LIAD Smart™

BlendSave™

Centralized Multi-Channel Gravimetric Batch Blender
Optimally managing combinations of ingredients across
multiple processing machines in plastics plants

AMPACET
Plastics Reimagined™

BlendSave
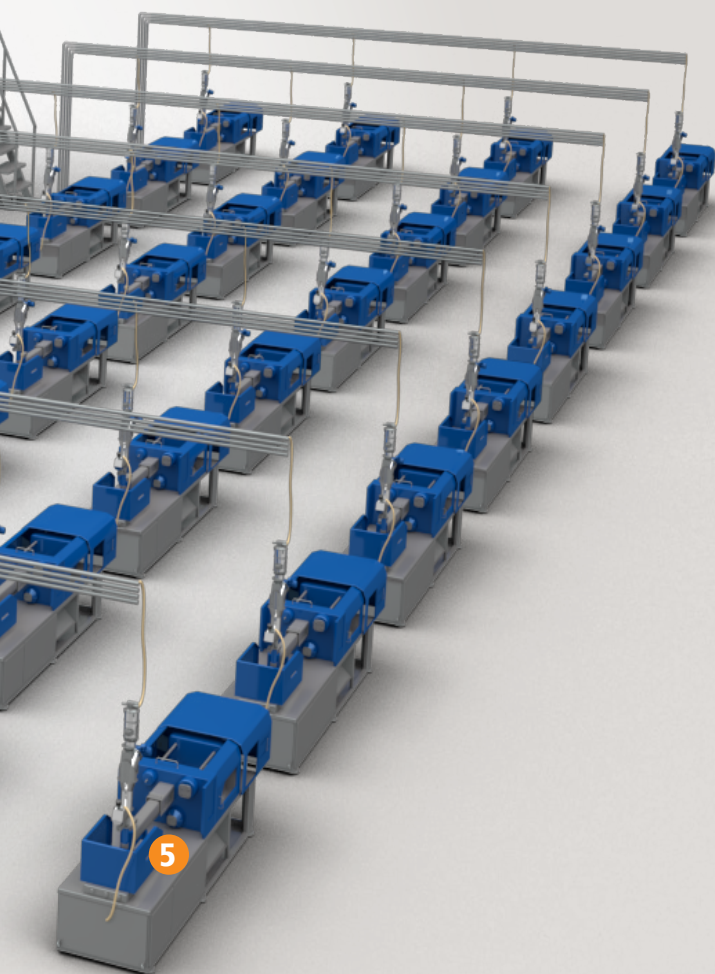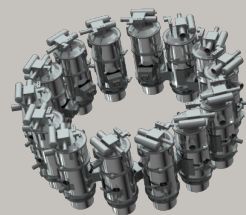## Making Plastic Manufacturing Smarter

BlendSave Workflow

BlendSave is a centralized blender with up to fourteen individual weighing chambers and can serve up to 50 processing machines with a potential throughput of up to 6 tons per hour. These chambers are fed directly from silos, simultaneously and accurately weighing raw materials and combining them as a batch according to a predetermined recipe destined for pre-determined processing machines. A rotating arm then distributes each batch in the dispensing manifold to its buffer deriving from up to fifty buffer bins, with each buffer linked to one processing machine. Once receiving a signal from a mixer at the inlet of the processing machine, content of the linked buffer is transferred via a delivery pipe to the mixer. The volume within a buffer bin and that of the linked mixer is adjusted so that the second can accommodate the first. Thus, an exceptional batch uniformity is achieved.
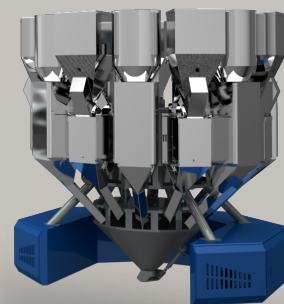
BlendSave Unique Features:

- Unlimited capabilities by integrating multiple BlendSave systems

- Labor, space & capital equipment reduction

- Ultimate control of job status through its interactive dashboard, or by linking to the plant's ERP

- No need for sterilization between jobs

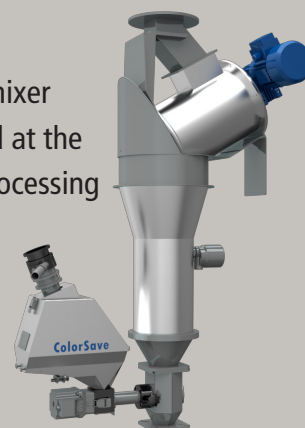**1** BlendSave's hopper loaders feed up to 14 dedicated weighing chambers

2 BlendSave is a centralized multi-channel gravimetric batch blender with a potential throughput of up to 6 tons per hour
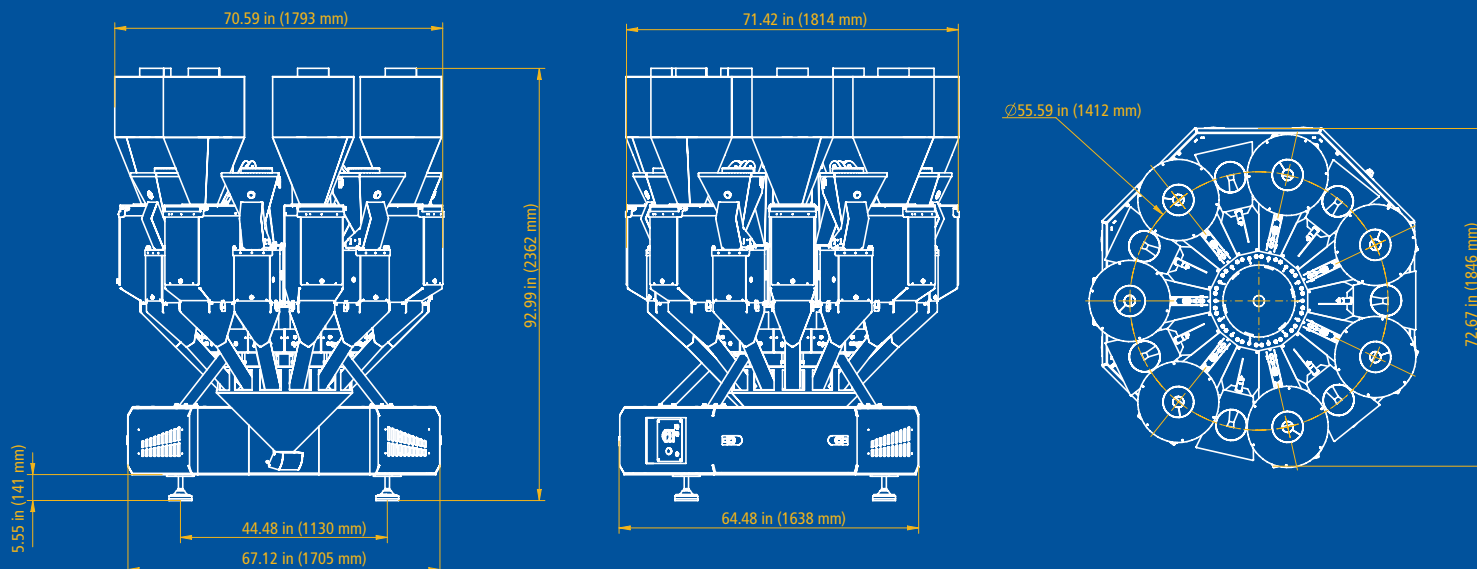

3 A dispensing manifold with a rotating arm and up to 50 buffer bins

4 Special mixer that is located at the inlet of the processing machine.

5 **ColorSave 1000** – additive / masterbatch gravimetric feeder

- Eradicates the risk of cross-contamination
- Batch uniformity
- Unparalleled accuracy with every batch
- High-resolution weighing channel within 0.01g
- Support the use of recycled plastics
- Industry 4.0 ready

70.59 in (1793 mm)
92.99 in (2362 mm)
5.55 in (141 mm)
44.48 in (1130 mm)
67.12 in (1705 mm)

71.42 in (1814 mm)
64.48 in (1638 mm)

⌀55.59 in (1412 mm)
72.67 in (1846 mm)

About CISystems

CISystems Color Integration is a new business unit created by Ampacet to help customers improve production efficiencies, reduce waste and achieve sustainability goals. CISystems offers patented technology developed by recently-acquired LIAD Weighing and Control Systems Ltd. LIAD has been a pioneer in plastic manufacturing technologies for over 40 years and is today the leading developer of innovative feeders, blenders and quality control equipment.

CISystems
Color Integration by AMPACET

LIAD Smart™

The LIAD Smart label assures that CISystems' patented innovations are driven by LIAD intelligence for the highest accuracy in measurement software and design technologies.

For more information and to schedule a free demo, email LIADSmart@ampacet.com

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