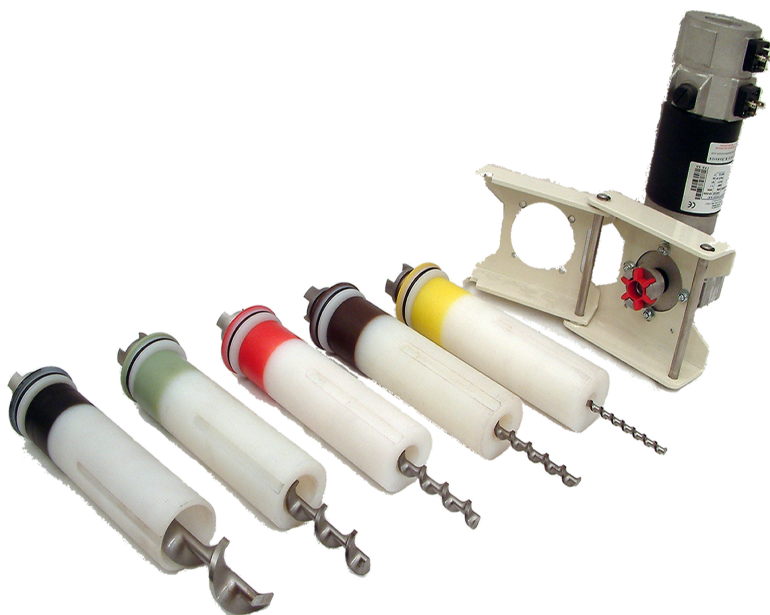


The weighing and dosing station **GDS4-eco** is designed for mono- and co-extruders with up to 500 kg/h throughput (depending on the material's density) and to integrate – measure and control - up to four (GDS6 – up to six) additional additive or master batch components. All hoppers are made of stainless steel with 300 mm Ø and with a refill volume of 30 l. Larger hoppers with 45 l and up to 800 kg/h are available on request.

The weighing station consists of a weighing hopper for each component and a pneumatic valve driven slider. Mature design of hoppers and slider technology allows reliable throughput measurement even in adverse circumstances. Material supply can be realized by integrating suction feeders into reserve hoppers.

For small throughputs, typically in master batch applications, we recommend smaller master batch weighing hoppers with direct on-top mounted loaders (see picture) to reduce waste of expensive materials.

The weighing station is field-proven and due to the modular design expandable in the field with low outlay.



For co-extrusion machines simply one GDS4-eco weighing station for each extruder is supplied. Power supply and the communication RS485 network are connected between the stations and only one single connection is needed to the control or display cabinet.

Various screw/sleeve sets for different applications are available to provide an optimal material flow of the dosing stations.

Complete program of suction feeders are available.

Equipment supplied:

GDS4-eco base frame, including

- Standard weighing hopper 300 mm Ø / 30 l (max. 500 kg/h throughput), with load cell and shut-off slider
- Weighing station cabinet (two sizes depending if two or four dosing units are mounted)
- Cable-set (6 m or more on extra request) for connection with control or display cabinet
- Network interface RS485
- Weighing module HWM, with refill automatic

For every dosing unit – additive or master batch (optional, up to four possible)

- Standard weighing hopper 300 mm Ø / 30 l (for max. 250 kg/h throughput), with load cell and shut-off slider
- (For master batch dosing Standard weighing hopper 300 mm Ø / 15 l (for max. 35 kg/h throughput), with load cell and flange prepared for mounting of suction feeder)
- Weighing module HWM, with refill automatic
- Dosing motor with MPC power control interface
- Dosing sleeve and screw of type red (other types on request)

Sufficient suction feeders are available on request.

Specification of dosing range depending to sleeve / screw combinations:

Ø	Colour	From [kg/h]	Up to [kg/h]
8/15	yellow	0,5	4,0
13/20	brown	1,0	16,0
17/25	red	3,0	40,0
25/34	green	8,0	130,0
25/50	green/black	10,0	260,0
40/50	black	20,0	400,0

Dosing capacity depends on raw material density and granulating (pallet size).

Technical specification:

precision of weighing cells:	0,1 %
motor power voltage:	230V AC/47-53 Hz
control power voltage:	24V DC / 2A
electric-incoming-filter:	yes
air supply:	4 - 6 bar

What can we do for you? Get in touch today!

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