

STAIR MOULDS

Vollert 




**ENGINEERING
YOUR
SUCCESS**

 PRECAST CONCRETE PRODUCTION

KNOW-HOW, TECHNOLOGY AND EXPERIENCE MADE IN GERMANY

The latest system technology and outstanding expertise in stationary precast concrete production make us your first choice of contact. We provide the technically leading mould systems for manufacturing walls and slabs, but also for structural concrete elements, such as all kinds of columns, beams, joists or modern staircase components.

THE PRECAST CONCRETE PLANT OF TOMORROW

As one of the leading manufacturers in precast formwork technology, we provide stationary solutions for the production of laminary and structural precast concrete parts. High performance tilting tables and battery moulds for solid and semi-finished parts or column and beam moulds for structural precast elements – for every project requirement we will find a suitable and cost-effective plant concept.

The precast concrete plant of tomorrow will be based on the latest mould technology, optimised process flows and new manufacturing processes. Innovations


provide for more rational working steps, a reduced material usage and a high quality of the precast part.

In this, we always see ourselves as a reliable partner, from the initial design to the turnkey, forward-looking plant concept. We incorporate on an individual basis what the customer wants and we create tailor-made concepts. This is what makes our customers successful on a long-term basis in their markets.



Alexander Kaspar

Senior Sales Manager
Precast Concrete Plants



PRECAST CONCRETE ARCHITECTURE SETS THE TREND WORLDWIDE

The precast building system is state-of-the-art and setting trends worldwide. From the latest designs of single-family homes and multifunctional residential and office complexes through to logistics centres and multi-storey car parks, it is shaping urban architecture all over the world.



CLOCKWISE AND ANTI-CLOCKWISE STAIRS

Precast concrete stairs are nowadays an essential feature in state-of-the-art residential and industrial constructions. Construction times are substantially shortened, a consistently high level of exposed concrete quality is guaranteed and the final assembly is simplified. In this context, Vollert adjustable stair moulds offer the optimum solution for every requirement. Staircases with or without a landing platform are produced in either the horizontal overhead or vertical position. The going is continuously adjustable between 220 – 320 mm, the riser from 150 – 220 mm, with stair widths of 900 – 1,200 mm. The soffit thickness is variable.

For clockwise and anticlockwise stairs, the individual steps can be adjusted simply by turning. The steps can be designed with a sharp or bevelled edge, and they can be configured at right angles or with an undercut. Up to 17 steps can be produced in the standard design, with an additional extension of up to 24 steps. For wide stairs with two landings, stair ramps are the solution.



- 1 Prefabricated stairs are used in residential and industrial buildings, but also in parking garages
- 2 Extremely variable, they can be used in modern architecture

TECHNOLOGY FOR PRECAST STAIRS IN EXPOSED CONCRETE QUALITY

VERSATILE COMBINABLE STAIRS VARIANTS

- With the VARIOSTEP stair mould the stair is produced on the framing side, which guarantees a 3-sided exposed concrete quality. The additional landing platform is horizontally movable and with the rear panel adjustable in height you can cast nearly every staircase with this mould.
- With the KOMBISTEP stair mould the stairs are produced overhead. This is especially suitable for exposed concrete staircases, for staircases with edge protection or anti-skid treads and for subsequent blasting or grinding. To ensure easy moulding and de-moulding, the mould can also be hydraulically tilted.
- As a stair variant the QUICKSTEP stair mould provides an electrical adjustment of the staircase design from riser/going.
- MEGASTEP stair moulds are used for extra wide stairs of up to 3 m. The underside is completed in exposed concrete quality with a steel covering; a wood covering is also optionally possible. A mechanical adjustment of the parameters is possible either manually or through the integrated electrical motor drive.



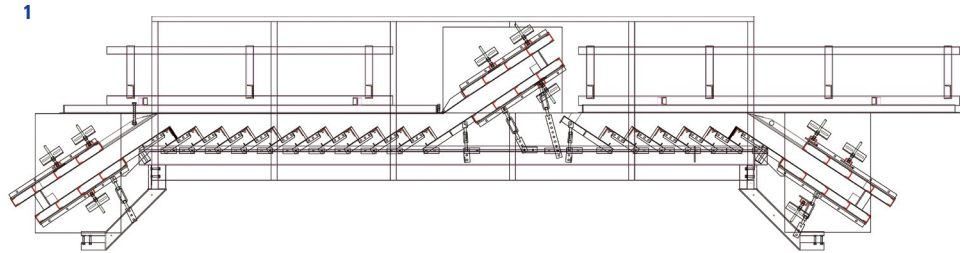
- 1 KOMBISTEP stair mould with hydraulic tilt function
- 2 MEGASTEP stair mould in lightweight construction
- 3 MEGASTEP stair mould with landing platforms

ADDITIONAL SOLUTIONS FOR STAIR MOULDS

COMBINED PLATFORM FOR FLEXIBLE USE

The assembly of an entry and access landing is easy to realize. A platform set for the entry and access step can be attached at any point on the mould.

Two sets of stairs with the addition of a platform can optionally be produced at the same time, clockwise or anticlockwise. The addition of the platform can also be completed on any of the steps.



- 1 With a combined platform several stairs with landing platforms can be produced simultaneously
- 2 VARIOSTEP stair mould for the production of prefab stairs in exposed concrete quality

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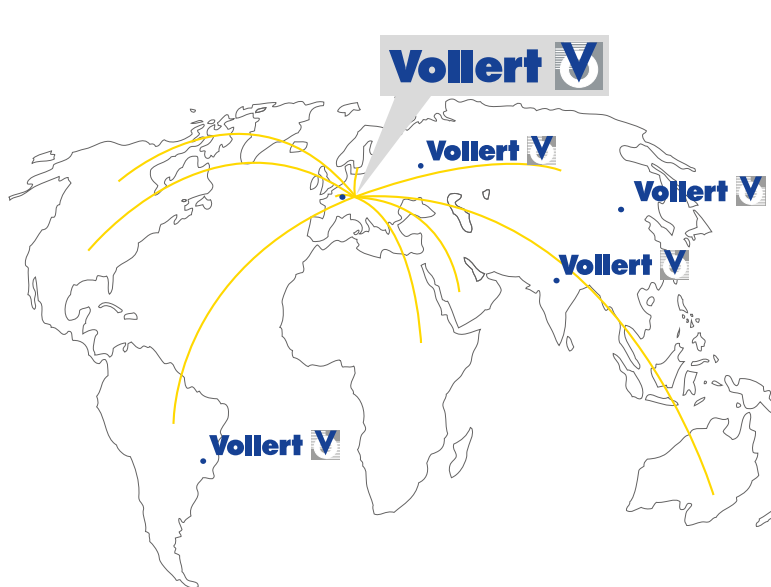
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Vollert V



PRECAST CONCRETE PRODUCTION



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