



THE BIGGEST PIPE LINE IN VIETNAMISE TERRITORY 1000 mm diameter - HDPE

AMUT has been recently chosen by a primary Vietnamese Company, leader in the production of PE and PVC pipes, as the supplier of a complete plant manufacturing big PE100 pipes, with a max outer diameter of 1000 mm and an hourly output of 1.200 kg.

The line will be installed in the Dong Nai province in the next weeks and the pipes will be used to build a new water distribution system in the region of the Mekong Delta.

As for output and diameters, this is the biggest line for the production of HDPE pipes operating in the Vietnamese territory.



For such project, AMUT has designed a brand new extrusion head, compact and with flow distribution on 16 spirals which grant a perfect homogeneity of the pipe thickness on the whole circumference.

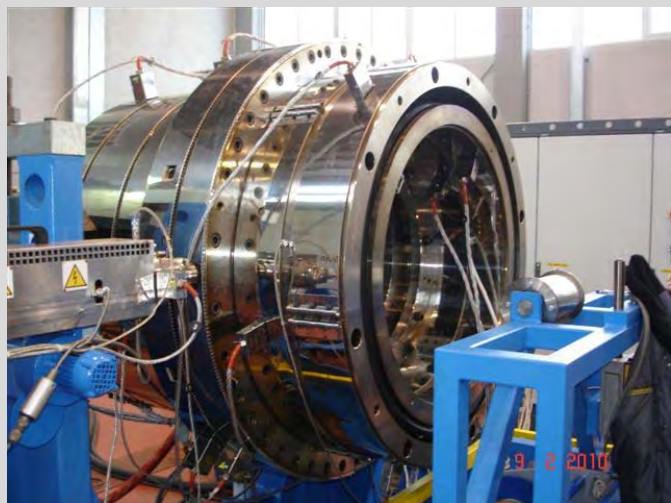
The extruder matched to this head is the new EA130 HP (high torque) with a 40:1 L/D ratio. This machine, equipped with 400 kW motor, feeding bush with a remarkable heat exchange and 40 diameters plasticizing unit, allows to achieve outputs up to 1.500 kg/h referred to a 1000 mm pipe. Furthermore, to prevent wear, the extruder is fitted with lined barrel and colmonoy-coated screw.

The plant includes two vacuum troughs. The first one is 10 m long and enables, by means of an

hydraulic cylinder, to separate the first stage from the second in order to ease the starting procedures and to insert the ultrasound thickness measuring system; the second one is 6 m long and single-stage.

The total cooling length is 34 m, necessary for the production of pipes according to the pressure regulations PN6 and PN8; the 8-caterpillar haul-off unit has a pulling force up to 9.000 N, while the cutting unit with rotary blade allows to cut HDPE pipes with thicknesses up to 60,5 mm and it is equipped with universal pipe clamping devices.

To check the final product quality, the line includes a gravimetric dosing unit as well as an ultrasound thickness measuring system, totally controlled by the new conception supervisor by AMUT.



Detail of new extrusion head, compact and with flow distribution on 16 spirals