

TILTING TABLES

Vollert 



 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.





HIGH-PERFORMANCE TILTING TABLES

Vollert high-performance tilting tables allow the flexible, horizontal manufacture of wall and façade elements and laminary special parts. Hydraulic tilting joints, fixed with the tilting frame and tilting block, set up the mould surface up to a tilting angle of 83° and ensure stripping without concrete edge failure. First class exposed concrete surfaces are guaranteed by the plane-ground mould surface.

Whether as version with fixed side rail, with height adjustable side rail in the range of 120 – 350 mm or as wooden construction mould with height adjustable substructure – the construction is designed so flexibly that any number of wall heights can be manufactured.

An extremely solid welding construction made of steel profiles means positioning on even ground is possible. Torsion stiffness guarantees construction of large dimensions. All current shuttering systems can be used. There is a selection of various concrete spreading systems for casting the concrete, whether crane-driven, as a bridge or portal concrete distribution systems.

We also provide solutions for surface treatment from simple screeding to surface finishing systems. Also the combination of a tilting formwork table with a separately drivable mobile tilting unit and a mobile drivable plotter is possible. Special high frequency vibrators compact the concrete to make it homogeneously.



- 1 High-performance tilting tables can be used to produce walls and slabs for modern residential and industrial construction
- 2 Efficient and easy construction site assembly

TECHNOLOGY FOR PLANE CONCRETE ELEMENTS

VARIED BASIC CONFIGURATIONS ENSURE MAXIMUM FLEXIBILITY

The construction is designed so flexibly that numerous solid elements can be produced extremely economically:

- Widths 2.5 – 5 m and lengths of 6 – 100 m at a load per unit area of 500 – 1,000 kg/m²
- Hydraulic tilting block as standard up to a tilting angle of 83°, optional mechanism with overhead crane and a hauling support
- Tilting table separable for dispatching in 40" containers
- Design with high quality flat steel panels or as a mould grid, for example for ply-wood cover and cleaning-, milling- and polishing tables
- Design with fixed or freely adjustable side rail of 120 – 350 mm (with extension up to a height of 500 mm) or ply-wood frames with height adjustable steel substructure
- High frequency vibrator with grouped vibrator frequency setting for homogeneous compaction of the concrete, also with asymmetric element configuration; alternatively pneumatic or hydraulic compacting
- Heating register can be integrated in the top structure for local supply with hot water, steam or thermo-oil; alternative design with electrical heating possible; thermal insulation can be integrated
- Various other configurations available



- 1 Height adjustable side formwork
- 2 Separable tilting tables in 40" overseas container
- 3 Tilting table row with a length up to 100 m

ADDITIONAL SOLUTIONS FOR TILTING TABLES

TANDEM TILTING TABLE FOR LARGE CASTING AREAS

To produce particularly large casting areas for up to 100 m in length, tandem tilting tables are used. To do this, a mould bridge is fitted between the tilting tables and connected to the hydraulic system.

In this way, several tilting tables can optionally be synchronised with each other. However, the individually combined tilting tables can also be used individually at any time.



SIMPLE AND MECHANICAL – THE YELLOW LINE

Yellow Line tilting tables are designed for smaller loads per unit area and are set up mechanically with an overhead crane and a hauling support with safety lock.

The load of the tilting table is transferred through several feet uniformly onto the hall floor.



- 1 Production lanes ready for concreting
- 2 Tandem tilting table without a bridge
- 3 Tilting table for a project in Brazil

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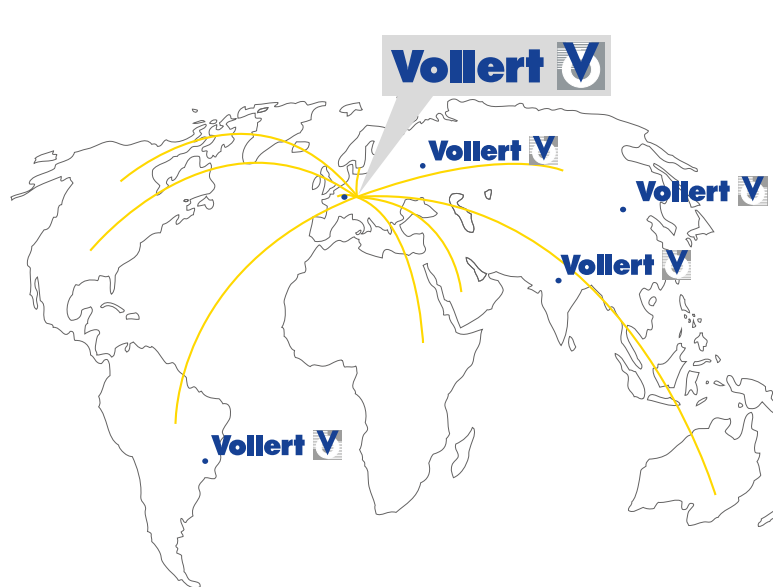
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