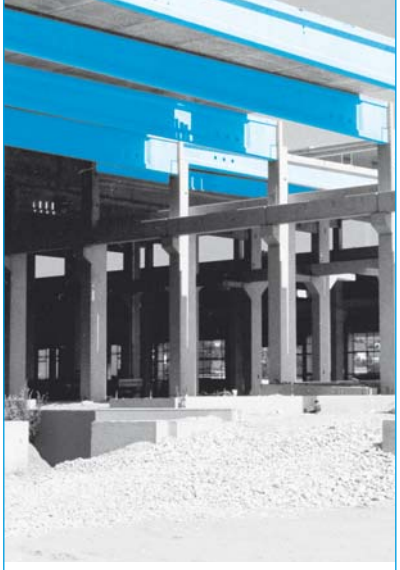

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Anchor Manufacturing System

with TENSA Premium CNC Control

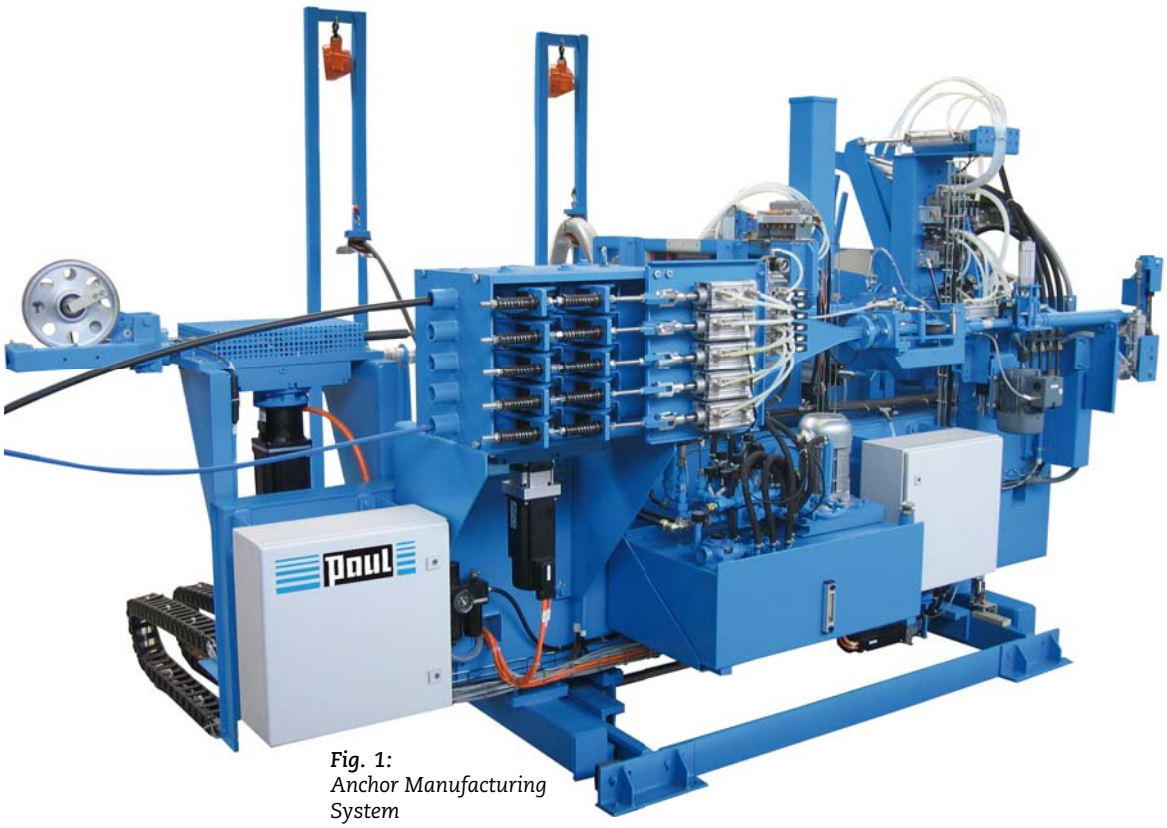

Fig. 1:
Anchor Manufacturing System

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Description of system

The anchor manufacturing system produces all anchor components automatically based on an anchor list that is generated on an office PC and transmitted via a data cable to the TENSA Premium control. The anchor list containing specific anchor data, such as bonded anchor length, unbonded anchor length, quantity required, etc. is displayed on the screen during operation. The items programmed are worked off one after the other and the item being processed can always be followed on the screen.

The system comprises two guide channels and worktables allowing the simultaneous manufacture of two different anchors. A pusher feeds the plastic sheath into a guide channel and cuts it to the required length. Thereafter the sheath end is expanded to allow the insertion of the strand.

The machine moves sideways to position a second pusher before the sheath for inserting the previously chamfered strand into the sheath. On permanent anchors the strand is also greased as it is being inserted. Before injecting the grease the strand is automatically untwisted to obtain a high filling degree.

After cutting the strand to length by an electric cutter the two cut faces are chamfered. Then the sheathed strand is fed out of the machine and ejected from the guide channel.

In the next work step the vent and injection hoses are automatically bored as specified in the anchor list and cut to length.
When all anchor components are completed and placed onto the worktable, they are bundled, provided with spacers and wound up by means of a coil winder.

Fig. 2:
TENSA Premium CNC Control

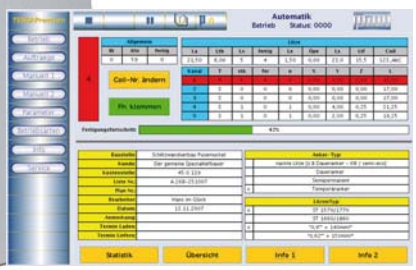

Fig. 3: Info window

Output capacity

Product:	4 or 5-strand anchors, 15 to 20 m long
Anchors per day:	60-80 complete anchors
Prerequisites:	• 8-hour operation • 6 persons (2 on either side of the worktable, 1 for winding up the finished anchors, 1 for organisation)

The capacity is largely dependent on the time required for the bundling and winding up of the anchors. The system is capable of producing a higher number of sheathed strands.

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