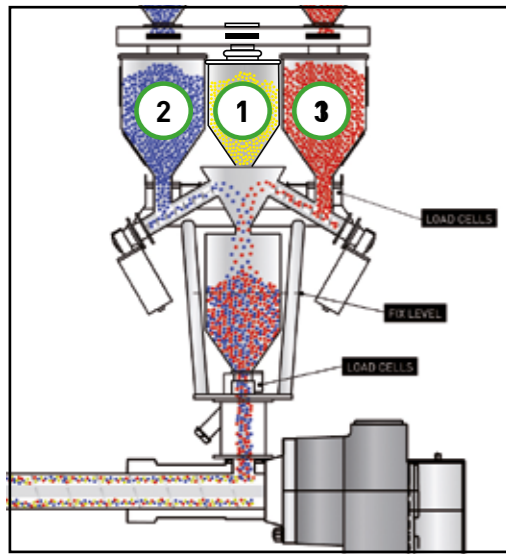


BLENDO

each individual component

每个单独的组分



1 Main + 2 Side

with BLENDO it means 3 dosing units, capable to go from 0% to 100% with any component

with others it means 2 dosing units for side components, with main going straight to the extruder throat at a minimum rate of 50% of total throughput

1 主 + 2 副

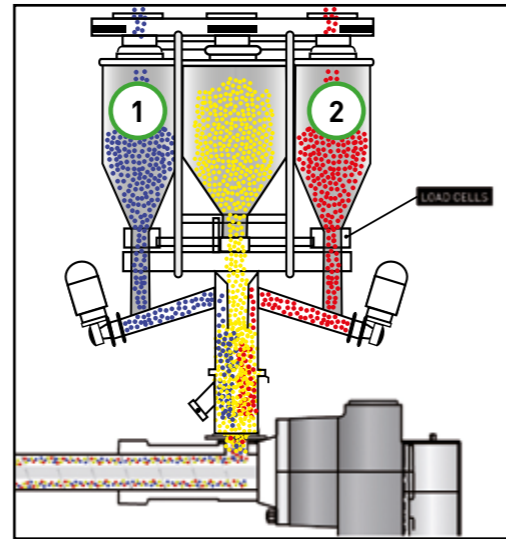
对于 BLENDO, 能做到 3 个加料控制单元, 对每一组分能处理的范围从 0% to 100%

其他系统只对副组分加料控制, 即 2 个加料控制单元。主组分的量最小要占总量的 50% 以上, 且直接流入挤出机。

others

only side components

仅仅副组分



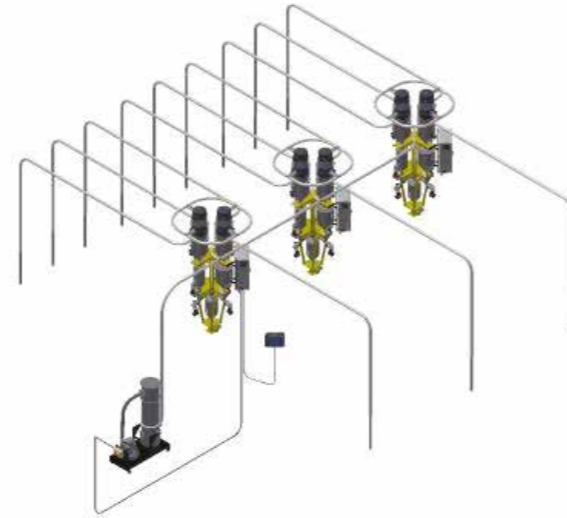
INTEGRATED VACUUM LOADING SYSTEM SMARTCONVEY

Fully automatic vacuum loading system, controlled by the same PLC which controls the blending system and operated by the same HMI. One or more vacuum pumps to serve one or more receivers, whose association can be set through personalized configuration.

All receivers linked to one pump are served in turn, according to a priority sequence which is automatically assigned by the control PLC. Changeover Active Control software available, to minimize the ingredients residual quantity at the end of any job order.

全自动控制的加料系统, 由同一个 PLC 控制, 即控制混合系统, 又可由同一个 HMI 来操作。一个或多个真空泵给一个或多个真空接收器提供动力, 并且之间的连接可通过个性化的方式设置。

连接着一个泵的所有装置按优先顺序动作, 由 PLC 来自动控制分配。实时动态切换软件, 帮助实现在每个工作结束时减少组分的残留。



BLENDO

CONTINUOUS GRAVIMETRIC BLENDER



DOTEKO SPA
Via E. Mattei, 30
41037 San Martino Spino
Modena ITALY
Phone +39.0535.31653
Fax +39.0535.31727
E-mail doteco@doteco.com
www.doteco.com

DOTEKO USA
2450 Abutment Road, Suite 7
Dalton, GA 30721
USA
Phone +1.706.529.8787
Fax +1.706.529.1898
E-mail doteco@doteco.com
www.doteco.com

DOTEKO LATINO AMÉRICA
Rua Izonzo, 643
Ipiranga 04249-000 São Paulo
BRASIL
Phone +55.11.2948.1454
Fax +55.11.2351.5520
E-mail doteco@doteco.com
www.doteco.com

ad99.it



BLENDO

Continuous gravimetric blender, designed to blend pellets in extrusion processes where dosing accuracy and a homogeneous dispersion of additives are strictly required. Unaffected by vibrations, BLENDO has been designed to be easily mounted directly on the extruder throat to replace the conventional feed hopper, or for mezzanine mounting.

连续式称重搅拌机BLENDO，适用于对挤出工艺的胶粒混合过程中要求加料准确及添加剂分散均匀的严格场合。其不受振动影响，设计成可直接安装于挤出机下料口，来代替传统的加料容器，并可结构式安装。

MAIN FEATURES

- BLENDO is available in 16 models: 2, 3, 4, 6 or 8 ingredients, with throughputs of 150, 300, 600, 1000 up to 2000 kg/h.
- Standard supplied integrated refill valves, slide gate type.
- Inclined screw feeders to improve metering accuracy and to prevent undesired dribble. They are driven, with a wide range of speeds, by DC motors with long-life brushes and closed-loop speed regulation.
- Auger screws suitable for granules or free-flowing powders.
- A cascade mixer provides excellent additive dispersion, including ingredients with different bulk densities or granule size.
- Integral weigh downcomer hopper for extruder demand or gravimetric throughput control. Load cell to sense variations in weight (no ultrasonic or capacitive sensor).
- Easy to use, simply set the dosing percentage.

CONTINUOUS BLENDER OPERATION

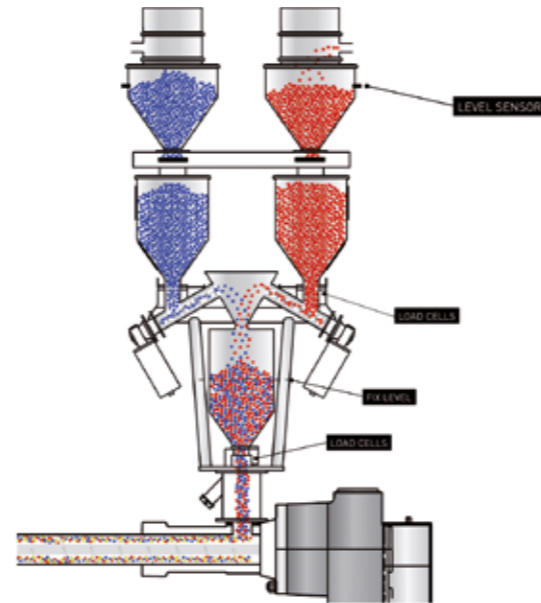
- Precise continuous loss in weight control.
- Weight loss of each ingredient is measured.
- All ingredients are simultaneously metered through the auger directly into the integral weigh downcomer hopper, through the cascade mixer.
- The weight of blended material in the downcomer hopper is continuously monitored to sense level variations caused by changes in extruder throughput or non-alignment between the feeders and extruder throughputs.
- The feeders are individually controlled to achieve and maintain the preset blend ratios and to keep at the preset value the downcomer hopper level. This means that the blending throughput is always aligned with that of the processing machine.

精确连续地对失重进行控制：

- 测量每个成分配料的失重情况。
- 所有的成分配料同时在螺旋螺杆的驱动下通过串式混合器按重量进入一体化的重量下料器中。
- 在下料容器中混合料的重量，会因挤出机的产出或进料器与挤出间的非线性配合而发生变化，这重量的变化会全部连续感应出来。
- 所有进料器可单独控制，以便维持预设的混合比例，并在下料容器也保持预设比。这样，混料过程的量能与加工过程的量保持一致。

主要特点

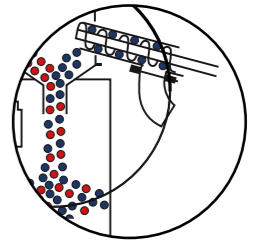
- BLENDO混拌机系列有16种型号，可对应2, 3, 4, 6, 8种成分及150, 300, 600, 1000至2000公斤/小时的产量。
- 标准的内置再加填料阀门，滑门类型。
- 配置了倾斜式螺杆送料器，提高了测量的准确性并避免讨厌的流滴。该送料器通过具有长寿命的毛刷与闭环速度控制的DC直流马达来驱动，因而有较宽的速度范围。
- 螺旋螺杆适用于颗粒状或粉末型原料。
- 串式混合器便于添加剂在各成分间很好地分散，包括不同密度或不同粒径大小的成分原料。
- 一体式重量下料容器可按挤出机要求或产量的重量控制。荷载单元感应重量级别的变化。（不用超声波或电容式传感器。）
- 给料量百分比设定简单，易于操作。



CASCADE MIXER ACTION

The ingredients are simultaneously metered in the right proportion directly into the cascade mixer where the different streams are mixed to form a homogenous blend with a perfect dispersion of additives.

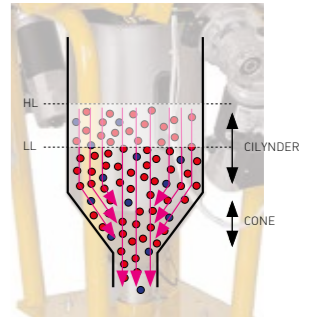
所有的成分配料按正确的比例同时按量进入串式混合器中，混合器里面不同的的入料流混合形成均一的混合物，添加剂也完美地得到分散。



INTEGRAL WEIGHT DOWNCOMER HOPPER

This hopper collects the blend from the cascade mixer to feed the extruder ensuring an adequate head of blended material on the plasticizing screw. The cylindrical shape and the reduced material resident time prevent the formation of preferential flows and the ingredients from de-mixing.

在这里收集从串式混料器中的混合物料，保证了在进入塑化螺杆的物料充分足够。柱形及缩短的物流停留时间的设计，避免了物料偏流及分离散开。



FAST INGREDIENT CHANGE, QUICK AND THOROUGH CLEANING

- Practical and easy access to all components.
- Feed hoppers with sight glass for visual level control and quick-release ring clamp for easy cover removal.
- Manual slide gate for auger screw inspection without hopper emptying.
- Drain spout for easy and quick hopper emptying.
- Easily accessible auger screws for quick and thorough cleaning, no tools required.

- 所有配件便于操作及更换。
- 进料容器带有目视镜，便于观察。还带有快速释放环形夹，便于盖子打开移除。
- 手动滑门，方便了螺旋螺杆的检察，而无需清除容器的物料。
- 排料口方便了快捷清空。
- 螺旋螺杆的易维护设计，方便了快速彻底地清洁，不需要其他工具。

