

uponor

Machinery and Technology for Plastics Industry

by Uponsor Infra



Uponor Infra is a joint venture between the Uponor Corporation and the KWH Group established in 2013 by merging the two owners' infrastructure businesses. The company has a leading position in the infrastructure pipe systems markets in northern Europe, with operations also in North America and Asia. Uponor Infra Technology is based in Vaasa, Finland.

Since the 1960's, the Uponor Infra Technology has been supplying equipment and technology solutions for customers worldwide. Uponor Infra offers a wide range of high-quality products and services and carries out complete turnkey factory projects.

Extrusion

Uponor Infra provides complete extrusion lines for PEHD pipe manufacturing in dimensions ranging from 16 up to 1600 mm. In addition, Uponor Infra also supplies PP-r and PE-RT –pipe manufacturing equipment. 50 years experience in design and manufacturing of plastic pipe extrusion lines ensures successful solutions for every customer.



Preinsulated Pipe Production Technology

Uponor Infra provides versatile turnkey solutions for preinsulated pipe production, including training and support services. The product range consists of jacketing pipe extruder lines, straight pipe insulation, preinsulated fitting production, technology for pipe joint insulation at site and quality control.



Production lines for PU preinsulated flexible pipes

The complete pre-insulated pipe production line package includes machinery for continuous production of flexible pipes for district heating or cooling networks. The continuous pipe foaming process is one of the new highly advanced production technologies.





Weholite Licensing

Weholite is a patented pipe construction making it possible to manufacture pipes up to DN/ID 3500mm for different application areas such as gravity sewerage, drainage, storm water, road culverts, retention tank systems as well as low pressure applications. Additionally there is a major potential for added value fabricated products such as manholes and tanks. Weholite is currently manufactured under license by nine licensees on five continents. Uponor Infra, former KWH, pipes are manufactured under license for about 30 years already and the experience gained has encouraged to further develop the licensing concept into the industrial franchising.

Wehocoat - Field joint coating system

Uponor Infra and Borealis have developed a new patent applied system for coating of field joints. The system is based on Borealis newly developed Borcoat™ material and the Wehocoat machine developed by Uponor Infra.

The Wehocoat Machine is a device specially developed for extruding a molten PE based polymer film onto a steel pipe field joint area for joint protection. This field joint coating method can achieve a joint at site conditions which can fulfill the minimum demands as stated in the ISO - FDIS 21809-1 for a factory coated steel pipe and is defined according to ISO 21809-3 section 5E. Models are either for on-shore or off-shore applications.



Tools and Machinery even for large diameters

Uponor Infra is the world leader in manufacturing of cutting and welding equipment for large diameter plastic pipes and fittings. The product range includes equipment for straight pipes joining by the butt fusion or extrusion welding technology, polyurethane foaming machines, band saws, factory welding machines for fitting production, as well as apparatus for welding quality supervision and welding parameter control.



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