

**masa**

Milestone to your success.

Reliable Solutions for  
Building Material Producers

# CONCEPTS PLANTS MACHINES

Masa provides top performing solutions for the production of  
concrete blocks and pavers, sand-lime bricks and AAC products.









At Masa, we think only concrete – and how to shape it for the building materials industry. The machines we develop and manufacture are used for the production of concrete blocks and pavers, sand-lime bricks and aerated concrete blocks. In other words, we are real concrete heads with a passion for reliable machines.

## Masa – Your partner for successful building materials production.

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### **Individual, sustainable plant solutions**

Since the day we were founded, we have made our influence in significant developments for the building materials industry. Our concepts, machines and plants, which have demonstrated their worth for many years, can quickly be updated or expanded. Our basic philosophy is: to provide flexible and intelligent solutions by which we, as partners, are dedicated to making our customers successful.

### **We do this by means of:**

- Fully automatic machines for manufacturing concrete products, AAC products as well as sand-lime bricks
- Proven and reliable design and technology
- Competent professionals with decades of experience
- Service centres all over the world
- Active and effective advice, from design to implementation
- Reliable spare parts supply and customer support

An approach, which combined with hard work, has borne fruit: Today, we are a global market leader in designing and manufacturing plants and machines for the building materials industry. At present, this success is made possible by the 500 professionals working at masa.



# Machinery for Concrete Block and Paver Production

01

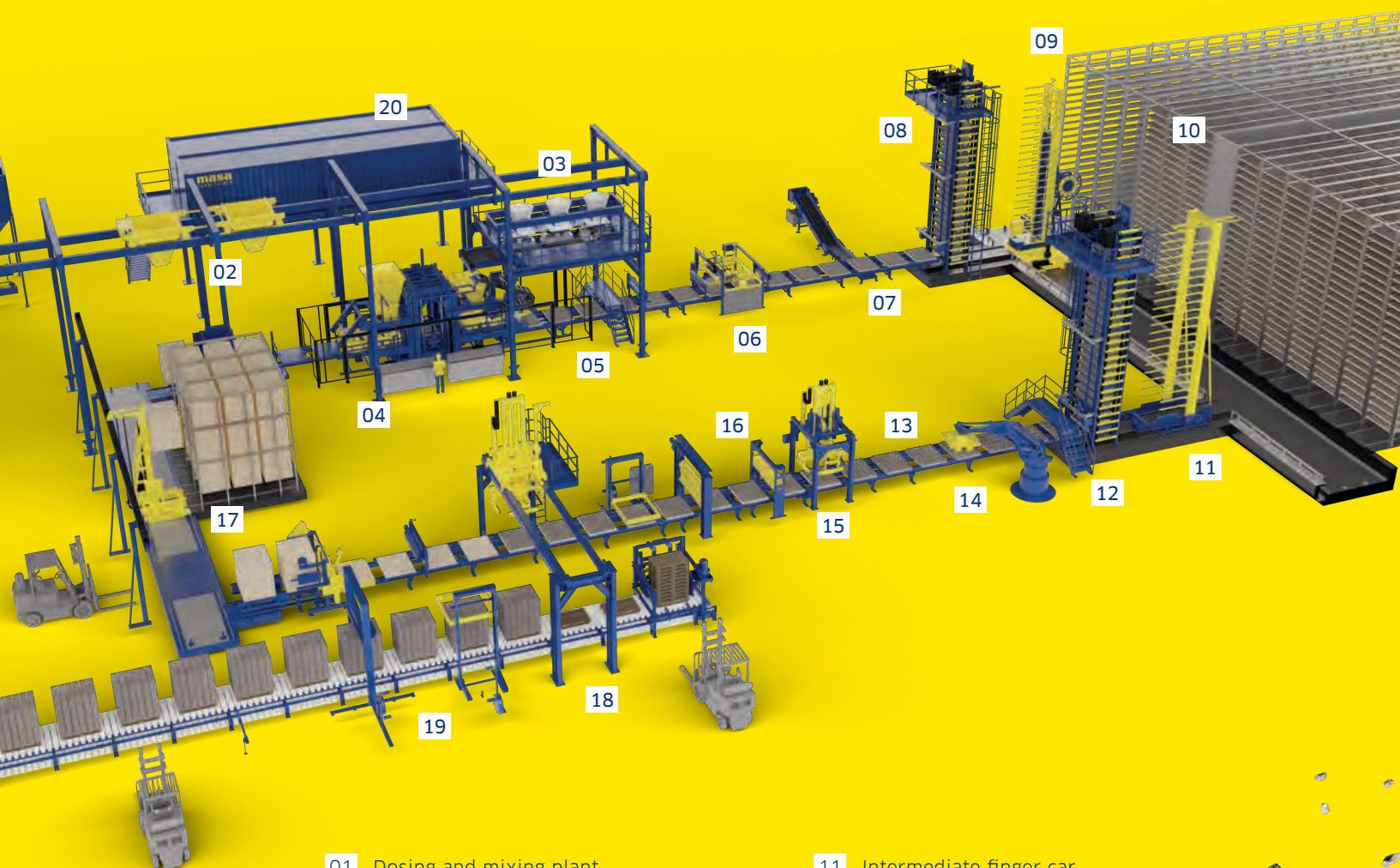
Constantly high quality  
with the highest quantities.

We have all the necessary experience and equipment for **manufacturing high-quality products made of lightweight or heavy concrete.**

With our dosing systems, mixing plants and multi colour systems, our customer produces concrete that meets the demands of high-quality, individual concrete products. Our L 6.1 and L 9.1 concrete block making machines are perfect to enter the market for professional building material production. The XL and XL-R machines convince with their large production ranges and impressive production capacities. Each ring plant is designed and dimensioned according to project requirements.

For example, our equipment for concrete block, paver and other hardscapes production includes:

- Dosing and mixing plants, multi colour systems
- Concrete block making machines
- Kerbstone presses
- Handling and transport systems incl. QA systems
- Curing area with finger car and ventilation system
- Components for remodelling and cubing
- Storage solutions for production boards
- Compact installation solutions for electrics and hydraulics
- Components for surface treatment and finishing
- In-house developed automatic plant control

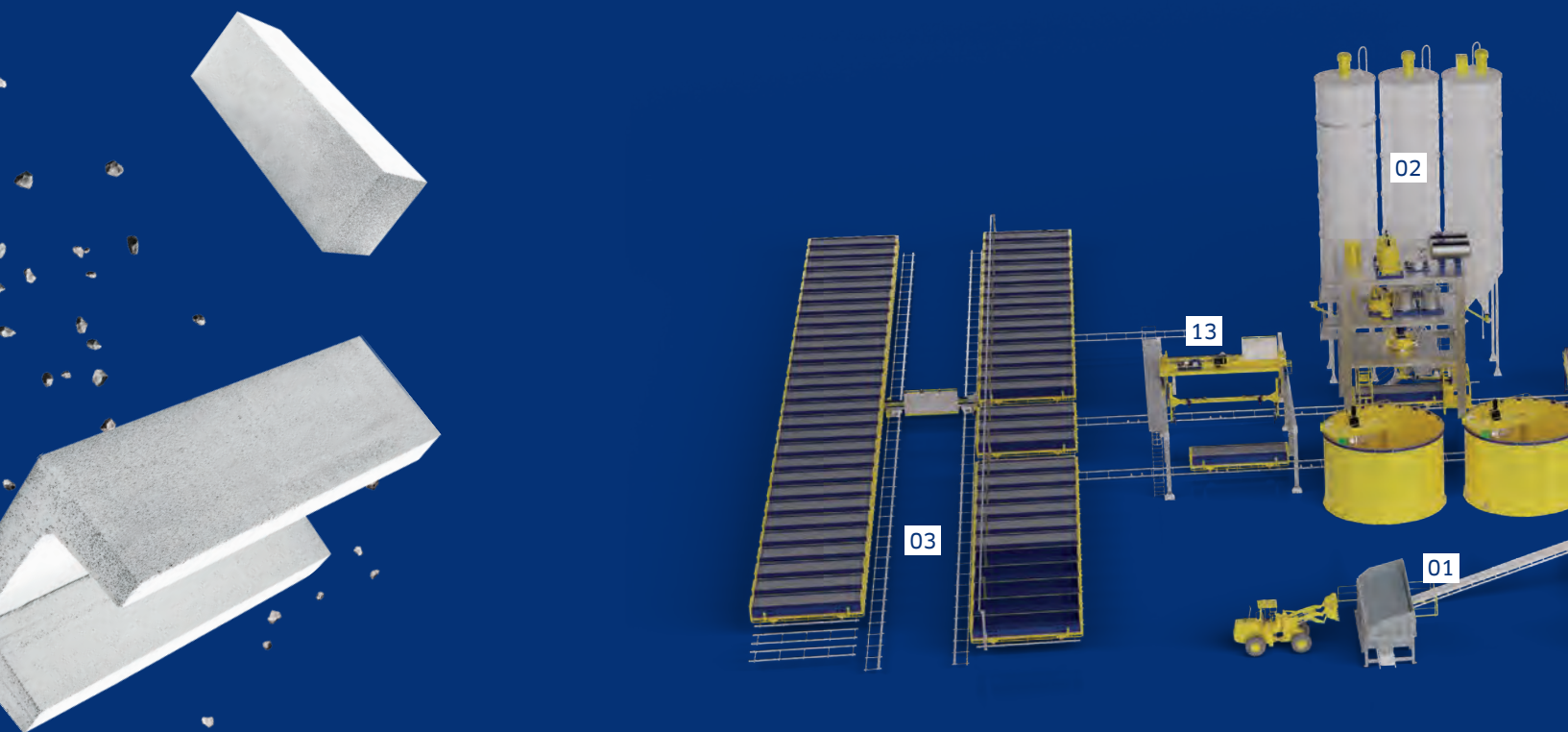


- |    |                               |    |   |
|----|-------------------------------|----|---|
| 01 | Dosing and mixing plant       | 11 | Intermediate finger car                   |
| 02 | Concrete transport system     | 12 | Lowerator                                 |
| 03 | Multi colour system           | 13 | Dry side                                  |
| 04 | Concrete block making machine | 14 | QA station                                |
| 05 | Wet side                      | 15 | Centring device                           |
| 06 | Paver washing unit            | 16 | Interlayer protection and layer strapping |
| 07 | QA station                    | 17 | Cross transport with storage system       |
| 08 | Elevator                      | 18 | Cubing                                    |
| 09 | Finger car                    | 19 | Cube transport with packing devices       |
| 10 | Curing and ventilation        | 20 | Powertainer/Combaitainer                  |

**Please note:** The illustrated plant serves as an example only and partly shows special solutions. For better clarity, the safeguards are not shown.



# Machinery for AAC Production



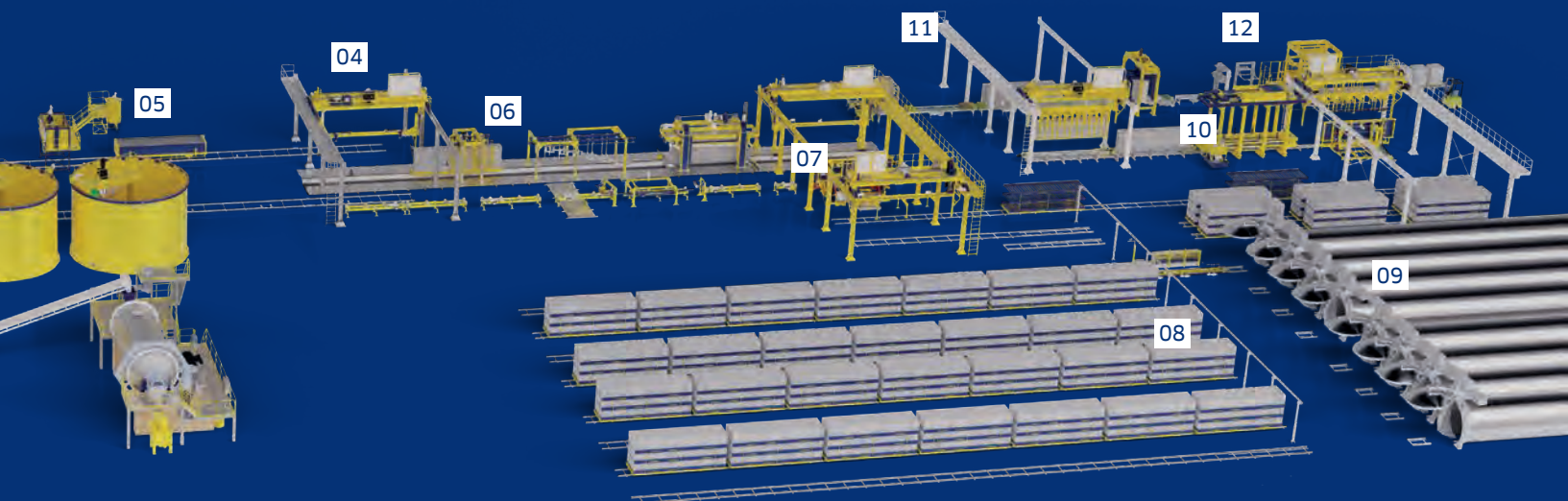
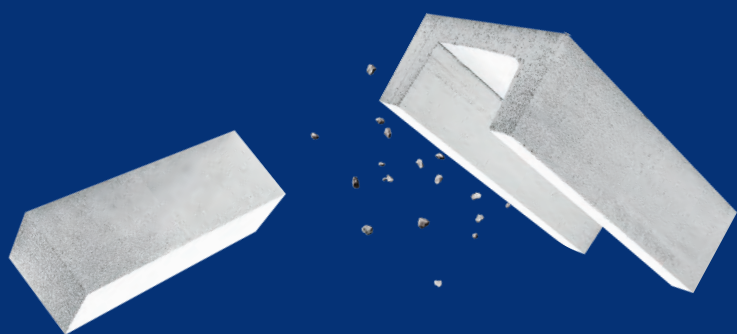
Expertise in Autoclaved Aerated Concrete (AAC):  
We are the all-round carefree package.

**Manufacturing AAC demands high standards** for preparing, dosing and mixing the raw materials, the monitoring of the fermentation process as well as the control of all production steps. We design each AAC plant according to your individual requirements and provide you with proven and reliable design and technology. You can rely on efficient solutions that offer you optimised process sequences and consistent quality of the end products.

Our comprehensive product portfolio for AAC production includes the entire process know-how, complete plant concepts

and individual machines as well as all services required for production support. All process-relevant parameters for an efficient production of AAC products are controlled and recorded by the in-house developed, automatic Masa plant control. With our flexible plant concept (VARIO), we can consider various stages of extension in the basic planning of an AAC plant already.

Our technology centre is available for comprehensive raw material and product analyses and qualifies you practically and competently with training courses.



- |   |  |
|---|--|
| 01 Sand preparation and storage                           | 08 Transport platform and waiting area in front of autoclaves          |
| 02 Dosing, mixing, casting                                | 09 Autoclave/steam boiler  |
| 03 Fermentation area                                      | 10 Re-tilting table, hardening grid transport and hardening car return |
| 04 Transport to cutting line and mould removal            | 11 Block transfer device   |
| 05 Completion and oiling of the casting mould             | 12 Packaging plant   |
| 06 Cutting line   | 13 Reinforcement area  |
| 07 Transport plant, tilting table, green separating table |  |

**Please note:** The illustrated plant serves as an example only and partly shows special solutions. For better clarity, the safeguards are not shown.



# Machinery for Sand-Lime Brick Production

Proven technology  
for high-quality products.

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**The concept of sand-lime brick manufacturing** allows the production of small, medium and large bricks. This technology also enables specialised bricks and fitting pieces to be produced to the exact requirements of the architect. Such fitting pieces save time and money during construction.

Careful planning is the most important factor for the economic success of a production plant. The local requirements and possibilities as well as the longterm growth potential have to be taken into consideration right from the start. Our engineers define the machine designs and capacities as well as the process sequence and arrange the plant components in the given space.

The modular system for our sand-lime brick plants offers you the following components, for example:

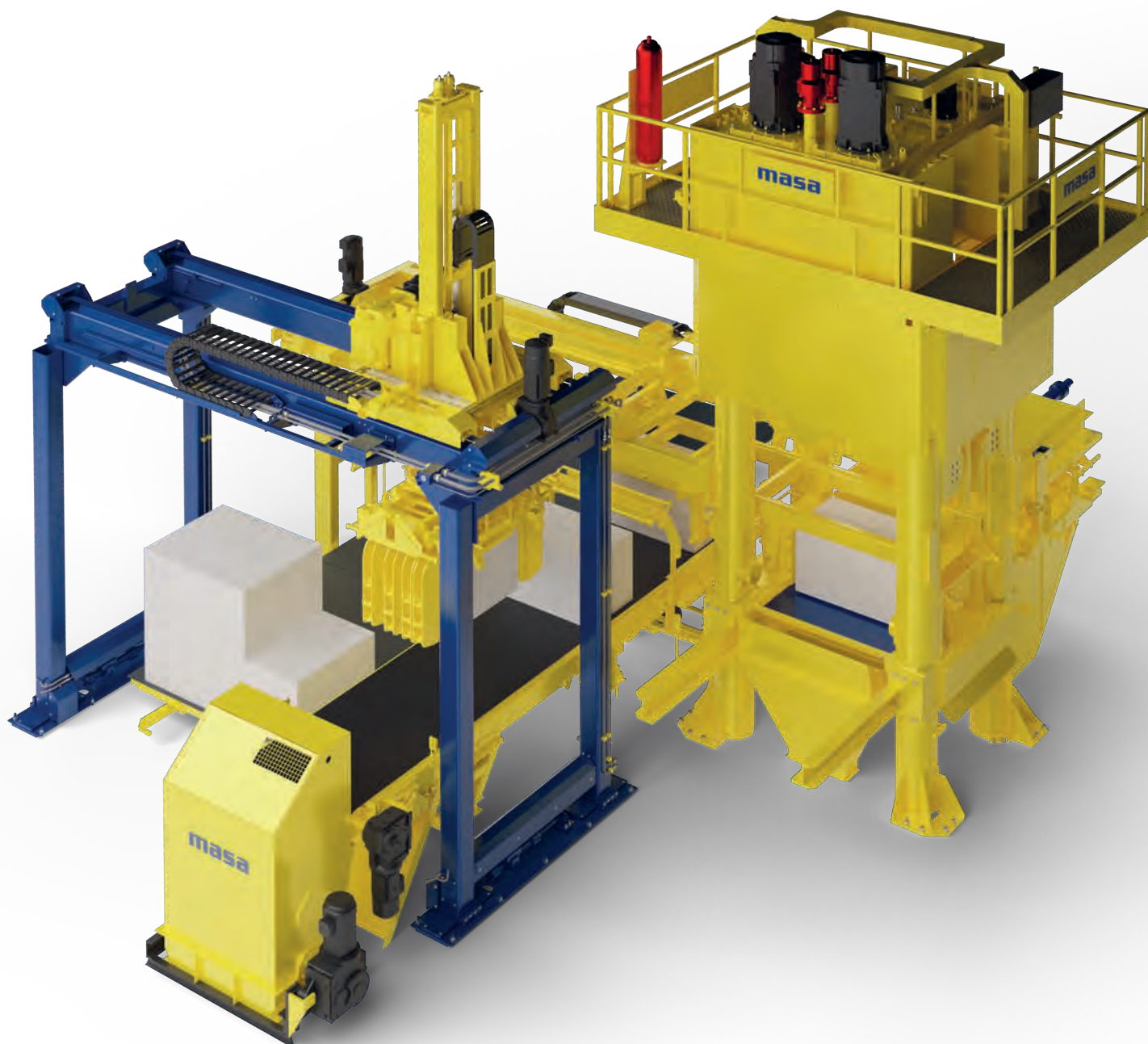
- Systems for raw material storage
- Dosing and mixing plants
- Reactor
- Hydraulic sand-lime brick presses HDP
- Machine equipment for the production of fitting pieces
- Transport systems
- Hardening areas (autoclaves)
- Packaging systems
- Sawing plants
- In-house developed automatic plant control







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# Consultative Service



## More than mechanical engineering.

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**Why are we a good partner?** Our efforts do not stop once we have delivered a plant! The Masa Lifetime Service, which includes training and support, begins once the installation and commissioning have been completed. It is important to us that you never feel left on your own and know that you can rely on us. Our service for you includes, for example:

**Assembly and commissioning:** Masa plants and machines are installed and commissioned by our own experienced fitters.

**Masa Support:** Immediate assistance and more! We are there for you if you have any technical problems or questions and to help you with updates.

**Inspection and maintenance:** Extend the service life of your machines in a targeted manner.

**Masa Health Check:** The machine inspection “Masa Health Check” can be used for preventive maintenance and repair measures.

**Masa Smart BackUp:** Our convenient and comfortable solution for efficient data backup of recipes and process data.

**Process engineering support:** We help you optimise your product quality and quantity.

**Spare parts and spare parts logistics:** Get original spare parts of proven Masa quality, perfectly matched to your equipment, in the shortest time possible.

**Retrofit and conversion:** We make sure your plants are state of the art again.

**Customer training:** Practical content taught by competent trainers to raise your employees' qualifications to a higher level.



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## Masa worldwide

At our headquarters in Andernach, Germany, we develop and manufacture machines and plants for the concrete block and paver industry. A second location focused on the development and production of machinery and plants for manufacturing AAC and sand-lime brick products is located in Porta Westfalica. In addition, there are subsidiaries worldwide that are mainly involved in sales and service tasks.

### Further information

Do you have questions, specific concerns or would you like general information? Contact us or visit our website!

### COMPETENCE CENTRE CONCRETE BLOCKS AND PAVERS

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### SAME TIME ZONE SERVICE

Feel free to contact one of our locations in your time zone. We have provided you with the contact details on our website.

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Moscow, Russia

**Masa-Tianjin**  
**Building Material Machinery Co., Ltd.**  
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