

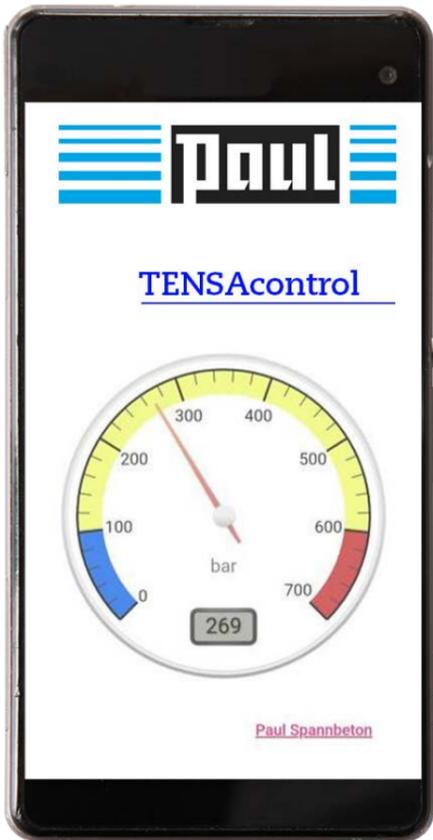


bauma 2019 news

economic
trailblazing
innovative
new
trendsetting
progressive

AT THE PRECAST CONCRETE FACTORY

Just in time for BAUMA: TENSACONTROL got smart



Turn your existing equipment into a TENSACONTROL, with a new stressing jack and the appropriate app on your smartphone.

The only thing you need is a 24 V power supply on your hydraulic unit. No conversion and no computer is required.

The app on your smartphone is logging the data and you are sending the data to the office for evaluation and documentation. Intuitive operation, the jack learns what you want to do.

Easier and more reasonably-priced than ever!



The turbo for preparation

When using our new detensioning unit, you extend the detensioning cylinders at up to triple speed for insertion of the support sleeves. As soon as the compressive strength of the concrete has been reached, you are overstressing the prestressing steel under load by a few millimeters. Afterwards you are softly transmitting the stressing force to the precast element.



Pushing machine

The revised wire/strand pushing machine is now fitted with an integrated electrically operated steel cutter and with an electric height adjustment. With radio control it will be a valued helper for the preparation of the casting bed.

More reasonably-priced than before!

FOR THE PRODUCTION OF HOLLOW CORE SLABS

A new concept makes it possible to stress and detension at only one end of the hollow core slab bed. The active end remains clean and the operator keeps everything in view. The prestressing steel projection is reduced by means of a pulling anchor.

Double-acting cylinders are used for economy of time, allowing partial prestressing of the tendons in a bundle. The final stressing force is applied using a single-wire stressing jack and the force and elongation are logged at the same time.

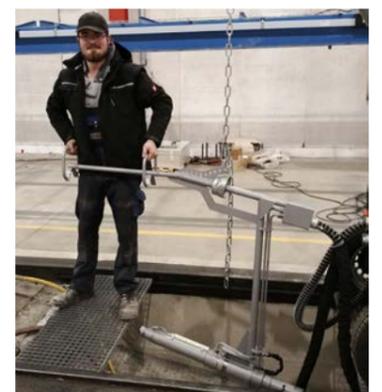
The comb-like abutment anchor plates and the perforated plates prepared allow an efficient covering of the casting beds at the passive end.



Extended handle

Take yourself out!

When using the extended handle for the stressing jack you will stand above the stressed strands instead of behind them. To protect yourself against prestressing steel breakage at the casting bed you should use a movable or tilting guard.



POWERFUL IN USE



22000 kN stressing jack

Bundled force for a lot of climate-neutral energy: Our newly developed 22000 kN stressing jack with 1 m stroke has been used at the Hazelmere Dam in South Africa.

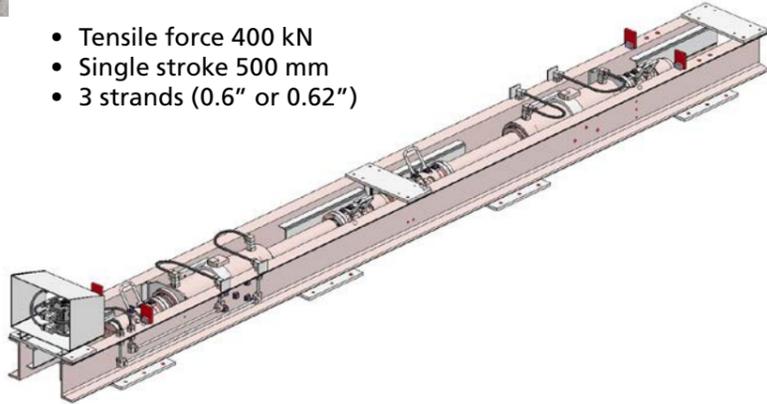
See the 15000 kN stressing jack of BAUMA 2016 in comparison.

Pull by pull without cease

Quick launching using two cylinders in push-pull operation. One cylinder extends, the other one retracts – for an almost uninterrupted launching.

The grips of this synchronous stroke system for simple launching tasks are opened and closed manually.

- Tensile force 400 kN
- Single stroke 500 mm
- 3 strands (0.6" or 0.62")



Are we still pushing?



You have things under control by using the Paul control unit!

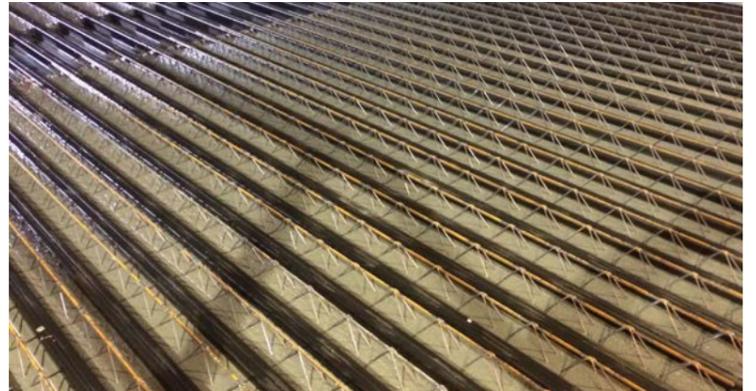
When using a special control unit for braked launching, like with the Lennetal Bridge, you are controlling the movement, whether you have to push or brake.



AUTOMATIC PRODUCTION

Prestressed inverted T-beams

Paul's automatic assembly machines and automatic stressing and detensioning machines allow an efficient production of prestressed inverted T-beams using the carousel system.



Quadruple automatic detensioning machines according to current DB standard

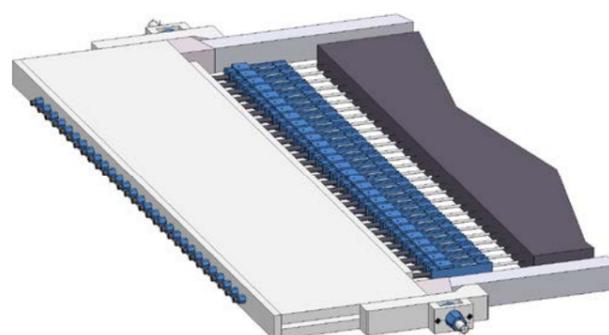


We have developed suitable concepts and are in contact with the Deutsche Bahn (German Railways) to make it possible for you to gently detension the sleepers with your new machine and safely comply with the standard.

Uniform detensioning for pallets using the carousel system

Particularly flat prestressed elements require a gentle and uniform transmission of the prestressing force in order to avoid previous damaging. A hydraulic detensioning system requires a lot of space and strains the budget.

When using mechanical detensioning with wedges you can keep both the costs and the required space within bounds.




Maschinenfabrik GmbH & Co. KG

Max-Paul-Straße 1
88525 Dürmentingen
Germany

+49 7371 500-0
+49 7371 500-111
info@paul.eu
www.paul.eu

For any questions: **Please contact us!**