

Plastics recycling plants from Germany

A.R.T. Recycling Technik GmbH, Germany, is offering systems that can process plastics to yield profiles, moulded pieces and granules. Single units to complete installations for plastics recycling and processing are available. Multi-station plastics preparation and processing plants facilitate economical production of finished products from plastic wastes. Plastics preparation plants include dry preparation and wet preparation units.

In A.R.T. Multi-system, profiles can be made from dry-prepared, mixed plastics. After the prepared plastics have been melted and homogenized in A.R.T.-spezial extruders, they are led to a fully automatic revolving system. Now one can choose to produce in one working cycle between 18 different types of finished products (round, square, star-shaped, channelled) in different dimensions. A closed cooling system and a fully automatic output enables to achieve capacities of up to 400 kg/h.

Moulded pieces (plates, pallets, etc.) could be produced according to the desired wall thickness, using either dry- or wet-prepared mixed plastics. The special processing plants work according to the new low-pressure moulding procedure and have a capacity of about 600 kg/h. These new and multi-flexible extrusion lines can be equipped with different follow-up mould stations, depending on the finished product to be produced.

Granules can be obtained from pure or washed and separated plastic wastes. The regranulation plant comprises: a granulating extruder with degassing unit; twin forced feeder (for film chips); continuous screen pack changer; and hot die face cutting pelletizer. Based on the extruder type and raw material, throughput capacities of up to 1,000 kg/h can be achieved. The use of proven forced feeders eliminates the need for pre-densifying.

WEB SITES POPULAR WITH RECYCLING PROFESSIONALS

Associations

www.epa.gov/swerrims; www.napcor.com; www.grn.org/greenyes.html; www.nrc-recycle.org; www.swana.org; www.plasticsresource.com; and www.usace.army.mil.

Publications

www.amm.com; www.wasteage.com; www.wastenews.com; and www.recyclingtimes.com.

Commerce

<http://metalsnet.com>; www.uschina.org; www.cbot.com; www.bmex.org; www.denix.osd.mil; and www.recycle.net.

State/county specific

www.metrokc.gov; www.dnr.state.mo.us; www.proprecycles.org; www.dep.state.pa.us; www.consrv.ca.gov; www.ciwmb.ca.gov; www.anjr.com; www.deq.state.or.us; www.ecologyaction.org; www.georgiarecycles.org; www.ftcollins.org; www.caplásticosmarkets.com; www.recycletx.org; www.gciarecycling.org; www.prc.org; and www.stopwaste.org.

General

www.americarecyclesday.org; and www.grn.org.

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