



**Throughput and Extrusion Control
Smarthopper® II**



Colortronic Smarthopper is designed to monitor the material consumption of extrusion lines and control the extruder throughput.

Your Advantage

Smarthopper is able to process both granules and powders. The system is resistant against vibration and it can be mounted directly onto the extruder.

Colortronic's Smarthopper reduces the material consumption to the minimum in conjunction with a increase of quality.

- Stainless steel material contact surfaces
- Throughput from 1 to 600 kg/h
- Up to 8 extruders can be controlled simultaneously in co-extrusion processes

Functions

Colortronic's Smarthopper controls a maximum of 8 layers of extrusion or co-extrusion lines. The extruder throughput is gravimetrically monitored or controlled. A haul-off measuring or control device can be integrated as well.

The Smarthopper achieves an accuracy of $\pm 0.5\%$ related to the material flow through the weigh hopper.

Parts coming in contact with material are made of stainless steel. The material flow is constantly measured by load cells in real time.



- 1 Smarthopper side view
- 2 Controller
- 3 Smarthopper

Suitable Production Applications



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Control

Smarthopper offers user-friendly control systems for a wide array of applications. A control system to serve multiple lines is available. The menu-driven control is geared for easy operation. Messages appear in plain text and multiple language options are available.

Smarthopper control systems are designed for host system communication and are easily integrated into various main frame and network platforms

- MODBUS (RS422)
- Siemens 3964R (RS422 or RS232)
- PROFIBUS DP
- ETHERNET TCP/IP
- CAN open



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