

Masa GmbH, 56626 Andernach, Germany

Al Madina invests in new plant for high-quality concrete blocks and pavers

Approx. 1 hour from Muscat, the new industrial area "Samail Industrial Estate" was designated in 2010. The PEIE (Public Establishment for Industrial Estates), which has been responsible for the planning, construction, administration and development of industrial areas throughout Oman since 1993 by Sultan Decree, is responsible for the country's industrial development. Since then, the appropriate infrastructure has been gradually created on an area of about 7.5 km² in order to attract a large number of investors who want to expand in the strategically located industrial area. The Samail Industrial Estate has been divided into several sectors for specific industries such as plastics, steel, marble, building materials or food.

There were good reasons to settle here with a company producing concrete blocks. Samail will become Oman's largest industrial area, its population is growing steadily and the area has large deposits of raw materials. Ali Al-Barwani, Managing Director of the Al Madina Cement Group, therefore built a new production facility for high-quality concrete blocks and pavers on an area of 30,000 m². Based on the key values of "safety, respect, interaction", the company Al Madina wants to bring quality products to the market and - especially in the Samail/Oman area - become one of the main players. In order to achieve this goal, Ali Al-Barwani took a close look at the manufacturers of block production plants. The offers of the competitors were on the table, but in particular the solid



The concrete from the outside concrete mixing plant to concrete block machine Masa XL is transported via a double bucket conveyor system.

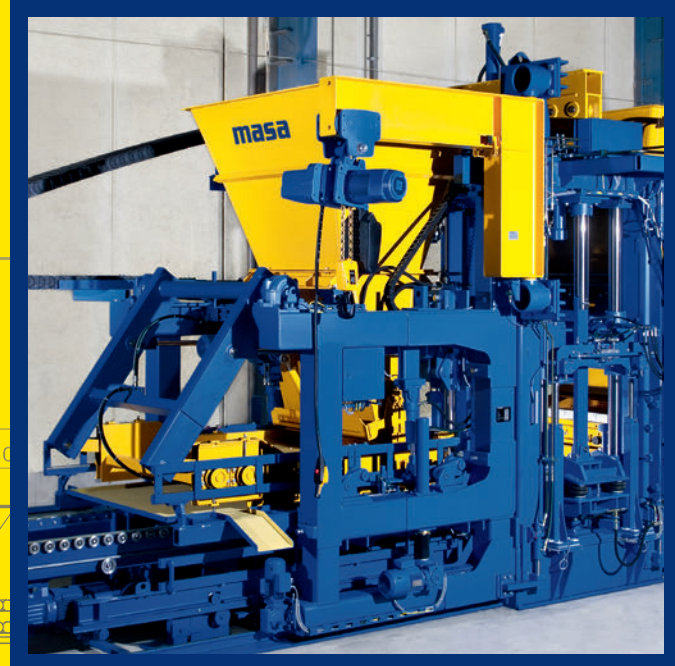


Freshly produced - The production pallet size is 1400 x 1300 mm.

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Masa covers the complete range of machinery and ancillary equipment for the building materials industry: Batching and Mixing, Concrete Blocks/Pavers, Kerbstones, Concrete Slabs, Sand Lime Bricks and Aerated Concrete (AAC) Products.

All technical solutions are individually planned, designed, adapted and realised for each customer, resulting in one supplier and one individual contact person.

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Masa - made in Germany.





The outdoor mixing plant including the Masa mixers PH 2000/3000 and PH 500/750.



View to the finger car in the curing area.

know-how and the professional working method of the German plant manufacturer Masa GmbH finally impressed the Omani. "A Masa plant stands for creative and robust plant design as well as advanced technology," said Ali Al-Barwani with deep conviction.

The trust placed in Masa was not disappointed. Masa was strongly involved in all phases of the project right from the start. Masa advised the customer during joint visits to similar production sites in the region and discussed the advantages and disadvantages of various applications. Masa also assisted Ali Al-Barwani in the search for regional subcontractors, met with planning office and architects for project clarification and implementation and accompanied the construction phases from planning to the first commercial production of first-class paving and concrete blocks in 2018.

With the complete block production plant supplied by Masa, the previously intensively discussed customer requirements could be optimally implemented: With the tried and tested PH 2000/3000 and PH 500/750 mixers for main and face mix, charging scale, cement scales, water dosing, a Masa color dosing system, a bucket conveyor system with double buckets and other reliable components the Masa dosing and mixing plant contains the necessary equipment for the production of consistently good concrete. The Masa XL 9.2 block making machine with a production pallet size of 1400 x 1300 mm is equipped, among other things, with an automatic mould changing package. The freshly produced blocks are handled by the proven Masa standard components walking

beam conveyor, elevator and finger car to the curing area. The curing area is equipped with a Masa ventilation system. The cured products are transported to the Masa Cuboter by means of finger car, lowerator and walking beam conveyor. Modern, energy-efficient cubing technology prepares the concrete blocks for transport by the Al Madina truck fleet. The system circuit is closed by a cross transport with upstream cleaning brush, scraper and a turning device so that the empty production pallets can be returned to the block making machine.



Ali Al-Barwani is Managing Director of Modern Houses Trading & Contracting LLC and Al Madina Cement Products. For almost ten years he worked as an electrical engineer in Haya. Eight years ago he founded the company Modern Houses, and in March 2016 he gave the starting signal for Al Madina Cement

Products. With his excellent leadership and communication skills and a strong personal will to succeed, Ali Al-Barwani has the best prerequisites to survive in the concrete block manufacturing business.



The cured products are transported to the Masa Cuboter by a walking beam conveyor.

After delivery and installation of the reliable Masa standard equipment, Masa took intensive care of training the operating personnel. The training of the customer's personnel included mechanical maintenance, electrical troubleshooting and servicing of the system. The training was organised and carried out by the Masa training team, which has many years of experience in the Masa operation. The 3-week training course included the areas of safety and access to the plant components, setting the plant parameters and efficient operation of the plant.

Towards the end of the project Ali Al-Barwani expressed his satisfaction with the words: "It was a great experience and honour to work with Masa from the first day to commissioning, training and production start. The Masa team was very friendly, patient and cooperative and the after-sales service is excellent. We have invested a lot of money and are confident that we will be successful due to the good product quality. I see Masa as a partner of our success, who has supported us in various phases of the project."



The new concrete block production plant during the assembly: The main components are already in place.

FURTHER INFORMATION

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