

# BlendSave®

## High-Throughput Multi-Channel Blender



 **LIAD**  
Weighing and Control Systems Ltd.

**Innovation**  
*In Every Dose*

**BlendSave** is a high-throughput multi-channel blender, enabling factories to efficiently create new masterbatch shades and plastic batch compounds.



#### Unmatched Speed

BlendSave processes up to several tons of new masterbatch shades and granular batch compounds per hour.



#### Unparalleled Accuracy

BlendSave reaches a weighing resolution of 0.01 grams, essentially a single granule.



#### Just in Time Management

BlendSave allows factories to produce new masterbatch shades on an as-needed basis, and in any quantity.



#### Batch Library

BlendSave enables the easy creation of proprietary color libraries, and unique masterbatch shades.



#### Labor Reduction

BlendSave brings fully automated production to the factory floor.



#### Unlimited Production Capabilities

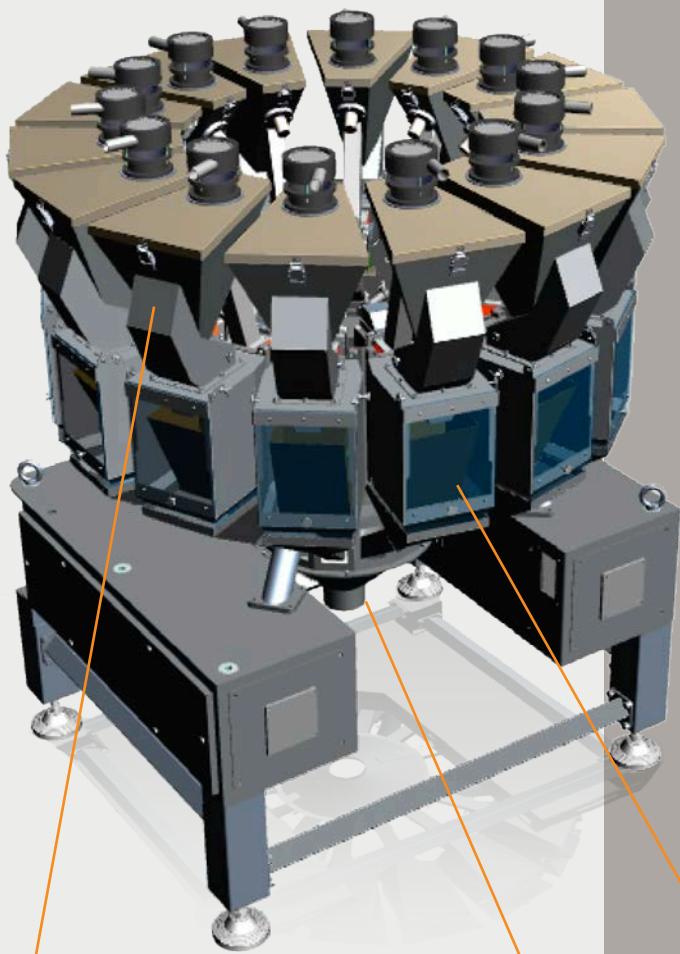
BlendSave handles any sized production run by mixing a combination of base compounds and virgins.



#### Inventory Reduction

BlendSave reduces inventory and logistics costs by slashing required in-house stock of masterbatch shades.





**1** Up to 14 individual weighing channels gravimetrically release a controlled amount of material from the material hopper into the weighing station.

**BlendSave** performs simultaneous weighing in each channel, processing up to several thousand kg per hour.

**BlendSave** is available with up to 14 channels.

**BlendSave** utilizes a multi-step weighing process, combining small load cells with the highest possible feeding resolution.

- 2** In the second weighing phase, a proprietary feeding system with a very high resolution ensures the required weight is obtained.
- 3** The granules from each channel are dropped into a common funnel and conveyed to the extruder.

**Enhance your factory's raw material flow control.**

# Combination of BlendSave Systems

## Unlimited Capabilities

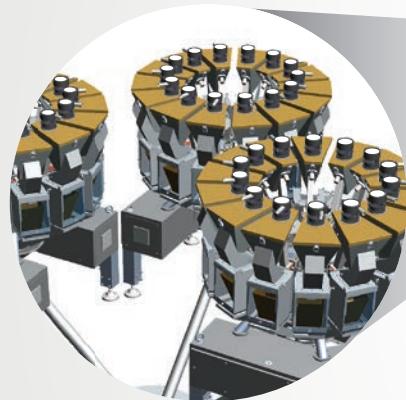
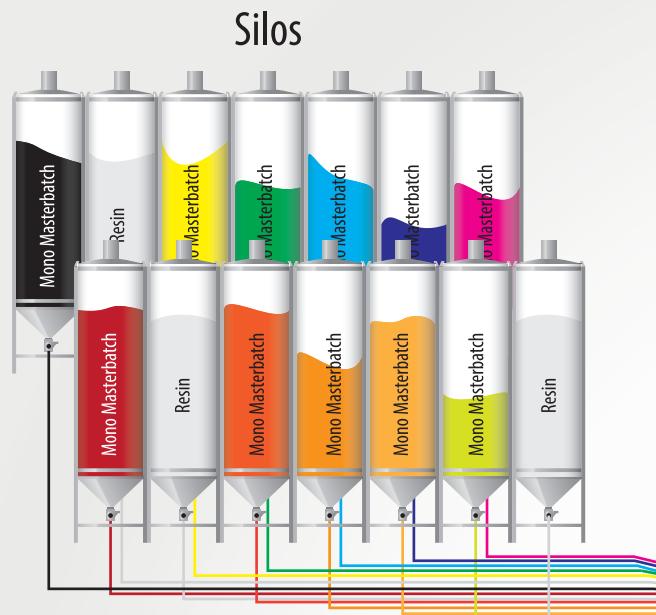
**BlendSave** enables multiple systems to intercommunicate, thereby creating a platform that is theoretically unlimited in how many raw materials and color recipes can be processed, and how many processing machines can be supplied.

Manufacturers with tens of different raw materials can integrate multiple BlendSave units into a single system linked via a PC-linked controller. The multiple systems release the weighed material into a common funnel utilized by all systems. The complete batch is then sent to its processing machine via a single automatic manifold.

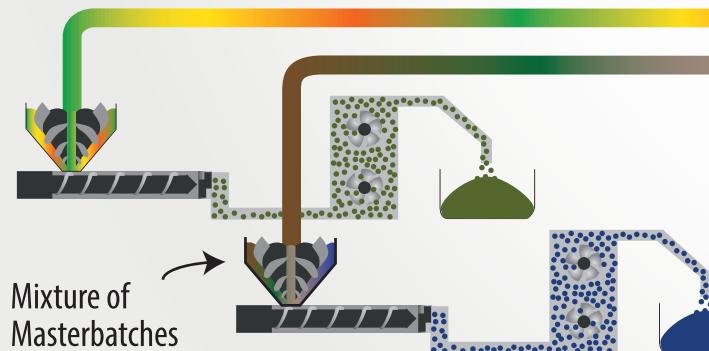
## Unlimited Production Capabilities

**BlendSave** creates unlimited unique masterbatch shades and recipes via a combination of mono-masterbatches.

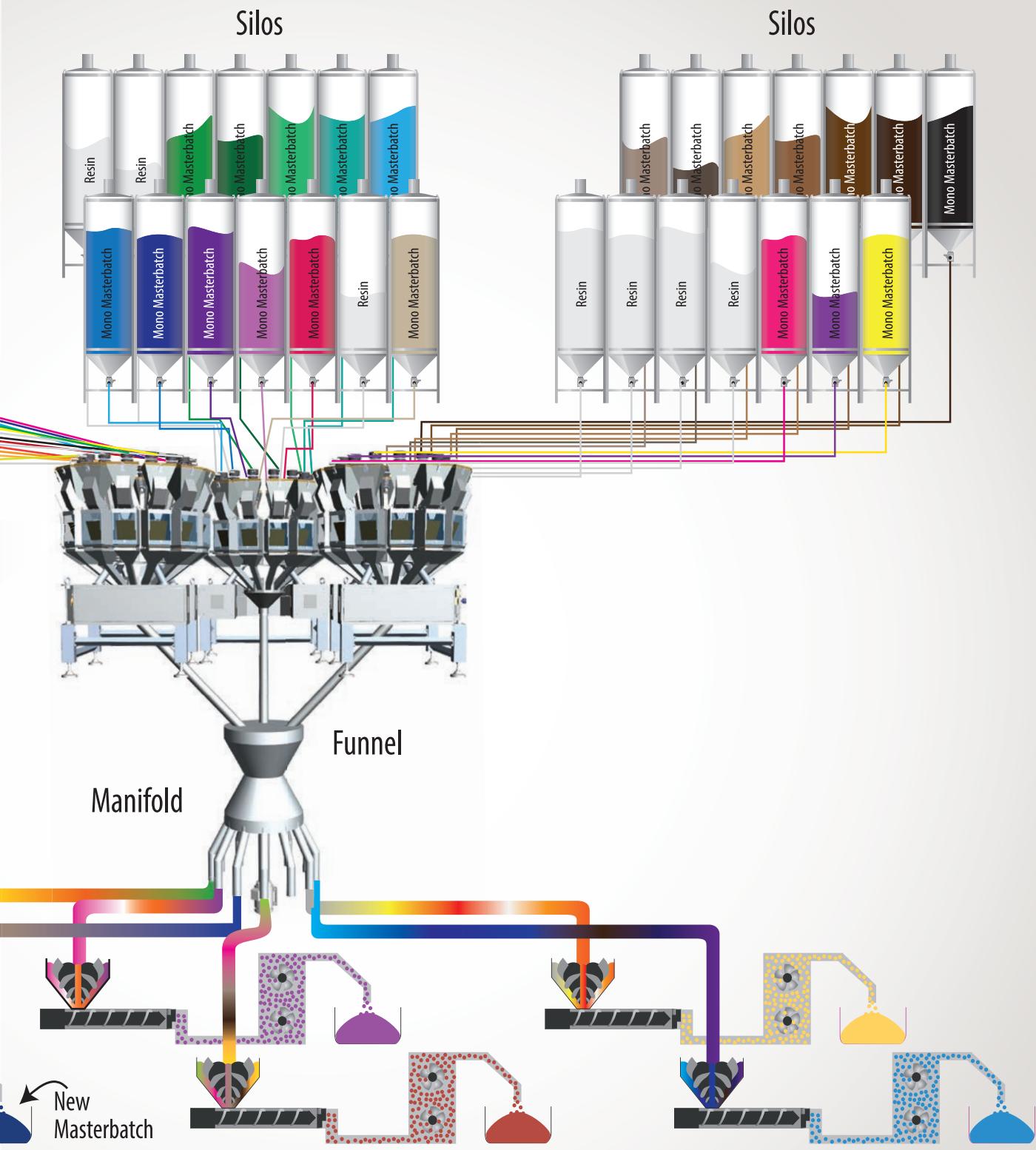
## Accurate, Simultaneous Weighing



## Extruders



# for Unlimited Production Capabilities



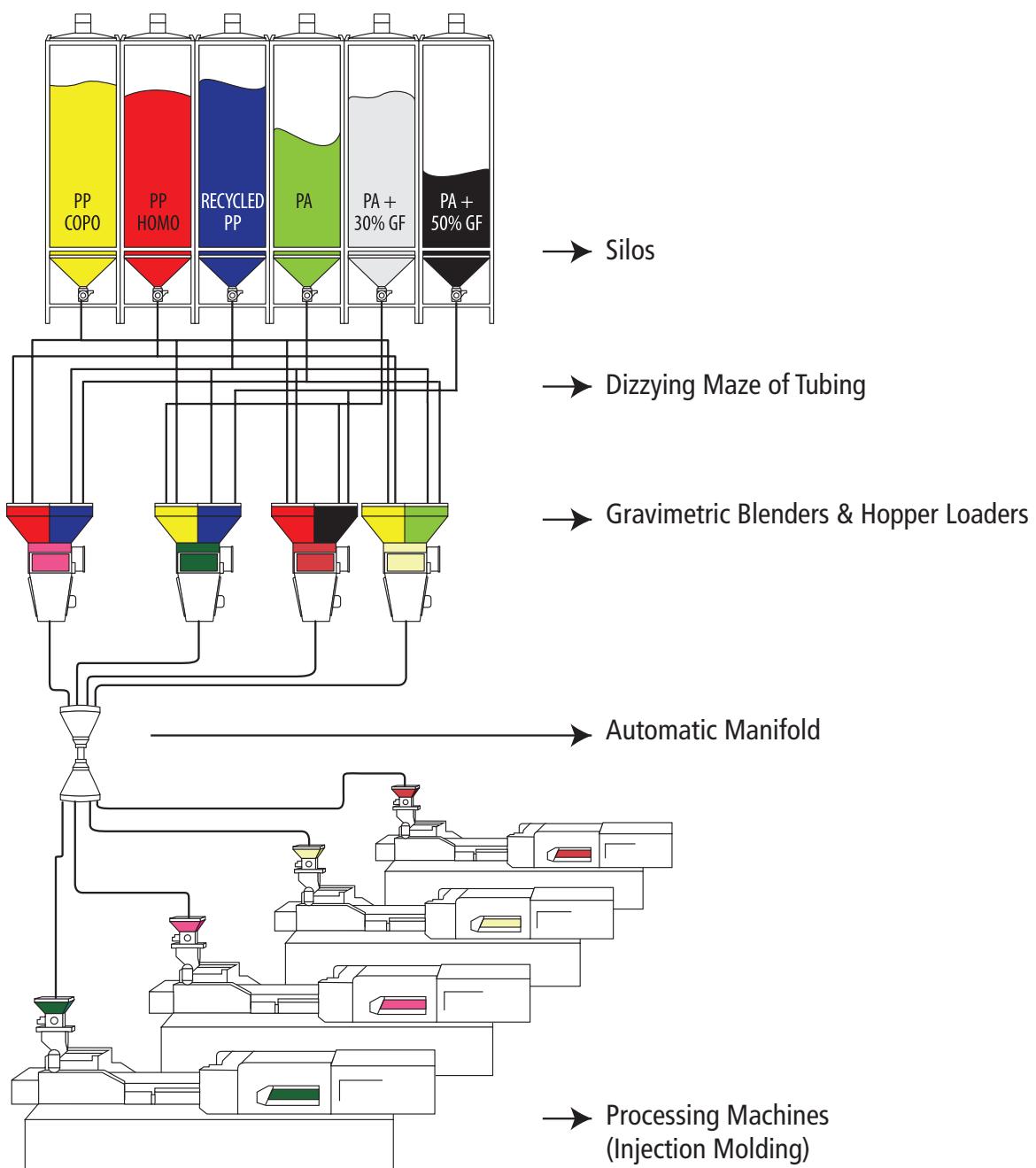
# BlendSave for Plastics Manufacturers

BlendSave is a gravimetric batch compounder that significantly improves plastics manufacturing job management, reduces capital expenditures and improves factory efficiency.

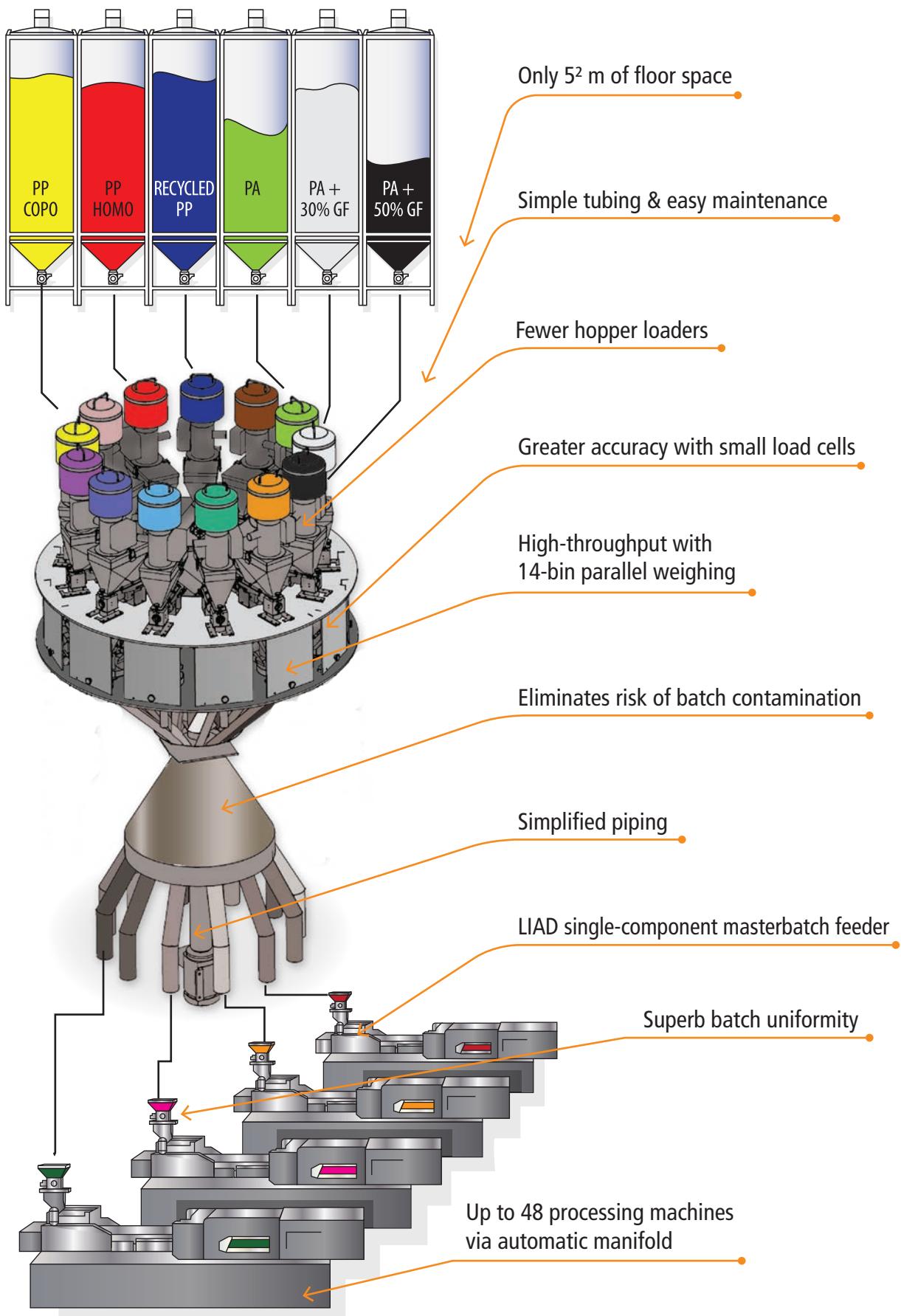
## Current Approach

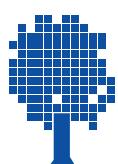
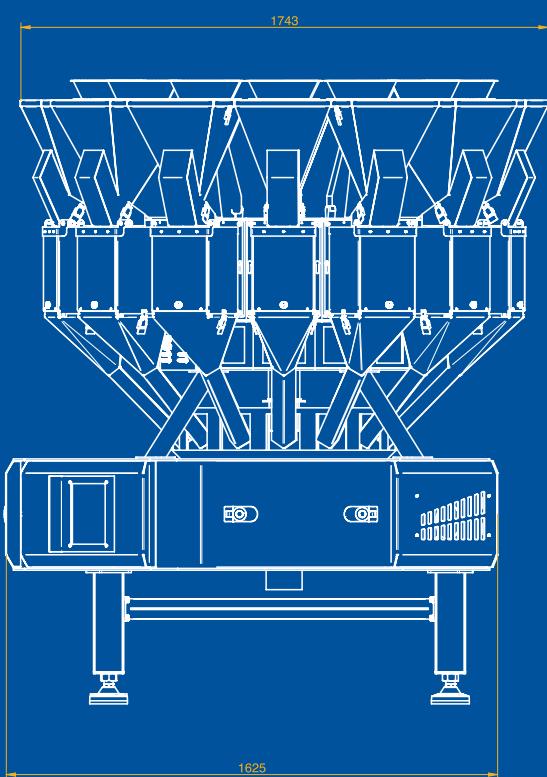
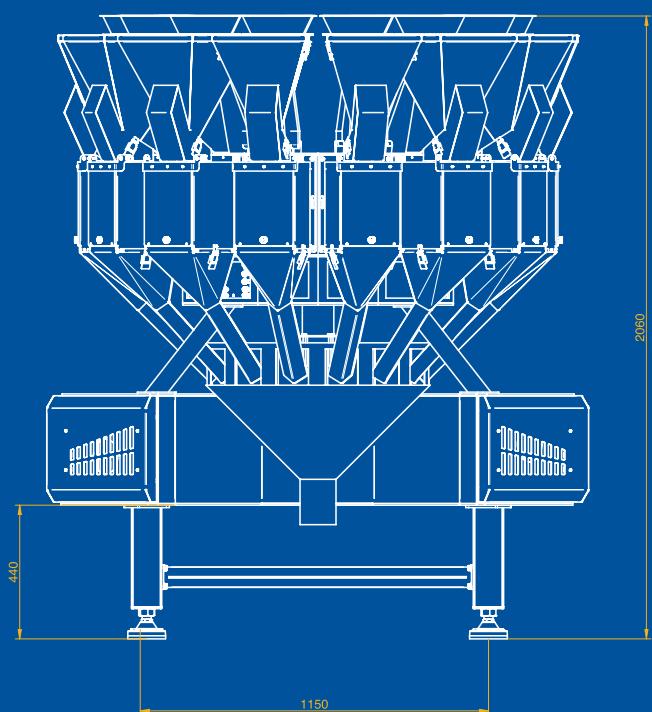
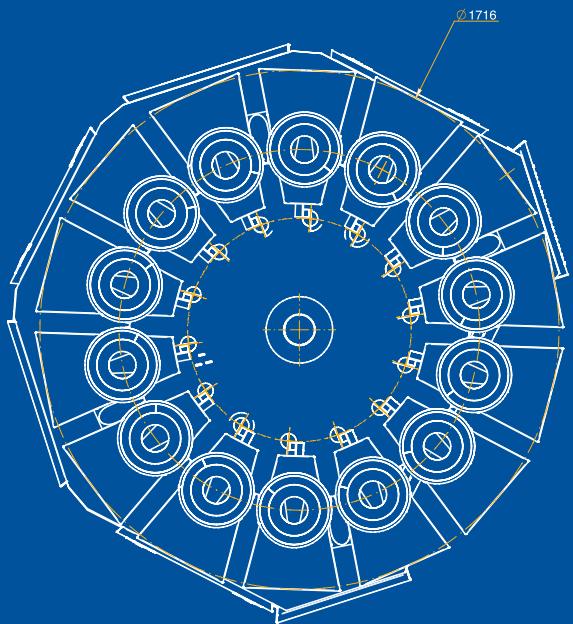
The current approach to raw material management is filled with waste and inefficiencies.

- Miles of tubing
- Unnecessary blenders
- High use of floor space



## BlendSave Method





**LIAD**

Weighing and Control Systems Ltd.

Tel: +972-4-9028800 • Fax: +972-4-9028818 • e-mail: prod@liad.co.il  
POB 10, Sky St., Misgav Industrial Park 2017400 Israel

[www.liad.co.il](http://www.liad.co.il)