

EXTRUDER P7



ADDED SAFETY

Flat design. Antiskid system on service platform and foldable steps.

HIGH-EFFICIENCY SHEAR COMPACTION

Optimized cement usage, no strand slippage. Less rejected slabs.

MODULAR STRUCTURE

Slab type can be changed by changing only the nozzle module. Quick to change.

FACTS IN BRIEF

Height	2110–2150 mm
Width	1670 mm
Weight	6300–8500 kg
Slab width	1200 mm (2400 + others also available)
Slab thickness	120–500 mm
Voids	4 - 8 (various shapes)

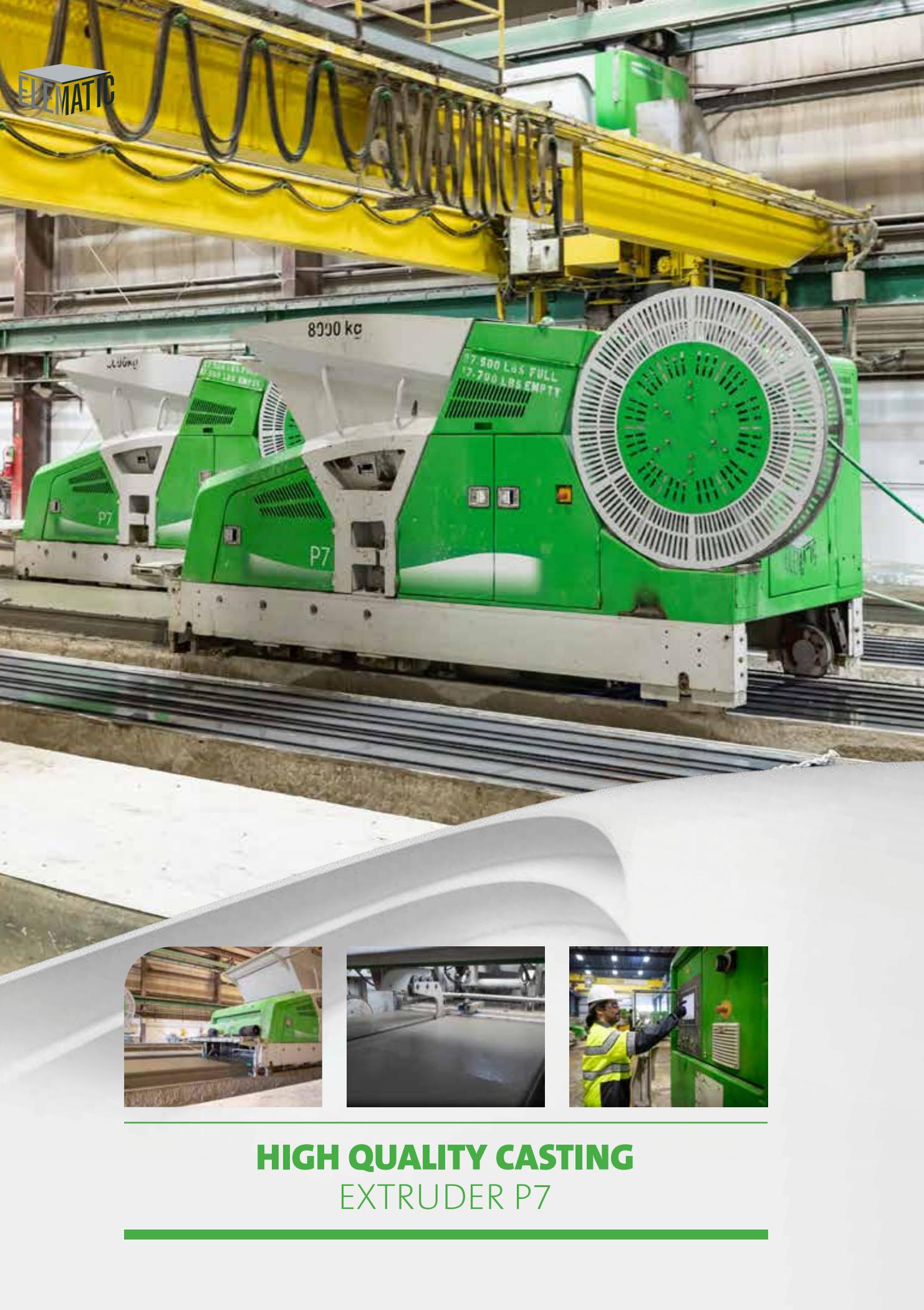
SMART SOLUTIONS FOR PRECAST CONCRETE PRODUCTION

Elematic provides precast concrete technology, production lines, equipment and related services that help customers succeed. We are the global technology and market leader in precast concrete technology for residential and non-residential buildings.

Our precast production technology is highly respected worldwide for its high quality, excellent productivity and efficiency, and advanced solutions. We believe in continuous improvement of our operations and offering to develop our customers' business in a smart way. That's why we are trusted by 40% of the world's precasters.

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104-0921-EN



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HIGH QUALITY CASTING EXTRUDER P7



COST-EFFICIENT PRODUCTION: EXTRUDER P7

HIGH-QUALITY WITH SHEAR COMPACTION

The Extruder P7 is a shear compaction extrusion casting machine for hollow core concrete slabs of 1200 mm in width and a variety of thicknesses (depths).

The Extruder's high compaction efficiency enables a minimum cement content, accurate slab geometry and lower production costs. You can cast shaped cross sections smoothly, because concrete placement is even all around. It also helps to reach your targets for a low number of rejected slabs.

Automatic compaction control ensures consistent high quality and decreases the time an operator needs for follow-up.

You get hollow-core slabs with high load-bearing capacity and accurate dimensions. The smooth slab surface requires minimum finishing on site.

As the machine uses automatic compaction, also structures with very closely inserted strands are cast smoothly and concrete placement is all around even.

Extruder P7 is also available with software that supports fully automatic operation. It records and stores data for optimal monitoring and control.

LONG LIFETIME, EASY MAINTENANCE

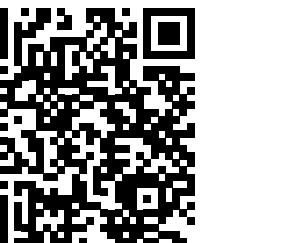
Extruder P7 is a robust machine with a long lifetime – mainly because it does not vibrate. Thanks to the shear compaction method, the noise level in the factory is dramatically lowered.

The machine is designed for continuous production. It is sturdy and durable, fast to clean, and easy to maintain.

The structure design prevents concrete from spreading and wear parts are easily accessible. Wear parts have a longer lifetime, because of the extremely hard carbide. Durable OEM wear parts are immediately available from our warehouse.

Troubleshooting has also been made easy with clear alerts, a data log, and status display with currents, speeds, runtime etc. Troubleshooting can be done remotely via internet/Wifi.

WATCH VIDEO:



FLEXIBLE PRODUCTION

Changing the slab-type is fast. Thanks to the modular structure of the Extruder, you only need to change nozzle modules or exchange parts. No time is wasted between different products, because all settings are saved and used automatically when the nozzle module changes.

By changing the nozzle module, you can cast high quality hollow core slabs with heights from 120 mm to 500 mm, and widths from 0.4 – 1.2 m*.

The slabs can have various accurate cross-sections including round, shaped, light, and heavy, and different amounts of voids.

Other products include solid, pile, prestressed, stadium, wing, pole, foundation, hollow core wall, and fence.

*up to 2.4 in case of 2.4 m wide Extruder

SAFE TO OPERATE

Elematic's latest machine models are equipped with various solutions to reduce occupational accidents and safety risks.

The Extruder P7 has a flat surface and easy access due to rear platform with foldable steps and an anti-skid system on all steps. There's no need to climb to heights because the concrete level can be checked from ground level.

Precast hollow-core slabs save up to 50% in concrete compared to cast-in-situ. Furthermore, superior compaction makes it possible to reduce the cement content.



THE AMOUNT OF CEMENT TRULY MATTERS

If your cement usage decreases a **100 kilos per cubic metre**, the annual cost saving will be up to **371 200 €/a**

How?
$$80 \text{ €/t} * 0.1 \text{ t/m}^3 * 320\,000 \text{ m}^3 / \text{a} * 0.145 \text{ m}^3/\text{m}^2 = 371\,200 \text{ €/a}$$

(HCS 5/265 = 0,145 m³/m².
Elematic 250 kg/m³.
Competitor 350 kg/m³.)

CARE. GROW. CREATE.

WORKING TOGETHER FOR CONCRETE RESULTS

Based on years of experience with the needs of precast factories around the world, we have created a range of services to support you in your precast operations and to provide you with concrete results: improved profitability, better efficiency and higher uptime.

EXPERT CARE

We offer continuing expert care to ensure higher uptime. A comprehensive range of services and technical support are available to you throughout the lifetime of your precast plant – from commissioning and maintenance, to upgrades and modernization.

SERVICE AGREEMENTS

The Elematic service agreement protects your equipment investment and increases uptime. The agreement covers the helpdesk support, regular maintenance visits, and machine and equipment audits and training.

HELPDESK

In the case of a sudden or unexpected production problem, the Elematic Helpdesk is your first point of contact. Swift, expert help is available 24/7 in multiple languages to resolve problems via remote access, phone, and email.

SPARE PARTS

Spare part availability is key to keeping a precast factory running smoothly, which is why we have over 3000 spare part items available in stock for fast delivery from three different locations: Finland, the UAE and the USA. It's not just the availability of spare parts, it's also their quality: our OEM wear parts have proved to be the highest performers, with the longest service life.

E-SHOP

The Elematic E-shop is open 24/7, enabling you to review and order high quality Elematic spare and wear parts at your convenience. For high levels of productivity, parts availability matters.

