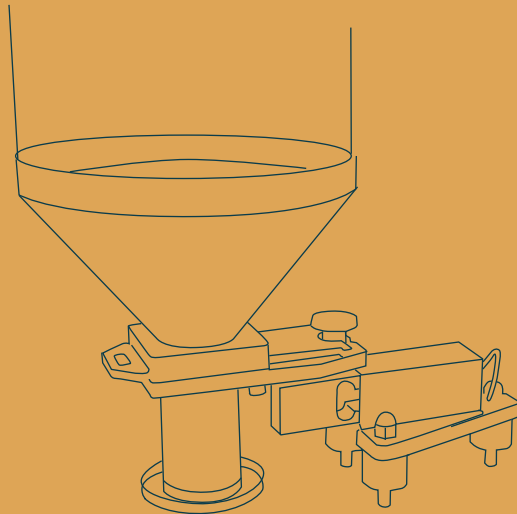


NOSTE GRAVIMETERS

Boost your performance.



They have strong overall knowledge and understanding of plastic production processes as well as experience in smart design.

Jari Mylläri, the director of Uponor Infra Ltd. Technology

Ensure constant quality, increase sustainability and keep your production process in complete control with Extron NOSTE gravimeters. The accurate granule feeding allows you to increase raw material savings, control material flow, use challenging recipes and make better use of recycled materials. NOSTE is always designed to optimally match your needs.

SAVE MONEY AND ENVIRONMENT

By controlling the raw material flow, you ensure high quality and minimize material loss. Our units also enable more flexible use of recycled materials.

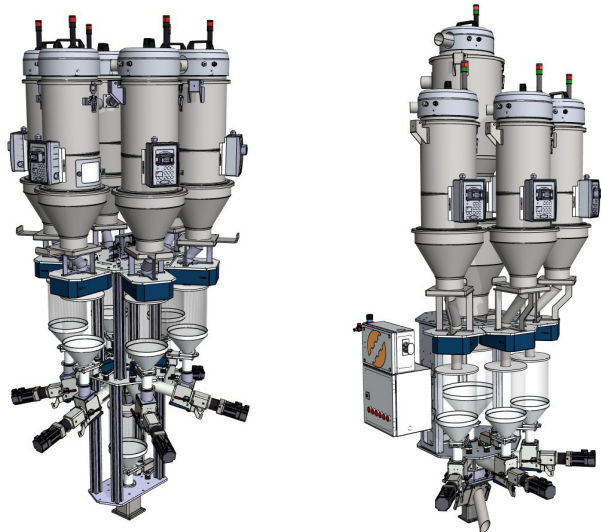
REAL-TIME TRACKING GIVES REAL-TIME VALUE

Gravimetric control system (GCS) monitors the raw material consumption in real-time. It detects deviations between the calculated value and the actual weight and corrects the speed automatically.

DESIGNED TO MATCH YOUR NEEDS

All our customized units are always designed, manufactured and delivered to serve the everyday needs of your work environment, according to your unique high-quality requirements.

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NOSTE gravimeters operate on a loss-in-weight principle. Gravimeter measures the material's weight to achieve and maintain a predetermined output measured in units of weight per time. The system includes line speed measurement, and you can also measure the product by width. These variables allow you to specify the weight value by length or area. It improves operator's awareness of the process and enables significant material savings.

BASIC OPERATING PRINCIPLE:

- Weighing-hopper is filled via gravimeter-valve. When the hopper reaches full limit, valve will close.
- The decreasing weight in the hopper is measured over a specified measuring cycle.
- The system measures the extruders screw speed.
- The material consumption as weight per one screw rotation is calculated.
- The gravimeter controls the output of the extruder with high accuracy according to the values set by the operator.

	NOSTE S	NOSTE X	NOSTE R
TYPE	SINGLE MAIN	FREE MIX	RECYCLED
Main materials	1	0 - 6	0 - 4
Additive materials	0 - 6	0 - 6	0 - 4
Output main (kg/h)	free flow	0,2 - 200	0,2 - 1000
Output additive (kg/h)	0,2 - 200	0,2 - 200	0,2 - 1000
Material savings up to (%)	5	7	7
FSC Fast Screw Change	x	x	x
See-through hopper	x	x	x
Automatic calibration	x	x	x
Easy cleaning	x	x	x
Profinet interface option	x	x	x
I/O interface option	x	x	x
Integrated conveying option	x	x	x
Siemens PLC control	x	x	x
VASTE compatibility	x	x	x

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