

TABLE-TOP HIGH PRECISION FEEDING

In order to satisfy the customer's need, Three-Tec Ltd is permanently refining its feeding and extrusion systems. Recently, Three-Tec has created a new alternative to the already existing batch feeding systems. The newly developed feeding system ZD x FB Table-Top gravimetric with vertically adjustable scale and digital weighing electronics FTA is prepared for high precision batch feeding applications

Previous gravimetric feeding systems consist of three separate parts which are connected by power and communication cables. For a change of location, the scale, control cabinet and the feeder have to be unplugged and moved separately. Furthermore the connecting cables make the cleaning more difficult. These efforts are unnecessary with the innovative feeding system ZD x FB Table-Top gravimetric thanks to an All-in-One solution.

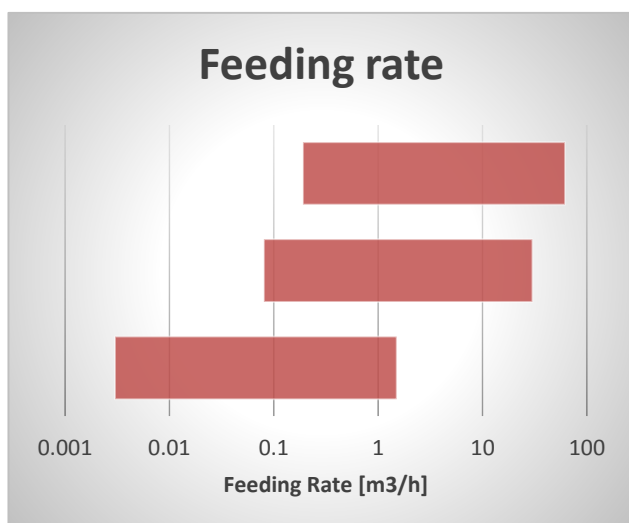
The ground plate of the feeder and the thread guidance as well as the standard ground masses allow to quickly change the feeder to a 5, 9 or 12 mm feeder. In order to not disturb the sensible scale and its controller with vibration, the batch feeding cycle can be triggered by a foot switch.

On demand, Three-Tec offers a GMP- and FDA-conform as well as an EX approved conception of the ZD x FB Table-Top gravimetric feeding system.

Materials:

Parts in contact with product:	Stainless Steel DIN, AISI 316L (1.4404) oder higher, electropolished
Non-contact:	Steel or aluminium, coated
Gaskets / Sealing:	PTFE, silicone und Teflon (FDA-conform)
Colour:	RAL 9010 clear white (on request)

Feeding rates:



Feeder:	Rate [dm ³ /h]:
ZD 5 FB TT gravimetric	0.003 - 1.5
ZD 9 FB TT gravimetric	0.08 - 30
ZD 12 FB TT gravimetric	0.19 - 61.5

Options:

- Various extension hoppers (customer's choice)
- Vertical or horizontal outlet
- Various bottom scrapers (2 or 3 arms) with or without wall scraper
- PTFE gaskets with gas flushing
- Dust-tight +/- 50 mbar (g) or gas purged sealings
- Safety guard
- Flow inhibitor
- Ionization
- Special paint or finish
- PVDF or stainless steel execution
- Extended screws with extended outlet
- Various control systems
- GMP
- FDA

Workshop:

Three-Tec is holding a workshop on 17th September 2015 with a focus on dosing technology and extrusion on a miniature scale and will be presenting a complete production line with feed unit, extruder, conveyor belt and granulation in high containment.

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