



# WASTE TYRE RECYCLING AND AFFILIATED PROCESSING

## The plant

The plant will possess the technology and capacity to process and separate any type of solid waste material – from paper, rubber and plastics through to metals depending on various modules and their configurations that can be added to the plant.

## The products

### conventional:

- Floor coverings with non-slip, cleaning and protection characteristics;
- Backing for conventional carpet tiles ;
- Insulation and construction materials for sound- and weatherproofing;
- Flooring for tennis courts and sports tracks, e.g. tartan tracks;
- Bitumen rubber for roads construction;
- Crumb used in the manufacturing of slow moving vehicle tyres e.g. forklifts.
- A rubber compound for oil recovery from oil spills on land and water.
- Use of renewable sources in composite with recycled rubber granule for new applications

### “TPE” alloy based:

The recycled rubber (up to 60 – 70 %) as well as plastics (PP and PET, 30 -40 %) recovered from various sources can be processed into a variety of cost effective “*extrusion*” based products and “*injection moulding*” based products for example for automotive industries .

The same refers to any plastic furniture , house appliances, sports and recreation facilities, different building materials e.g. partitions, ceilings, roof tiles, road signs; manhole covers; transport pallets - to mention only a few.

Any user of injection moulding will easily create his products on the basis of this new source material.

## Installations and capacities

- ▶ complete technological equipment and know-how from cleaning, de-beading , shredding, granulation, screening , separating , splitting and moulding
- ▶ complete technological equipment and know how for powder-like products from recycled rubber granule.
- ▶ complete technological equipment for the manufacturing of TPE alloys and for further manufacturing of finished products

## Services

### Design of

- ▶ the specific project as well as planning of the entire construction from its manufacturing in Europe up to the installation at the client’s site
- ▶ technological, electrical and mechanical works related to the production lines
- ▶ utilities,
- ▶ marketable products,

### Delivery of

- ▶ equipment and utilities,
- ▶ supervision and chief assembling of all necessary installations
- ▶ supervision of civil construction works

### General contracting

- ▶ project engineering and coordination services
- ▶ coordination of supplies and services
- ▶ supervision of erection and commissioning
- ▶ training of staff
- ▶ technical assistance



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