

Loss-in-Weight Hopper for Extrusion

Automate material usage control for all extrusion processes.

Loss-in-Weight Control

- Comprehensive loss-in-weight control, monitoring live consumption rate to an extruder and updating process rate every second
- The LIW hopper is suspended on a pair of highly accurate load cells
- Sized according to throughput
- Throughput of line is fully automatic and requires no user intervention

Range of Material

- Suited to every application of free-flowing material, pellets, granules or powder

Simple Operation

- Magnetic retainers on the hopper enclosure allow quick access to the LIW hopper
- Alarms are activated if system is not operating within required process conditions
- Switch from manual start-up to automatic and set required output - no further operator involvement
- Optional compact drain can be mounted directly below the LIW hopper for easy draining of material

Solutions for Extrusion Processes

- Suited to all continuous extrusion processes for mono and co-extrusion processes
- Applications include cable, cast film, blown film, sheet, pipe, tube & profile extrusion

Maguire+Syncro Syntrol Control

- Maguire+Syncro specialist extrusion control for every type of extrusion process
- Syntrol touchscreen allows quick and easy setup of extrusion process, managed from 1 HMI
- Easily set process parameters like gram/meter, micron and layer ratios

Expandable & Modular

- The LIW control is expandable and can be simply integrated with further downstream controls for automatic gauging and process control
- LIW Hopper extrusion control module can easily be retrofitted with other modular components from Maguire+Syncro including air rings, IBC control, Gauging, and in-line recycling



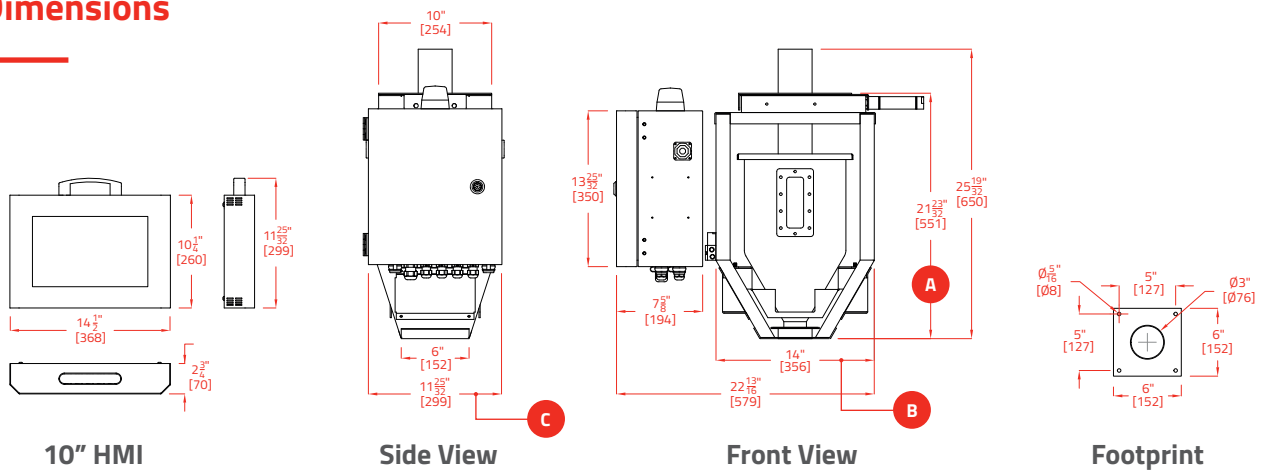
Adding Masterbatch & Additives

- Options for incorporating MGF Gravimetric Feeder into Maguire+Syncro control for accurate dosing of masterbatch and additive

Key Benefits of Extrusion Control

- Overall raw material savings of up to 10% compared to manual regulation
- Reduced start-up material wastage & changeover scrap
- Achieve faster startup times
- Automatically regulate extruder and haul-off speeds to always be on target
- Document clearly material usage and process parameters for quality, process and cost control
- Return on investment within 6 months
- Fast payback by reduced material usage, production scrap, manual intervention and increased productivity
- Optimize process from constant extrusion control

Dimensions



Specifications

	Height (A)		Width (B)		Depth (C)		Footprint	
	in	mm	in	mm	in	mm	in	mm
LIW-05W	25 19/32	650	14	356	11 25/32	299	6x6	152x152
LIW-10W	27 1/4	692	16 3/16	411	14	356	10x10	254x254
LIW-10W	34 23/32	882	21	533	16	406	10x10	254x254
LIW-40W	44 23/32	1136	21	533	16	406	10x10	254x254

	LIW-05W	LIW-10W	LIW-25W	LIW-40W
Max Throughput	300 lb/hr, 136 kg/hr	600 lb/hr, 272 kg/hr	1,500 lb/hr, 680 kg/hr	3,000 lb/hr, 1,360 kg/hr
Hopper Volume	0.4 cu.ft, 11.3 L	0.9 cu.ft, 25.3 L	2.8 cu.ft, 79 L	3.9 cu.ft, 110 L
Max Temperature	356 °F, 180 °C	356 °F, 180 °C	356 °F, 180 °C	356 °F, 180 °C
Power	220 v	220 v	220 v	220 v
Compressed Air Supply	6-8 Bar	6-8 Bar	6-8 Bar	6-8 Bar
Shipping Weight	90 lb, 41 kg	103 lb, 47 kg	125 lb, 57 kg	154 lb, 70 kg
Shipping Size	H 99x85x85 cm H 38x33x33"	H 99x85x85 cm H 38x33x33"	H 122x85x85 cm H 48x33x33"	H 147x87x82 cm H 58x34x32"

Maguire+Syncro Control Options

	OPXS-LIW-M	M+S Extrusion Control for LIW Loss in Weight hopper & MGF - MAIN BOX with PLC I/O, without HMI touchscreen. Control interface to #1 Extruder + #1 Haul Off. OPXS-HMI-**-OEM required for user interface.
	OPXS-LIW-S	M+S Extrusion Control for LIW Loss in Weight hopper & MGF - SECONDARY BOX with PLC I/O, no HMI touchscreen. Control interface to #1 Extruder.
	OPXS-LIW-M-07	M+S Extrusion Control for LIW Loss in Weight hopper & MGF - MAIN BOX with PLC I/O, with 7" HMI touchscreen. Control interface to #1 Extruder + #1 Haul Off.
	OPXS-LIW-M-10	M+S Extrusion Control for LIW Loss in Weight hopper & MGF - MAIN BOX with PLC I/O, with 10" HMI touchscreen. Control interface to #1 Extruder + #1 Haul Off.

Maguire reserves the right to cancel product or change product, product specifications and data without notice to improve reliability, function, design or otherwise.