



Concrete mixing plant

HZS Series



OLIVIER

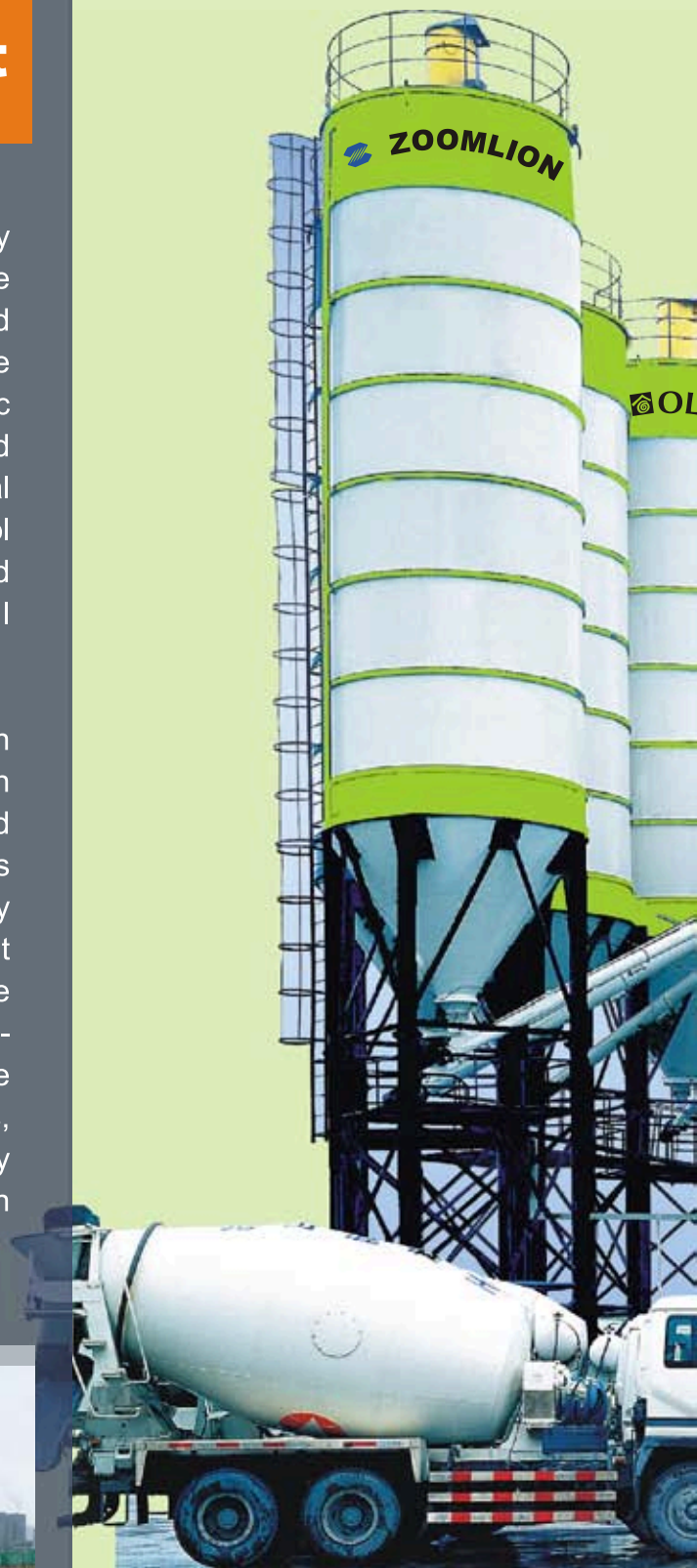
OLIVIER GROUP is the exclusive dealer for

 **ZOOMLION**

Introduction of **ZOOMLION** Concrete Mixing Plant

ZOOMLION has specialized in concrete machinery research and development. Early in 1982, we successfully developed the HZS25, HZD50 and HZS75 series of concrete mixing plants for the Chinese market. We have provided Chinese domestic manufacturers with comprehensive technology and know-how and we are still providing key intellectual property rights and devices in mixing plant control technology to industrial manufacturers until today and have accumulated decades of successful experience.

HZS series of concrete mixing plant have been designed and improved on the basis of rich research experience of ZOOMLION, assimilating advanced technology and scientific research achievements from worldwide industrial leaders. The newly developed high performance concrete mixing plant features a modular structural design, reasonable layout, easy installation and convenient transportation. It can be widely used for large scale construction projects such as highways, bridges, airports, seaports, etc. and is also widely approved by commercial concrete production centers for urban construction.





High Performance Main Mixer

The main mixer adopts a twin horizontal shaft compulsory concrete mixer made by SICOMA China, which is originally from a leading Italian concrete mixer manufacturer.

- Multiple mixing-blades and a unique angle of mixing-blades, ensure a rapid and well proportioned mixing ability and high productivity. It only takes 30 seconds for mixing a single tank of material
- Excellent mixing performance, is suitable for mixing various kinds of concrete;
- Highly wear-resistant mixing blades and liner plates made from chrome molybdenum ensure an extralong service life;
- Unique patented air purge sealing technology effectively stops mortar and slurry.
- Automatic lubrication system ensures that the mixing system runs stably and reliably for a long time;
- Water ejector ensures faster and betterproportioned mixing of water and mixing materials, and also ensures the main mixer can be better cleaned;
- Hydraulic discharging device can adjust the opening range of discharging gates according to demands in order to control the discharge velocity and avoid leaking when concrete is discharged into the transit vehicle.



Main Mixer

High Quality Batcher

- Fine batcher ensures high-precision batching;
- High-performance weighting sensor ensures accuracy, stability and reliability;
- World's leading brands are adopted for major components, highly reliable;
- A reasonable structure and fine steel ensure high intensity and beautiful appearance;
- Stable transmission ensures continous and uninterrupted material feeding;
- Capable of batching four different kinds of materials simultaneously, quick and highly efficient;
- Screw tightening device at the end of bell ensures easy and quick adjustment of conveying belt tightness if necessary;
- Vibrators equipped on the parietal side of sand-tank and sand-batcher are beneficial for quick batching and discharging.



Batcher



Mixing Blades and Liner Plates



 ZOOMLION



 **ZOOMLION**



Accurate Batching Performance and Batching System

- Weighting, controlling and signal conversion components by world's leading brands. High-precision sensors are controlled by an advanced industrial computer. Single and cumulative batching are both stable and accurate;
- Spiral conveyor specially designed for powder feeding, efficient for conveying;
- Butterfly-type valves from WAM corporation ensure excellent sealing and reliable reaction;
- Water and additives are both weighted in rough and fine batchers, high-precision is ensured.

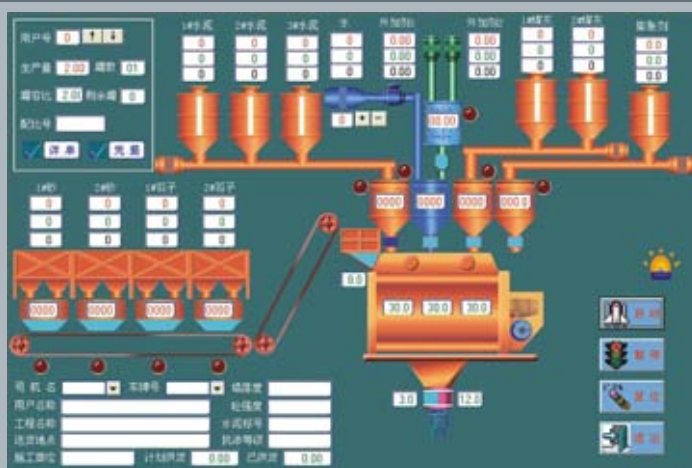
Well Designed Belt Conveyor

- Materials are conveyed in a closed environment thus avoiding dust and loss of material, environmentally-friendly;
- Twin walkway along the conveyor, convenient for maintenance;
- Nylon belt (NN200) ensures stable transmission of materials and long service life;
- Automatic alarm in case of any deviations and pull-switch for emergency stop ensure a safe operation;
- Forward sloping slot roller can automatically rectify deviations;
- Gravitational sorting device is adjustment free;
- The central collector for dropped materials is easier to clean;
- Blue-colored glass-reinforced plastic on the top is good-looking and a practical shelter.

Powerful Electric Control System

The whole system is controlled by an advanced industrial computer plus PLC and display instruments. PLC is responsible for signal sampling and output control. The industrial computer can synchronously display the production process and management, and auxiliary instruments can display the batching data of different batchers. Automatic and manual control can be realized and the operation process is simple, user-friendly, reliable and expandable.

- Dedicated weighting technology ensures the accuracy and reliability of the batching system;
- The user-friendly monitoring interface is able to clearly and accurately simulate the work on the job-site;
- Convenient batcher verifying function with digital weighting verifying technology, able to adjust the batcher in a simple and straightforward way through industrial control computers;
- Able to automatically track and correct fall;
- Able to modify the proportion of batching materials and water online;
- Able to instantaneously alarm and indicate system failure;
- Production database management, able to create, query and calculate the production data;
- Able to print production report, including current tank, current vehicle and other statistic report;
- Powder tank volume management, able to automatically calculate the consumption of powder in every single tank, accurately display the storage level of powder;
- Adopt low-voltage controlling components from world's leading brand-Schneider Electric;
- Network extension system is optional, makes it possible to share production management resources and distance monitor and maintain the equipment.



Control Interface



 **ZOOMLION**



 **ZOOMLION**

UEA

Excellent Environmentally-friendly Design

All the feeding, batching, weighting, replenishing, mixing and discharging processes of powder materials are conducted in a sealed environment, all the dust dischargers on top of the mixer, cement tank and coal powder tank are connected with specially designed dust collectors for mixers from WMA corporation, ensure an excellent dedusting effect. Mixing tower and belt conveyor mechanism are entirely closed, which greatly decreases noise and dust pollution.

Customized Design

Furthermore, we can also design and manufacture customized plants to meet the special needs of concrete producers with different site requirements and production processes, such as field acreage, production volume, environmental restrictions and structure or appearance.

Major Technical Data

Item	Unit	HZS90/2HZS90	HZS120/2HZS120	HZS180/2HZS180
Max. Theo. Production Capacity	m ³ /h	90/2×90	120 / 2×120	180 / 2×180
Discharge Height	m	4	4	4
Main Mixer Model		MAO2250/1500H	MAO3000/2000H	MAO4500/3000AH
Power of Motor	kW	2×30	2×37	2×55
Production Time	s	60	60	60
Feeding Capacity	L	2250	3000	4500
Discharge Capacity	L	1500	2000	3000
Diameter of Material	mm	≤80	≤80	≤80
Capacity of Tank	m ³	16 3	25 4	30 4
Capacity of Belt Conveyor	t/h	600	900	900
Capacity of Spiral Conveyor	t/h	90	90	110
Total Power	kW	145/290	210/420	260/520
Batching Range and Accuracy of Material	kg	(0~2000)±2%	(0~3000)±2%	(0~4500)±2%
Batching Range and Accuracy of Cement	kg	(0~800)±1%	(0~1000)±1%	(0~1500)±1%
Batching Range and Accuracy of Fly-ash	kg	(0~400)±1%	(0~500)±1%	(0~700)±1%
Batching Range and Accuracy of Water	kg	(0~350)±1%	(0~500)±1%	(0~700)±1%
Batching Range and Accuracy of Additive	kg	(0~30)±1%	(0~30)±1%	(0~50)±1%

Specifications are subject to change without notice.



OLIVIER S.R.L.

OLIVIER CHILE
Reg. Office Chile:
 896 Laguna Verde
 1890 Santiago

US-Contact Office:
 10 S. 3rd. St. Suite 300
 San Jose, CA 95113
 Fon: +52(1322) 150 2205
 Fon: +1(408) 472 4285
 Fax: +1(408) 877 1528



OLIVIER S.R.L.

OLIVIER MEXICO
Head-Office Mexico:
 Av. Santa Fe 495, Floor 4
 Col Cruz Manca, Cuajimalpa
 Mexico D.F., C.P. 05349

US-Contact Office:
 10 S. 3rd. St. Suite 300
 San Jose, CA 95113
 Fon: +52(55) 3300 5540
 Fax: +52(55) 3300 5510
 Fon: +1(408) 472 4285
 Fax: +1(408) 877 1528



OLIVIER UPC

OLIVIER NIGERIA
Reg. Office Nigeria:
 #8 Akinsemoyin
 Surulere, Lagos

US-Contact Office:
 171 17th street NW
 Atlanta, GA 30363
 Fon: +1(404) 625 9882
 Fon: +1(404) 862 0580
 Fax: +1(404) 873 7025



OLIVIER LTD.

OLIVIER SAUDI ARABIA
Reg. Office Saudi Arabia:
 King Fahad Road 1
 P.O. Box: 295551
 Riyadh 11351

Fon: +966(1) 4193909
 Fax: +966(1) 4193782
 Mob.: +49(170) 9179979

www.olivier-group.com



OLIVIER AG

OLIVIER GROUP
Head-Office Suisse:
 Untermüli 6
 6300 Zug
HQ@olivier-group.com
Sales-Representative:
 Mob.: +49(177) 838 5814

OLIVIER EUROPE
Administration-Office:
 Lindenstrasse 16 b
 88453 Erolzheim
 Fon: +49(7354) 930 110
 Fax: +49(7354) 930 150
 Mob.: +49(173) 670 3970

OLIVIER MIDDLE-EAST
Sales-Representative:
 P.O. BOX 97800
 Sharjah, U.A.E.
 Fon: +971(6) 5562336
 Fax: +971(6) 5734788
 Mob.: +971(50) 4256888

OLIVIER GROUP is the exclusive dealer for

 **ZOOMLION**

Zoomlion is continuously improving on the design of its products.
 The pictures and descriptions in the booklet may not reflect the latest design improvements made by Zoomlion on this product.
 OLIVIER GROUP is the exclusive dealer for Zoomlion in Chile, Mexico, Nigeria and Saudi Arabia. Our headquarters are in Switzerland.