

7. Quality assurance during production

Our foremost concern and basic commitment is total quality assurance and a significant part of our efforts is directed towards this. The mechanical equipment used for the manufacture of the pipes and fittings assures the highest degree of quality.

Apart from the usual mechanical equipment for pipe manufacture, Interplast production lines are equipped with the equipment listed below, ensuring that the consumer receives final products of the highest quality.



Raw material dehumidifier.

In this way the intake of the Extruder is stabilized for raw materials that easily absorb humidity. Thus we eliminate the problem of altered dimensions, which is a quite frequent phenomenon in plastic pipes.

Additives mixed by aid of a gravimeter.

In this way we can achieve a materials mix divergence in the order of $\pm 0.01\%$. In raw materials such as PEX it is very important to have an accurate cross-linking additive proportion. If the proportion is not absolutely accurate the pipe loses strength or becomes hard during manipulation by the plumber.



Automatic correction of screw turns.

Thus we achieve steady weight per meter in the manufactured pipe, which means steady dimensions.



Automatic correction of pipe wall thickness.

A system where we define the desired limits of wall thickness which are then regulated automatically by means of the extruder.



Checking of outer diameter by LASER.

The absolute values of the laser scanner ensure proper fit of the brass fittings to the cross-linked polyethylene pipes, as well as the proper fit of the PP-R pipes to the corresponding fittings during the thermal fusion welding process.



In addition to all the above which, in Interplast's case, are a prerequisite for production of its products, the following are just some of the many aspects that ensure the high quality of the pipes and fittings.

- First-rate mechanical equipment specially designed for pipes and fittings in order to achieve optimal homogenisation of all our products.
- Fitting test of pipes and fittings. In this way we guarantee proper fit between components of our own manufacture.
- Dimensional checking of the pipes and of the fittings by the line operator.