



## Shredding of solid, technical hard plastics

A powerhouse of endurance

Vecoplan works closely with customer to design a particularly robust, single-shaft shredder that manages a direct and unsorted task of the material, almost regardless of size and mass.

# Full of power

A supplier of thermoplastics recycles production waste in-house. The focus is on technical hard plastics with excellent mechanical properties, which on the one hand are expensive and whose recycling is demanding but very economical.

The valuable process waste in the form of startup lumps or rejects should therefore be returned to the production cycle. Vecoplan enables material processing

with the Vecoplan Heavy Duty, a particularly strong and solid version of the VAZ 1600 XL. All components were consistently designed for the demanding input material.

## Equipment

- Belt conveyor
- Permanent magnetic drum
- Y-chute
- Double Big-Bag station



## VHD 1600

- 111 kW
- U rotor, 40 mm
- 50 mm screen perforation

### Increase lifespan:

- Thick-walled, ribbed machine housing
- Reinforced side walls
- Reinforced machine bottom

### Optimize hard plastics shredding:

- Hardened concave cutters
- Solid designed traverse with screwed hardened counter knives
- Reinforced ram design
- Large guide rollers
- Modified resp. reinforced hydraulic unit
- Optimized seals



### Minimize impact force of input:

- Elevated machine bottom
- Inclined base plate

All machine components are particularly robust

Synchronous motor as a direct drive without a mechanical drive train

## Vecoplan USP

Individually and in detail tailored to customer requirements

## Input material

Technical hard plastics of considerable size from

- PA6
- PA66
- PA6G
- PP
- PE

## Output material

- Particle size: 50 mm
- Capacity: up to 3000 kg/h



„Since the start of the project in July 2017, Vecoplan has fulfilled all our wishes: Now we can recycle the solid production rejects as regrunulates into our processes and thus create a profitable cycle in-house.“

**Vecoplan®**

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