

maxtruder

maxtension

70
YEARS

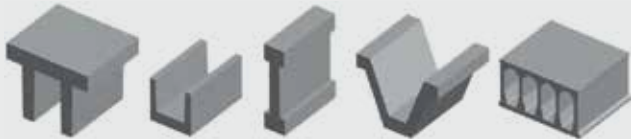
maxtension

Prestressing of precast concrete elements

Our solution variants for tensioning strands or single wires:

- maxtension smart single-wire tensioning system
- maxtension classic single-wire tensioning system
- maxtension group tensioning system

Typical application examples Faultless prestressing and post-tensioning



30–300 kN

Several stressing jacks can be connected



Proven many times: maxtension classic

Stressing wires are first evenly pre-tensioned. In a second work step, the operator stretches the wires to the target tension. The stressing lengths and forces are then recorded manually and documented and evaluated in the stressing protocol.



maxtension classic



maxtension classic

Product video

maxtension

A milestone for quality assurance

Accurate with safety: maxtension smart

The single wire tensioning system is used for the automated, intelligent, fast, safe and precise tensioning of all single wires to the required stressing forces in one go. As often a mixed tensioning of the strands occurs, several stressing jacks can be connected and used at the same time. The advantage here is that the tensioning process is as well as the documentation is carried out in one step.

- Continuous stressing process without initial pre-tensioning, immediate clear evaluation
- Highest precision through robust sensor technology and intelligent software
- Error-free and tamper-proof data recording and backup
- Data transmission from/to higher-level systems
- Several stressing jacks can be connected, automatic recognition of the stressing jack

Fastest error-free prestressing and post-tensioning. Import of tensioning data including tensioning graphics directly from your design or production management. Graphic instruction to the operator on which wire to tension. Fully automatic measurement of stressing forces, lengths and pressures during each stressing operation. Immediate clear evaluation. Alarm in case of faulty tensioning process. Fully automatic creation and storage of tamper-proof stressing protocols. Data transfer to quality assurance, PPS and ERP programme.



maxtension smart

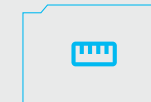


Main benefits of maxtension smart



57 %
Time saving

Uninterrupted tensioning process with immediate data recording and analysis



99 %
Precision

High-resolution, redundant measuring systems combined with intelligent control



100 %
Quality assurance

Error-free and clear data recording, automatic backup, Wi-Fi interface



maxtension smart
Product video

Quality and efficiency

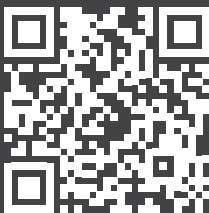
We combine both.

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