Innovative prefab technology.

AUTOMATED PRODUCTION OF WALL ELEMENTS AND HIGH-QUALITY CONSTRUCTION IN A FEW DAYS
Fully automated production of wall elements

Architect drawings are imported into software, which calculates the necessary wall elements.

Robot unstacks the blocks from pallets and feeds the production line.

Special adhesive is applied on the blocks.

The blocks are now put layer by layer on circulation pallets.

Insertion of carbon strips, if necessary.

A finished wall after automated cutting.
Assembly of wall elements

- Delivery of wall elements to the construction site
- After the ground plan is chalked on the foundation plate the assembly can be started
- Setting of wall elements
- Fixing of wall elements with oblique supports
- One floor incl. the ceiling can be finished in one day
- Only 3 workers can erect a solid construction within a few days and this in constant quality
Redblocsystems offers worldwide licences and turn-key plants for production of wall elements made of building blocks like ceramic bricks, aerated concrete, silica blocks, expanded clay blocks etc.

**Advantages of redbloc:**

→ 150,000 – 200,000 m² of wall elements annually
→ app. 600 one family houses annually
→ one construction in 4 days
→ constant quality
→ exact cut out’s without chiselling
→ sloping roof elements, roof beams or stringers
→ short construction time
→ perfect masonry
→ no thermal bridges
→ no mortar joints