kg	(1080~3600) ±2%	(1620~5400) ±2%
水泥计量范围及精度	Weighing range and accuracy of cement	kg	(540~1800) ±1%	(1000~2700) ±1%
粉煤灰计量范围及精度	Weighing range and accuracy of flyash	kg	(240~800) ±1%	(400~1200) ±1%
水计量范围及精度	Weighing range and accuracy of water	kg	(240~800) ±1%	(400~1200) ±1%
外加剂计量范围及精度	Weighing range and accuracy of additive	kg	(20~60) ±1%	(30~100) ±1%

工程提斗站 ENGINEERING BUCK-TYPE MIXING PLANT

类别	MODEL	单位 UNIT	HZS60VG	HZS90VG
理论生产率	Theoretical production rate	M³/h	60	90
卸料高度	Discharge height	m	4	4
搅拌主机型号	Mixer type		JS1000	JS1500
搅拌功率	Mixer power	kW	2×18.5	2×30
搅拌主机公称容量	Nominal volume of mixer	L	1000	1500
生产周期	Production period	S	60	60
最大骨料粒径	Max. diameter of aggregate	mm	≤60	≤60
骨料仓容量	Max. diameter of aggregate	m³	3×10	3×10
粉料仓容量(可选)	Volume of powder silo (optional)	t	2×60	2×100
配料站配料能力	Burdening capability of burdening plant	L/Silo	1600	2400
提升斗输送能力	Conveying capability of loader elevator	t/h	120	180
螺旋输送机生产率	Productivity of spiral conveyer	t/h	45	90
标配装机容量	Standard installed capacity	kW	95	138
砂、石计量范围及精度	Measuring range and accuracy of sand and stone	kg	(500~2500) ±2%	(500~3200) ±2%
水泥计量范围及精度	Cement measuring range and accuracy	kg	(100~500) ±1%	(240~800) ±1%
粉煤灰计量范围及精度	Fly ash measuring range and accuracy	kg	—	—
水计量范围及精度	Water measuring range and accuracy	kg	(90~300) ±1%	(100~400) ±1%
外加剂计量范围及精度	Additive measuring range and accuracy	kg	(4~20) ±1%	(10~30) ±1%

搅拌站参数 Mortar Machinery-Mortar Pump



工程提斗站 ENGINEERING BUCK-TYPE MIXING PLANT

类别	MODEL	单位 UNIT	HZS120VG	HZS180VG
理论生产率	Theoretical production rate	M³/h	120	180
卸料高度	Discharge height	m	4	4
搅拌主机型号	Mixer type		JS2000	JS3000
搅拌功率	Mixer power	kW	2×37	2×55
搅拌主机公称容量	Nominal volume of mixer	L	2000	3000
生产周期	Production period	S	60	60
最大骨料粒径	Max. diameter of aggregate	mm	≤60	≤80
骨料仓容量	Max. diameter of aggregate	m³	4×10	4×25
粉料仓容量 (可选)	Volume of powder silo (optional)	t	2×100	4×200
配料站配料能力	Burdening capability of burdening plant	L/Silo	3200	4800
提升斗输送能力	Conveying capability of loader elevator	t/h	240	360
螺旋输送机生产率	Productivity of spiral conveyer	t/h	90	110
标配装机容量	Standard installed capacity	kW	175	297
砂、石计量范围及精度	Measuring range and accuracy of sand and stone	kg	(1000~4500) ±2%	(1000~6600) ±2%
水泥计量范围及精度	Cement measuring range and accuracy	kg	(400~1200) ±1%	(540~1800) ±1%
粉煤灰计量范围及精度	Fly ash measuring range and accuracy	kg	(200~600) ±1%	(240~800) ±1%
水计量范围及精度	Water measuring range and accuracy	kg	(100~400) ±1%	(240~800) ±1%
外加剂计量范围及精度	Additive measuring range and accuracy	kg	(10~40) ±1%	(20~60) ±1%

移动站 MOBILE MIXING PLANT

类别	MODEL	单位 UNIT	HZS40VY	HZS60VY	HZS75VY
理论生产率	Theoretical production rate	M³/h	40	60	75
卸料高度	Discharge height	m	4	4	4
搅拌主机型号	Mixer type		JS750	JS1000	JS1500
搅拌功率	Mixer power	kW	30	2×15	2×30
搅拌主机公称容量	Nominal volume of mixer	L	750	1000	1500
生产周期	Production period	S	60	60	60
最大骨料粒径	Max. diameter of aggregate	mm	≤60	≤60	≤60
骨料仓容量	Max. diameter of aggregate	m³	4×5	4×5	4×8
粉料仓容量 (可选)	Volume of powder silo (optional)	t	—	—	—
配料站配料能力	Burdening capability of burdening plant	L/Silo	1200	1600	2400
皮带机输送能力	Conveying capability of loader elevator	t/h	90	120	150
螺旋输送机生产率	Productivity of spiral conveyer	t/h	—	—	—
标配装机容量	Standard installed capacity	kW	69	76	95
砂、石计量范围及精度	Measuring range and accuracy of sand and stone	kg	(500~2500) ±2%	(500~2500) ±2%	(500~3200) ±2%
水泥计量范围及精度	Cement measuring range and accuracy	kg	(100~500) ±1%	(100~500) ±1%	(200~800) ±1%
水计量范围及精度	Water measuring range and accuracy	kg	(40~200) ±1%	(40~200) ±1%	(100~400) ±1%
外加剂计量范围及精度	Additive measuring range and accuracy	kg	(10~30) ±1%	(10~30) ±1%	(10~30) ±1%

施工案例 Construction cases



山东蒙阴2HZS270V (标准商混站)
2HZS270V (standard plant in Shandong Mengyin)



南京中核2HZS180V (标准商混站)
2HZS180V (standard concrete plant) in Nuclear Group, Nanjing



潮州翔华2HZS270V (商混站)
2HZS270V (concrete plant) in Chaozhou Xianghua



新迪2HZS180V (标准环保站)
2HZS180V (standard environmental-care plant) in Xindi



长春翔城2HZS240V (顶置环保站)
2HZS240V (bottom-mounted environmental-care mixing plant) in Xiangcheng, Changchun



南京海华5HZS270V (顶置环保站)
5HZS270V (bottom-mounted environmental-care mixing plant) in Nanjing Haihua

施工案例

Construction cases



邢台中联2HLS180V (环保搅拌楼)
2HLS180V (environmental mixing tower)
in China United Cement Xingtai Co.Ltd. (CUCC)



广州长丰3HLS270V(环保搅拌楼)
3HLS270V (environmental mixing tower) in Guangzhou



巴基斯坦HZS60VG(工程提斗站)
HZS60VG (engineering buck-type mixing plant) in Pakistan



西宁高速HZS120VG(工程提斗站)
HZS120VG (engineering buck-type mixing plant) for Xining expressway



磨万铁路2HZS120V(高铁工程站)
2HZS120V(engineering plant for high-speed railway)
for China-Laos railway construction



中老铁路样板工程2HZS120V(高铁工程站)
2HZS120V,(engineering plant for high-speed railway)
Sample Railway in Laos,China



江苏电建2HZS180V (快搬站)
2HZS180V (quick-handling mixing plant) in Jiangsu
Electric Power Construction Co.,Ltd.



菲律宾HZS40VY(移动站)
HZS40VY (Mobile plant) in the Philippines



埃及新首都项目2HZS120V(工程站)
2HZS120V,(Engineering mixing plant)New capital project in Egypt



中交科特迪瓦HZS120V(工程站)
HZS120V (Engineering mixing plant) of
China Communications Construction in Ivory Coast



海阳核电2HZS150VG (核电站)
2HZS150VG (mixing plant for nuclear power plant construction)
in Haiyang Nuclear Power Plant



陆丰核电4HZS150VG(核电站)
4HZS150VG (mixing plant for nuclear power
plant construction) in Lufeng nuclear power plant