

M100

Film Scrap Grinder



The edge trim grinder M100 was developed for the in-line processing of edge trims in film production.

It is suitable for the intake of edge trims immediately at the winder of blown film lines or just in front of the slitting of slit tape lines. Other applications are the intake of edge trims of flat film lines (intake at the winder, too) or other processes, where a small amount of trims have to be withdrawn by suction and shredded immediately as for example the production of solar cell films.

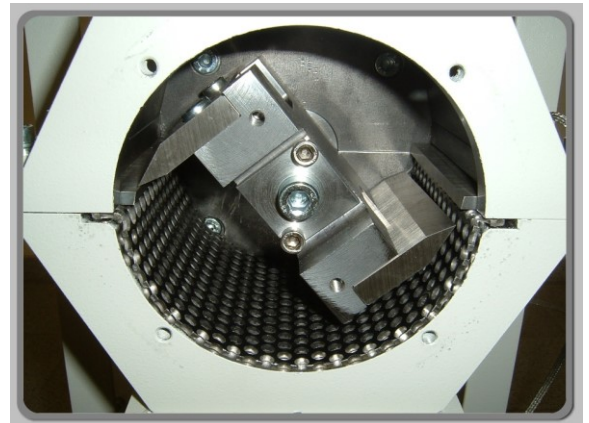
The machine is able to suck in edge trims, via intake trumpets, the pick-up manifold, in a quantity of up to 25 kg/h and to refeed the ground material directly to the process. For this the ground material, also called fluff, will be blown by an air blower to a cyclone where it is gently separated from the air stream.

The fluff can be re-fed to the extrusion process either by a driveless re-feeding or by a refeed machine (type RMX). The critical point is the relation between the amount of fluff and the amount of virgin material in form of pellets. Please watch the Rec&Spec sheet which we will gladly send to you on demand.

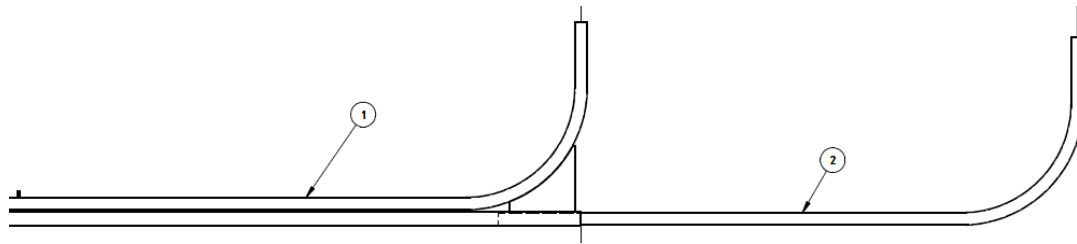
The edge trim grinder M100 consists of an edge trim intake system with one or two suction trumpets, a frame with built-on grinder and integrated blower FNE2. The blower is simultaneously providing the air stream to convey the fluff. The conveying distance for the fluff can be up to 25 m.



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Pick-up Manifold

The grinder is directly driven and is working with the scissor cut-principle. It is equipped with two rotor knives and two stator knives. The stator knives can be adjusted from outside and the rotor can be removed completely if necessary. To achieve a homogenous fluff when ramping up a line, the grinder can be operated via an electronic frequency converter. This ensures that the duration time and in consequence the uptake of electrostatic charge by the fluff remains as low as possible.

Specifications

Data:

- One or two edge trims of up to 35mm width and max. 600 μ thickness
- Suction distance of up to 2.000mm
- Grinder drive 4 kW (only 1,5 kW are needed) to increase the lifetime
- Blower power 1,5 kW
- Direct activation possible

Options

Optionally available are ON/OFF switch, sound absorber for suction side, security switch for the mounting cover plate and a frequency converter. For conveying distances greater than 25m a boosted blower is available.



PROCESS CONTROL GmbH
Industriestr. 15, 63633 Birstein, Deutschland
Tel: (+49) 0 60 54 – 91 29 0 Fax: (+49) 0 60 54 – 91 29 99
E-Mail: info@ProcessControl-GmbH.de
Internet: www.ProcessControl-GmbH.de

PROCESS CONTROL Corporation
6875 Mimms Drive, Atlanta, GA 30340 USA
Tel: (+1) 770 449-8810 Fax: (+1) 770 449-5445
Internet: www.Process-Control.com