



Application

Source of money – Saving of raw material by recycling of sprues

During the production of plastic products sprues result at the injection moulding machine. After careful grinding of these sprues the granulated material can be added again to the production process. The advanced mills for incline of the series 150 (MDS-series) of Hellweg Maschinenbau GmbH & Co. KG produce, set up directly beside or inside the injection moulding machine, a qualitatively high-graded and thermal not harmed granulated material, which is distinguished by sharp edges, a high homogeneity and less parts of dust.

The machines are fitted with solid rotors made of one material blank, as a closed or an open version. From this results a sturdiness of the rotor against torsion, a high flywheel effect and as a result of this an optimal power transmission. Furthermore a constant bevel cut with an always equal angle is guaranteed. Hereby and in connection with the construction of the cutting chamber an optimal feeding of the material is guaranteed, too. By this and because of the high production quality a low driving power with an high efficiency is sufficient.

The rotors are mounted in on a large scale dimensioned external bearings, which are integrated in the sidewalls of the housing. This results in a high sturdiness. Additional air chambers are integrated in the bearings, so even after long operation no granulated material or dust can penetrate. The material will be pushed through a sieve, optional through a special sieve. The holes of the sieves (diameter of holes 3-30 mm) are geometrical so constructed, that the granulated material can't contain thin and long parts, which would depreciate the quality of the granulated material. The design of the feeding hopper and the exhausting are customer-orientated.



An easy of access opening makes a quick and easy cleaning of the machines possible. This is especially worthwhile for frequent changing of material and/or colour, and for the changing of knives. The protective strip of the sieve as well as the impact plate may become worn. The rotor knives will be fastened directly on the rotor. So the adjustment of the gap happens easy by the adjustable fixed knives.

The working width of the machines is 120 mm at a rotor diameter of 150 mm. They are fitted with three rotor knives and two fixed knives. The driving power is between 1.5-2.2 kW at a capacity of 10-40 kg/h. The rotor speed is approx. 280 r.p.m. The weight is approx. 170 kg.

Hellweg Maschinenbau GmbH & Co. KG
Vennstraße 10 52159 Roetgen/Germany
Tel. +49 (0) 24 71 / 42 54
Fax +49 (0) 24 71 / 16 30
info@schneidmuehlen.de
www.schneidmuehlen.de