

ACCUMETER™ SERIES

Loss-In-Weight Blender



Technical Specifications

AccuMeter™ is one of the most versatile gravimetric blending systems with its ability to feed from 50 grams/hr to 16,500 lbs/hr and is able to accommodate up to 8 precision feeders per extruder and up to 16 feeders per controller. All components are continuously dosed, and the material flow is constantly monitored and controlled. The system has a cumulative dosing accuracy of $\pm 0.5\%$ and is driven by variable speed motors. This system will improve overall product quality and reduce material usage caused by over-feeding, resulting in reduced product costs.

The AccuMeter™ series features a modular, compact design that provides complete flexibility for changes in your process. Pellets, micro-pellets, powders and regrind are all accurately metered. Self-calibration eliminates the need to take manual weight samples or calibrations. Material changeovers are quick and easy - saving time, labor and money.

Features

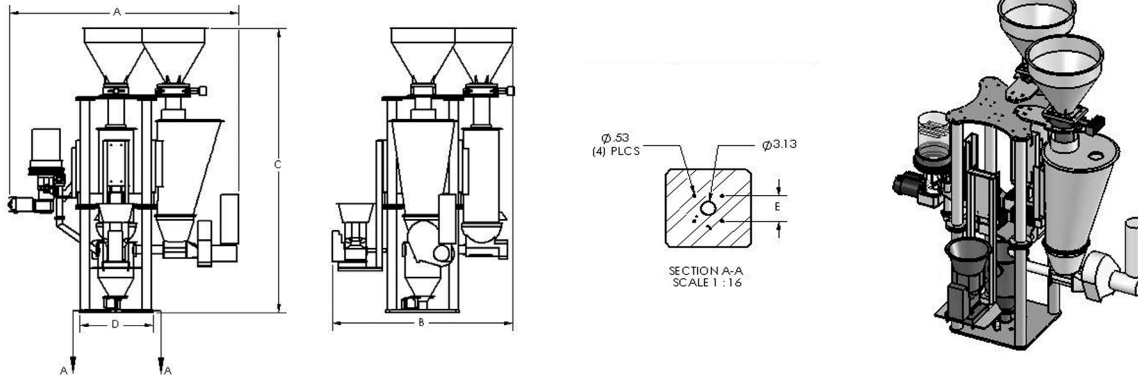
Standard Features

- Automatically adjusts individual feeders to match the extruder rate at the exact ratio required
- Upper material refill hoppers with refill valves
- Individual component weigh hoppers
- Mass flow weigh hopper assembly
- User-friendly color touch screen programmable controller
- PWM-DC or inverter duty AC motor (depending on model) provide precision metering with wider recipe ranges
- Precision 0.02% analog or 0.0001% digital load cells (depending on model) provide accurate weight information
- Feeder trending
- Full diagnostics
- Complete inventory and material usage information
- Alarm outputs
- 115/1/60, 230/1/60 or 460/3/60 supply voltage (varies by model), other voltages available

Optional Features

- Twin-screw feeders and special agitators are available for non free-flowing material
- Mezzanine mounting stand with 4" tube stub
- Low-level, proximity sensor for each supply hopper
- Supply hopper lids cut for non-AEC vacuum receivers
- Agitated regrind supply and weigh hoppers for regrind material (per component)

Product Diagrams



| Model | A in. (mm.) | B in. (mm.) | C in. (mm.) | D in. (mm.) | E in. (mm.) |
|-------------|----------------|----------------|----------------|----------------|----------------|
| 4-component | 56 (142) | 46 (117) | 72 (183) | 18.5 (47) | 6 sq. (15 sq.) |
| 6-component | 58 (147) | 54 (137) | 82 (208) | 28 (71) | 6 sq. (15 sq.) |
| 8-component | 70 (178) | 66 (168) | 88 (234) | 28 (71) | 6 sq. (15 sq.) |

Specifications

| General Blending | Max Output lbs. (kgs.) | Number of Components |
|------------------|---------------------------|----------------------|
| AMP 500 | 500 (225) | 2 to 8 |
| AMP 1000 | 1,000 (450) | 2 to 8 |
| AMP 1500 | 2,500 (1,140) | 2 to 8 |
| AMP 5000 | 5,000 (2,280) | 2 to 8 |
| AMP 10000 | 10,000 (4,545) | 2 to 8 |
| AMP 15000 | 20,000 (6,800) | 2 to 8 |

| Fiber Applications | Max Output lbs. (kgs.) | Number of Components |
|--------------------|---------------------------|----------------------|
| AMF 500 | 500 (225) | 2 to 8 |
| AMF 1000 | 1,000 (450) | 2 to 8 |
| AMF 1500 | 2,500 (1,140) | 2 to 8 |
| AMF 5000 | 5,000 (2,280) | 2 to 8 |
| AMF 10000 | 10,000 (4,545) | 2 to 8 |
| AMF 15000 | 20,000 (6,800) | 2 to 8 |

| Compounding | Max Output lbs. (kgs.) | Number of Components |
|-------------|---------------------------|----------------------|
| AMC 500 | 500 (225) | 2 to 8 |
| AMC 1000 | 1,000 (450) | 2 to 8 |
| AMC 1500 | 2,500 (1,140) | 2 to 8 |
| AMC 5000 | 5,000 (2,280) | 2 to 8 |
| AMC 10000 | 10,000 (4,545) | 2 to 8 |
| AMC 15000 | 20,000 (6,800) | 2 to 8 |