

MIXERS

Inline mixer for injection molding or extrusion



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For the most PET injection molding or extrusion processes the normal inline dosing principle works without the use of inline mixers.

But when the plasticizing screw of the extruder or injection molding machine has a limited homogenization capability,

it is beneficial to use an inline mixer.

A selection from our inline mixer product range (for information about these products, please contact our dosing specialists):

Inline mixer 3PH
Motorized inline mixers

Inline mixer 50
Inline mixers for PET

Optimum performance with Inline mixers

Whether or not to use an inline mixer depends on the kind of plastic production process. The dosing specialists of Movacolor can give you a professional tailor made advice based on your type of production process.

Movacolor has developed a range of inline mixers that perform optimal in homogenization and coating of low melting colors or additives.

Motorized inline mixers

The motorized inline mixers in the Movacolor product range are ideal for use in the most demanding applications for both injection molding and extrusion applications.

The complete inline mixer construction is made of robust stainless steel, together with the small 3-phase motor this results in a compact, solid and durable end product.

The inline mixer is available as single inline mixer or combined water-cooled neckpiece inline mixer.

Inline mixers for PET

For PET applications a special inline mixer is designed with integrated water cooled flanges. The inline mixer is available with the 50 mm outlet or the 90 mm outlet depending on the size of the PET processing machine.

Both type of inline mixers can be carried out with an extra water cooled flange for mounting a second Movacolor dosing unit.

Easy cleaning of inline mixers

The inline mixers have a user-friendly design which makes it easy in use. The disassemble process of the inline mixer is made simple.

Just remove the 3 phase-motor of the inline mixer with the counter rotating mixer blades and all parts are reachable for maintenance and cleaning.

Inline mixers and hybrid systems

With a MCHybrid 30 or MCHybrid 200 blending

and dosing system the main materials or regrinds are mixed in a compact gravimetric batch blender.

Next to that the additives are dosed gravimetrically in-line, directly on the throat of the IMM or extruder.

By using the blending and dosing technology of the MCHybrid 30 and MCHybrid 200 in one machine,

you are able to control the capacities of the main materials in any given ratio and dose materials like regrind and masterbatch

at low percentages with great accuracy.

Specifications

APPLICATIONS

non-repelletized regrinds

Data logging options

SQL database

INPUT SIGNALS

encoder pulse input max 10 kHz

OUTPUT SIGNALS

Optional extra two analog inputs and two analog outputs (0-10 VDC or 4-20 mA)

Trouble shooting options

Full remote operation

NUMBER OF COMPONENTS

Removable weighing bin and mixing chamber

CAPACITY

Weighing bin 1.2 liters

Hopper size

6L

LANGUAGES

Portuguese, Spanish, Indonesian, Polish, Korean, Hungarian, Swedish, Romanian****

Recipe functionality

Upload recipes to controller

System requirements

Windows 7, Windows 8, Windows 10

View options (summary)

Status overview multiple units



LEADERS IN DOSING TECHNOLOGY