



TESSURATORE SR 200

RICCINI s.r.l., leading manufacturer of plastic pipe, on the market for 35 years, has created and patented a new corrugated drainage pipe available in a vast range of diameters and clad in filtering nonwoven fabric. The SR 200 TESSURATORE wraps the corrugated drainage pipe in nonwoven fabric that is then ultrasound-welded to the pipe becoming firmly bonded to it, enabling the pipe to be laid very easily even using land drainage pipe laying machines.

The SR 200 TESSURATORE has been designed and manufactured applying the latest technology.

The machine has a rugged mechanical structure whilst the electrical and mechanical adjustments enable the system to be easily adapted to the diameter of the corrugated pipe.

The machine is also equipped with wheels for quick alignment with the extrusion unit and two spool holders for the spools of nonwoven fabric. With this device the operator has enough time to change the empty spool without stopping the production cycle. Spool replacement is made even easier with a quick connect system. The corrugated pipe is drawn inside the machine and then wrapped.

The ultrasound bonding system operates continuously. The generator, with its vibration unit and its tempered steel sonotrode, ensures perfect bonding of the nonwoven fabric, making the wrapping stable and long lasting. This technology represents a significant innovation, replacing traditional technologies using glue or natural-fibre based cladding, which do not enable the drainage pipe to remain operational over time.

The electrical system is equipped with a PLC and a touch screen keyboard for programming.

The machine management software automatically adjusts the pipe transport speed with the extrusion speed.

There are also a series of safety doors making the machine safe pursuant to EC Standards and enabling access inside of the Tessoratore for normal adjustment and maintenance procedures.

The machine is also equipped with sensors that detect the presence of the pipe and the fabric to be wrapped around it. This way production is constant and reliable.

TECHNICAL SPECIFICATIONS

DIMENSIONS	600x1400x1900
POWER SUPPLY	400 v - 50 Hz
POWER	3500 W
PIPE DIAMETERS	40mm min. 200 mm max
NONWOVEN FABRIC SPOOL DIAMETERS	1000 mm max.
PRODUCTION SPEED	12 m/min. max
ULTRASOUND POWER GENERATOR	2000W
OPERATIONAL FREQUENCY	20 kHz

Since 1952 the Riccini Company has been working with thermoplastic transformation in the field of the "plastic pipe manufacture". Working without interruption for over a half a century, for more than thirty-five years the company has concentrated all of its resources in the manufacture of plastic pipe targeted at diverse application sectors offering in this manner a varied range of products. The excellence of our products together with our constant search for greater service quality, ranging from the punctuality of our deliveries to the technical and sales support services we offer, are the strong points that have projected the Riccini trademark onto the national panorama, and not only.

The cladding material, wrapping the perforated drainage piping, made of synthetic nonwoven fabric, the structure of which may be compared to a true filter, creates a "sedimentation chamber" around the pipe, filtering out all of those impurities that would otherwise follow the liquid inside of the pipeline up to the point of causing, over time, a reduction of flow rate or even its complete fouling.

The filtering nonwoven fabric, attached directly to the pipe during manufacture, speeds up and makes the filtering capacity constant over time for the entire surface of the drainage pipe, ensuring long service life, also owing to the fact that the materials used will never deteriorate.

The high drainage capacity of the eco-compatible and imperishable synthetic filter as described, is ensured by the structure of the fibres mechanically bonded with needling.



The synthetic filter wrapping the drainage pipe is permanently bonded to the pipe with the SR 200 Tessuratore integrating it with the pipe thus enabling great ease of installation even using mechanised pipe laying methods.

The clad pipe may also be packaged on winding reels ready to ship. The exceptionally strong mechanical bonding enables the clad pipe to be stored without any deterioration.



AZIENDA CERTIFICATA UNI EN ISO 9001:2008

Via Loredana, s.n. - 06132 Perugia (PG) Loc. San Martino in Campo - ITALY
tel. +39 075 591031 fax +39 075 5917020
email info@riccini.it web www.riccini.it