

SMARTCONVEY & CONVMATE

VACUUM UNIT FOR
CENTRALIZED SYSTEMS

VACUUM UNIT FOR CENTRALIZED SYSTEMS

Various capacities available with:

- 3-phase side-channel vacuum pump.
- Root blower.
- Vacuum gauge.
- High vacuum relief valve.
- Electrical box with motor thermal cut-out protection.
- Atmospheric relief valve.
- Safety filter, cartridge type, manual cleaning.

SAFETY FILTER AND MANUAL CLEANING

- Available in different filter area sizes.
- Protects the pump from damage caused by the intake of fine particles or dust.
- Cartridge filter.
- Easy access for cartridge cleaning and for removing fine particles or dust from the collection chamber.

SELF-CLEANING SAFETY FILTER

- Available in different filter area sizes.
- Protects the pump from damage caused by the intake of fine particles or dust.
- 4 Anti-static polyester cartridge filter.
- Timed compressed air pulses shake the filter to prevent dust build-up.
- Easy accessible dust collection chamber for inspection and emptying.

智能传送装置

集中控制真空送料系统

真空泵

我们提供多种规格的真空泵供您选择

- 三项侧通道真空泵
- 底部真空吹起
- 真空度测量仪
- 高真空度安全阀
- 带电机热保护断路器的电控盒
- 气压安全阀
- 带人工清洁功能的安全滤芯

手动清洁安全滤芯

- 可提供不同尺寸的滤芯
- 保护真空泵受粉尘及小颗粒的损害
- 筒形设计
- 可便捷的清理滤芯并清除粉尘及小颗粒

自动清洁安全滤芯

- 可提供不同尺寸的滤芯
- 保护真空泵受粉尘及小颗粒的损害
- 4层防静电设计
- 压缩空气反冲洗设计
- 可自动检查并清空灰尘



EXTRUMATE

YIELD CONTROL



DOTECO
ART OF CONTROL

DOTECO 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

DOTECO 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

DOTECO LATINO AMÉRICA
Rua Iazonzo, 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

DOTECO
ART OF CONTROL

EXTRUMATE

Suitable for mono and multi-layer extrusion lines, for blown film, cast film, sheets, and for the production of tubes, profiles and cables.
 Controls the weight per meter of end product reaching and maintaining tighter tolerances, regardless of changes in extruder throughput commonly caused by:

- progressive clogging of the filter
- variations in melt temperature
- variations in polymer viscosity or bulk density
- plasticizing screw wear.

Reduces start-up and production change.
 Optimizes consumption of raw materials and cuts down on waste.
 Prevents out-of-tolerance production.
 Ensures constant quality and repeatability.

EXTRUMATE适合各种单层或者多层挤出线（吹塑薄膜，流延膜，片材，管材以及线缆等）

即使挤出机生产中出现如下问题，我们都可以很好的控制最终产品的克重并保持极小的偏差

- 过滤器持续性堵塞
- 挤出过程中的温度变化
- 聚合物粘性变化及散装密度变化
- 塑化螺丝磨损

减少设备开机和产品变化
 优化原材料消耗，避免不必要浪费
 有效避免不合格产品产生
 有效持久的保证产品质量的稳定性

MAIN FEATURES

- EXTRUMATE is available in various models to meet mono and co-extrusion process requirements.
- Throughputs of 150, 300, 600, 1000 up to 2000 kg/h. Easy installation of the weigh hopper directly on the extruder throat replacing the conventional feed hopper.
- Weigh hopper assembly prearranged for pre-storage hopper and/or vacuum loader installation without additional supports.
- Setpoint entry for single layer extrusion line.
 - Extruder rate by weight or
 - Weight of product per running length or
 - Average thickness (film width and polymer density input required)
- Setpoint entry for single layer extrusion line.
 - Total extrusion throughput rate by weight and percentage layer ratio or
 - Weight of product per running length and percentage layer radio or
 - Average total thickness and percentage layer ratio (film width and polymer density input required)

FAST INGREDIENT CHANGE, QUICK AND THOROUGH CLEANING

- Quick and easy access to all components.
- Feed hoppers with sight glass for visual level control and quick-release ring clamp for easy cover removal.
- Drain spout for easy and quick hopper emptying.

主要特征

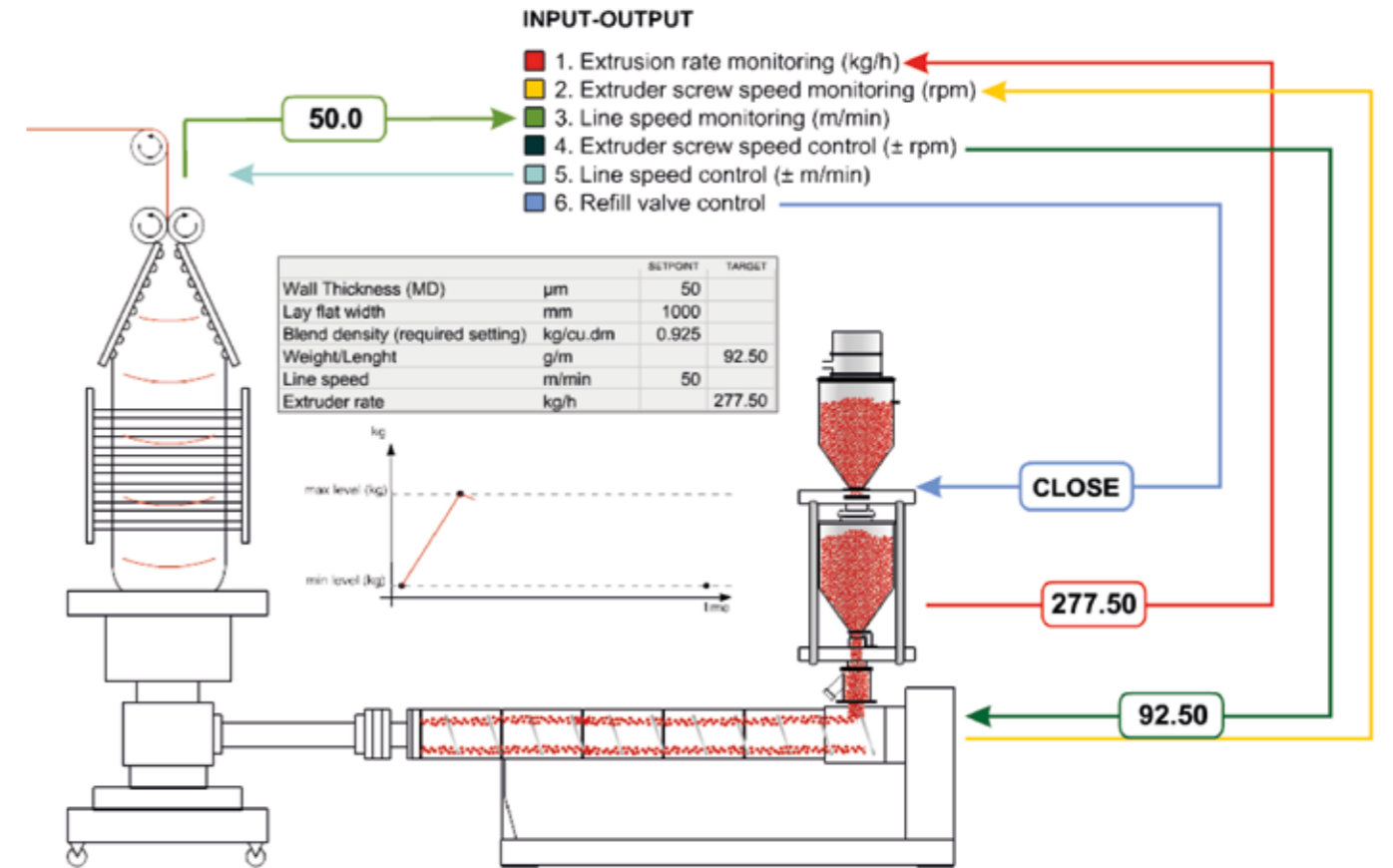
- 无论是单层还是多层挤出，EXTRUMATE 均拥有多种型号供您选择
- 根据产量可分为150, 300, 600, 1000, 2000 kg/小时,您可用我们的称重料斗取代老师的喂料料斗并将其直接安装在挤出机下料口即可
- 称重料斗无需其他辅助即可与储料斗或真空下料设备进行组装
- 单层挤出线需要了解的信息:
 - 每小时挤出量
 - 产品单位重量
 - 平均厚度 (需了解膜宽以及树脂密度)
- 多层挤出线需要了解的信息:
 - 总挤出量以及每层的比率
 - 单位长度以及每层的比率
 - 平均总厚度的单位重量

快速更换原料，简单彻底的清洁设备

- 所有部件均可简单快速地进行更换或者操作
- 喂料斗带有侧视镜，可随时观测物料数量，快速接插式环形夹可快速移除顶盖
- 特殊设计的排料管可迅速清空物料

SYSTEM OPERATION

Thanks to the weigh hopper, which continuously weighs the materials used, the extruder becomes a gravimetric metering device. The system can measure and control extrusion throughput or use this value to control line speed, or alternatively, perform both functions simultaneously. With multi-layer lines, each individual extruder throughput is measured and controlled to maintain a constant layer-to-layer percentage ratio in the end product.



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.

系统操作

失重式称量料斗可持续地测量原料消耗，这也使挤出机变成了称量设备。系统可以单独或同时测量并控制挤出速度及线速度，并可测量并控制多层挤出线中每层的挤出量，从而精确控制成品的厚度

集成的真空上料智能传输系统 VSMARTCONVEY

由PLC控制的全自动真空上料系统，可提供个性化设置，每个真空泵均可对一个或多个终端提供服务

PLC会按照优先序列依次为连接到同一真空泵的每个终端提供服务，独有的转换控制软件可以最低限度的降低生产后期的原料残留

