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Trenchless Pipe
Replacement

New Performance
of a NO-DIG
Technology

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New Performance of a NO-DIG Technology

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„Pipetronics eMULTI – one Robot-System with extended applications“

Pipetronics, manufacturer of pipe rehabilitation robots, has added a new function to the eMULTI system, which combines the electrically driven eCUTTER milling robot, the approved PI.TRON filling and grouting system with the new hat profiles to connect lateral pipes into one device with individual composition: PI.TRON¹ stands for the top hat installation device, PI.TRON² for the classic smoothing and grouting system, and PI.TRON³ for the overall system used for filling, grouting and installing top hat profiles.

Pipetronics has modified the setting bridge on the PI.TRON filling and grouting system. The drives are now used to retract and extend a metal shield coated with silicone. The metal tag and the rubber bladder can be heated, accelerating curing for the laminate by adding heat. This design makes it possible to keep the tab fitted with the top hat profile very small when inserting it into the sewer.

The second new development by Pipetronics in 2019 is a new carriage for egg-shaped pipes up to 600/900, which can now be flexibly adjusted to the right height in the sewer from the command console with electrical controls. In contrast to robotic work in circular profiles, the height of the working head must be individually adjusted to the processing position in an egg-shaped or specialized profile shape.

PI.TROC 21 epoxy resin, available in cans and 700ml tubular bags, developed in-house by Pipetronics, has also proven itself in practice for rehabilitation of lateral side inlets with the PI.TRON grouting system.