

TECHNOLOGICAL SOLUTIONS

SHOCK ABSORBERS

The use of shock absorbers for the production of large-size stones allows the absorption of some of the stresses arising in the product, which reduces the cracking effect of the product. It allows for better distribution of the concrete mix in the mold bottom sockets.



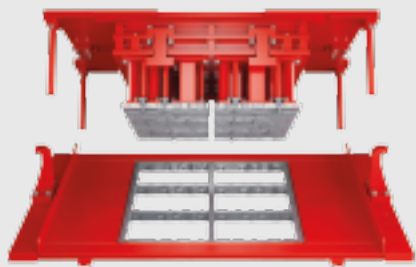
CENTRING SYSTEM

The use of the centering system eliminates the possibility of the mold bottom colliding with the tamperhead, and prevents the mold from shifting during production. This solution allows extending the life of the mold.



DOUBLE ACTION OF THE TAMPER HEAD

The use of a dual action of the tamperhead allows you to make decorative patterns on one stone and allows for better cleaning of the feet.



HYDRAULIC

The use of a hydraulic system in molds allows for the production of special vibro-pressed products, in which the production process requires the movement of mold elements.



HEATED

The use of the heating system allows for a better, more distinct surface structure of the stone, which enables faster evaporation of water, which means that the concrete does not stick to the surface of the feet.



CHOOSE TECHMATIK

- **TOP 3 in the world** - in the production of steel molds for concrete products
- Know-how backed by years of experience
- We manufacture molds for concrete block machines of all manufacturers
- Top quality steel from well-known suppliers
- Experienced design, engineering and production personnel
- State-of-the-art machinery park in a production hall with an area of 24,000 sq.m
- Innovative DYNAHARD hardening method for high abrasion resistance
- Full control of the production process in a single plant
- Global reach of sales and maintenance services
- Comprehensive logistical support
- We establish partnerships and make our customers feel secure with our aftersales support.

RENEWAL AT TECHMATIK!



TOP QUALITY

The most rigorous quality checks to ensure a long life cycle of the renewed mold.



PROMPT DELIVERIES

Our team delivers renewed molds on time. We help make transport arrangements for renewed molds.



PROFESSIONALISM

And friendly and competent support by **REGE TEAM®**.



ENVIRONMENTALLY FRIENDLY

Reused steel leads to lower CO₂ emissions
- **carbon footprint reduced** by 2.5t CO₂/mold or 2500t CO₂ a year



SHORT LEAD TIME

The standard lead time is 4 weeks.

During an intense production of concrete elements, something unexpected could happen at any time. You need a fast solution then.

We reduce the lead time to the minimum!

Molds renewal:
» express – 2 weeks
» priority – 1 week

ADDRESS

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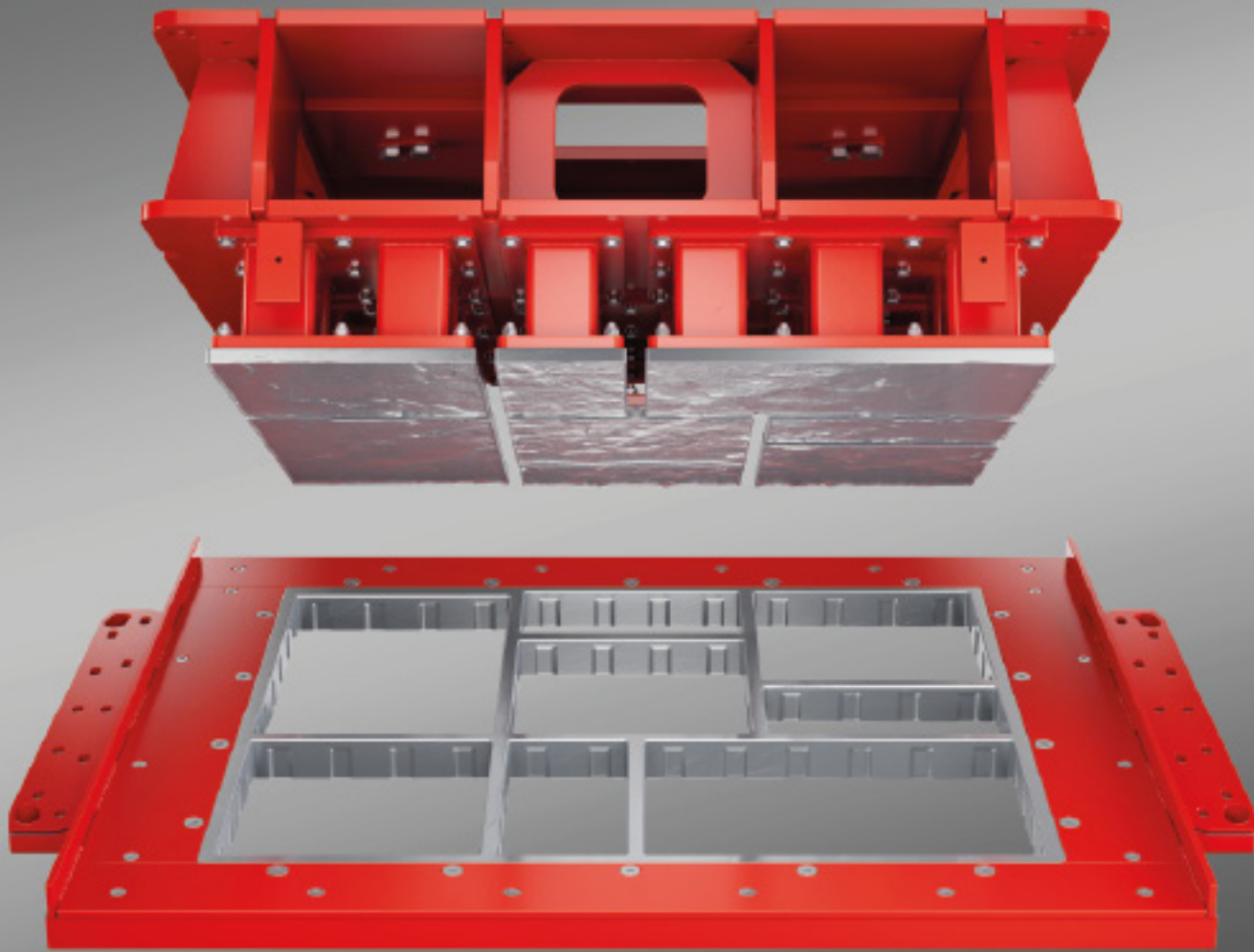


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TAILOR-MADE MOLDS FOR OUR CUSTOMERS

We manufacture customized molds to meet the needs of our customers. We do our best to ensure our molds feature the longest service life possible and guarantee high-quality concrete products. We conduct production on the basis of our corporate quality standards. Highly-skilled design and process engineers are committed to ensuring the top quality of molds offered by Techmatik through continuous improvement of manufacturing processes. Thorough tests precede the implementation of new solutions, enabling us to control the quality and keep improving the production process. We are up to date with our customers' needs and strive to meet the growing requirements of the market. We also provide a comprehensive range of maintenance services for mold regeneration and repair.

QUALITY

- **DESIGN**
The manufacturing and quality control process begins with the correct selection of the materials needed in the advanced design phase
- **RAW MATERIAL** (steel) and its control
The selection and validation of components and materials begins with a detailed definition of requirements and expectations concerning our business partners
- **PRECISION OF MANUFACTURE**
Testing, trial runs and measurements are carried out on the site using dedicated control and measuring instruments
- **STATE-OF-THE ART MACHINERY PARK**
Comprehensive and extended on a regular basis, the park includes: cutting machines, CNC machine tools, welding robots, hardening furnaces - to ensure the quality and repeatability of manufacturing process
- **QUALITY AT THE SOURCE**
The self-control system implemented at each stage minimizes the risk of manufacturing defective products and prevents them from being sent for further processing
- **HARDENING**
Unique hardening process called DYNAHARD using chamber furnaces with controlled endothermic atmosphere
- **EXPERIENCE & KNOW-HOW**
Our innovative approach backed by years of experience in the production of concrete goods plus the innovation and quality of our machines, equipment and molds are highly regarded by several hundred customers in over 50 countries on nearly all the continents
- **CONTINUOUS IMPROVEMENT**
We are committed to the continuous improvement of our processes from the order acceptance, to the design, selection and control of appropriate materials, to the manufacturing of components and finished products to the final acceptance of goods for shipment

MOLD DESIGNS

WELDED LOW | HIGH

All elements of the mold bottom are welded. The contribution of low molds is made of a block module characterized by high dimensional accuracy and wear resistance, obtained in the heat treatment process. Elements of high molds are made of separate details, made of toughened steel, and then welded together with the frame elements.



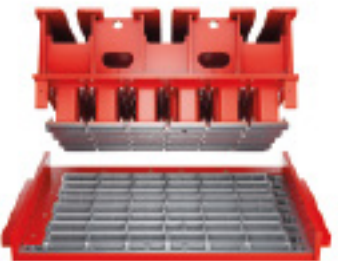
BOLTED LOW | HIGH

All molding part consumables are replaceable. The contribution of low molds is made of a block module characterized by high dimensional accuracy and wear resistance, obtained in the heat treatment process. This element is bolted to the frame and can be replaced. Elements of high molds are made of separate details, of heat-treated steel, and then bolted together with the frame elements.

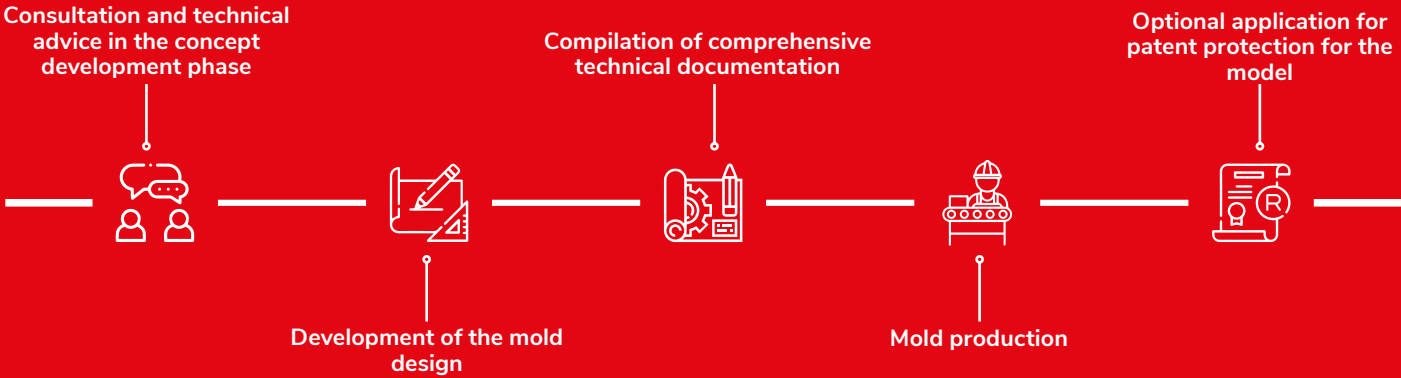


MONOLITH

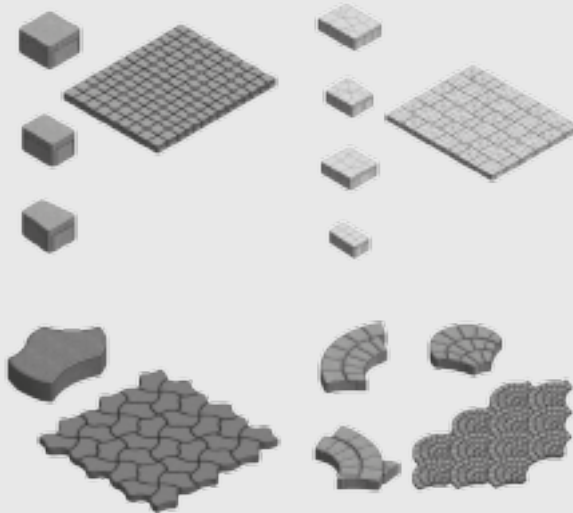
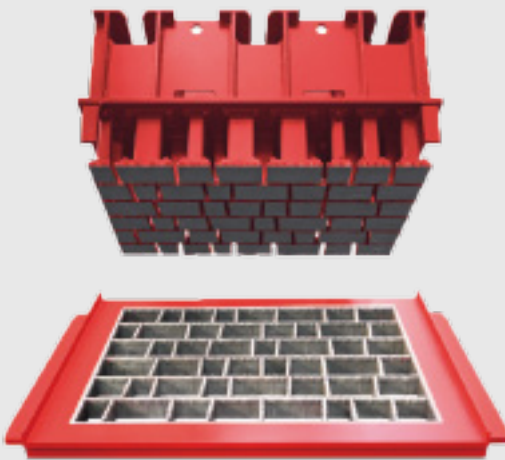
The mold is made of one solid material with bolted cover plates.



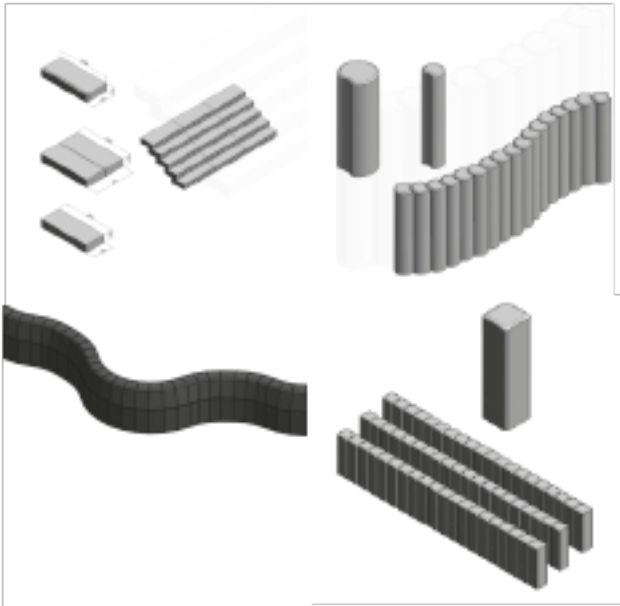
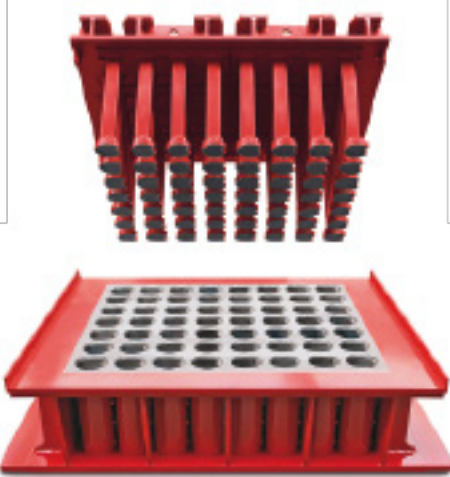
DESIGNING OF NEW MOLD MODELS



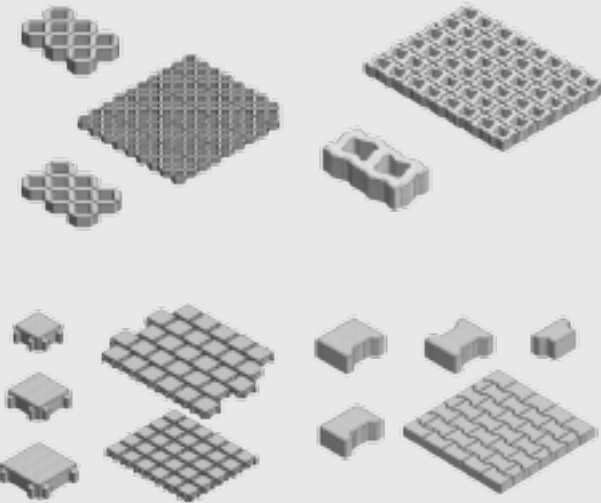
REFINED AND DECORATIVE PAVING STONES AND SLABS



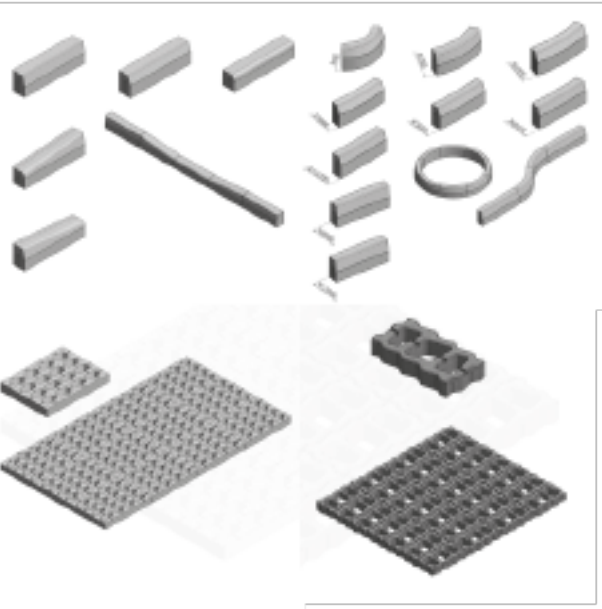
DECORATIVE ELEMENTS, STAIR UNITS AND PILE WALLS



INDUSTRIAL PAVING STONES AND SLABS



ROAD ELEMENTS



CONSTRUCTION AND FENCING ELEMENTS

