

# PRECAST

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**TWINSTAR**  
PRECAST



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## MANUFACTURING EQUIPMENT FOR PRECASTERS

Suppliers to the building industry, as well as contractors and developers in rural areas, have access to a wide variety of precast concrete manufacturing equipment through the country's leading equipment supplier, Revaro Concrete Equipment.

The company supplies a wide range of concrete manufacturing machines to manufacture almost every element of a house from bricks to block, pavers and retaining blocks, roof tiles, lintels, hollow-core slabs and even concrete pipes and poles.

It also caters for other construction types, such as structural (eg bridges, foundations, parking garages, retaining walls, etc), as well as different types of buildings like office blocks, hospitals, shopping centres and schools.

The company stocks a full range of machines for almost all precast concrete requirements and diverse precast materials, as well as a wide range of sizes to make it affordable for companies from start-ups to established businesses.

An example is its range of brick, block, paver and retaining block-making machines, where the company has anything from basic manual types of machines, elec-

tric, hydraulic and large ride-on automatic egg layers to large static manual, automatic and fully automatic machines with elevator and de-elevator, finger cart, curing rooms and packers. These machines can produce 7 000-250 000 stock bricks, 5 400-162 000 pavers, 4 000-140 000 maxi bricks and 1 440-40 000 15,24cm (6") hollow blocks per nine-hour shift.

Revaro Concrete Equipment also supplies all the additional equipment and machinery needed to set up an entire production plant and the loaders and forklifts to move materials. The product ranges available include:



- Brick, block, paver and retaining block-making machines.
- Kerb-making machines
  - Able to manufacture all South African kerb stones up to 1m in length. They come in one- or three-head automatic
  - Capacity: 400-1 500 per day
- Lintel and hollow-core slab plants
  - Lintel capacity: 2 500-50 000 per day
  - Hollow-core capacity: 600-1 200 per day
- Pipe- and pole-making machines
  - Pipe sizes: 250-3 000mm
  - Pole sizes: Various
- Roof tile plants
  - Hydraulic pressed or extruder roof tile machines
  - Capacity: 500-20 000 per day
- Mixers and batchers
  - Batchers are able to batch up to four different aggregates automatically with PLC. This eliminates maintenance from boom scrapers
  - Pan, twin-shaft and large-volume planetary mixers
    - Capacity: 350-500L, 500-1 500L and 1 500-3 250L
- Cone, jaw and hammer crushers

- o Crushing machines and plants are especially important in the precast industry as they allow manufacturers to re-use concrete, thereby reducing waste and operating costs
- Trolleys and stackers
- Composite and plywood pallets
  - o Revaro composite production pallets are produced from a blend of proprietary high-quality composite materials and fibres and are the most significant breakthrough in production pallets
  - o Local and imported pine plywood of the highest quality, treated with Revaro wax oil and sealed with phenolic waterproof glues
- Roll-forming and concrete roof tile machines
  - o Roll-forming is the process of continuously bending steel coils by passing them through consecutive sets of rollers to a desired shape for use in building and construction
  - o Concrete tile machines are extremely versatile to manufacture all South African roof tiles with the use of interchangeable moulds
- PC wire and strand
  - o PC wire and strand is mainly used in the reinforcement and production of pre-stressed concrete.
- Corrugated steel sheeting
  - o Steel coils, meaning sheet metal in coil form, for use in roll-forming
- Forklifts
  - o Rough terrain, all terrain and standard, from 2-10 tons
  - o Standard, from 2-35 tons
- Loaders
  - o 1,2-5-ton wheel-loaders
  - o 2-ton telescopic wheel-loaders
- Excavators
  - o 0,8-6-ton excavators ■



*(Top left): Revaro Concrete Equipment supplies equipment to manufacture almost every element of a house.*

*(Left and above): Precast concrete unit manufacturing machines.*



**Concrete roof tile equipment manufactured by JESSOP & ASSOCIATES (PTY) LTD**



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