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K-TRON

**Why Precise Feeding Saves
a lot of Money.**

**The Importance of Accurate
Feeding for an Efficient
Production Process.**

**Roadshow Istanbul 2025
Türkiye**

Hakan Karaalioglu, Regional Sales Manager

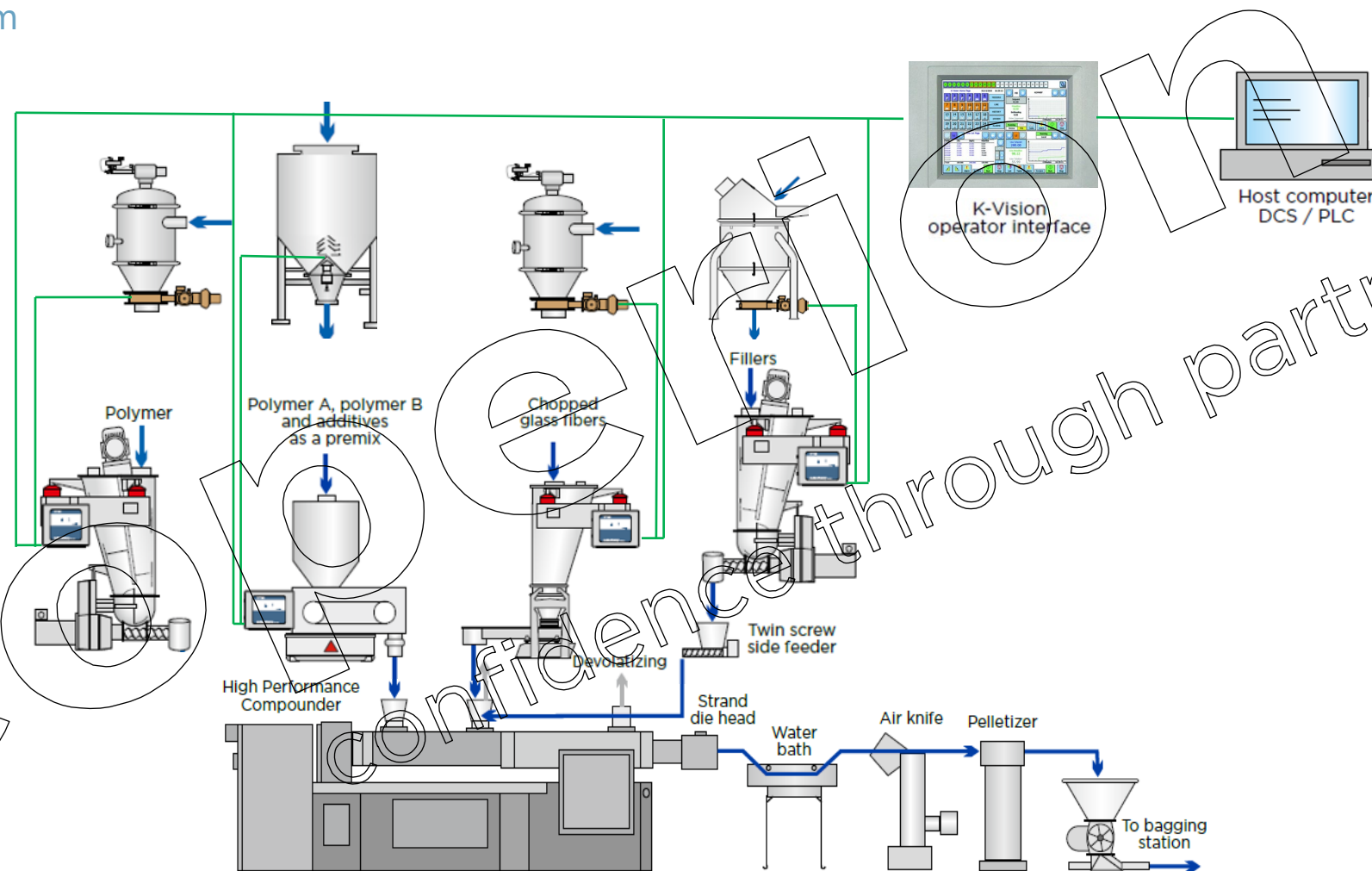
Typical Feeding System

1

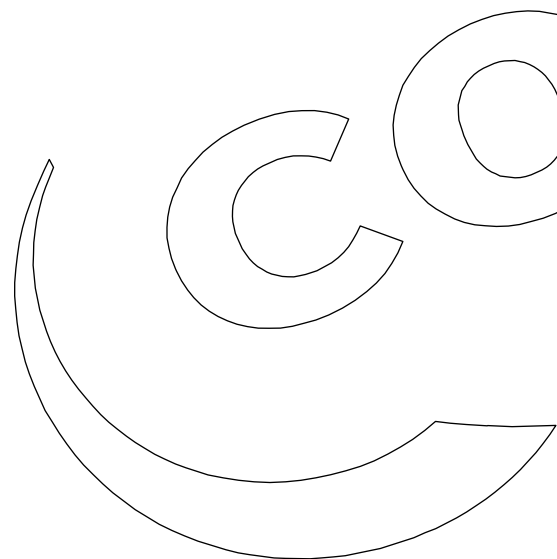
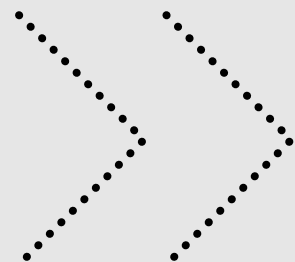
confidence through partnership

Typical Feeder Arrangement

Sample Flow Diagram



How can we
achieve a high
Accuracy?



1
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Smart Force Transducer (SFT) Digital Weighing Technology

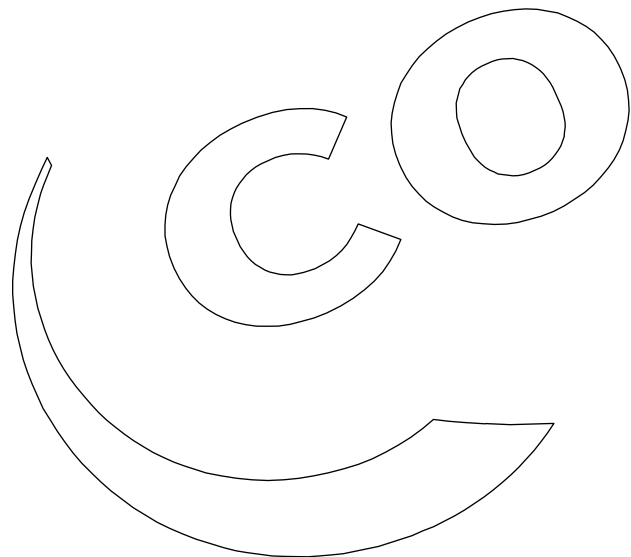
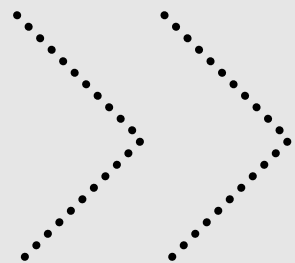
- 100% digital design, no calibration required
- Advanced single wire weighing technology
- Resolution of 1:8,000,000 in 20 ms
- Weight captured, linearized and temperature compensated 450 times per second
- Zero data loss measurement
- Digital low-pass filter reduces effect of plant vibration
- Waterproof and dust tight



Different Feeding Solutions

2011

confidence through partnership



GOOD VIBRATIONS



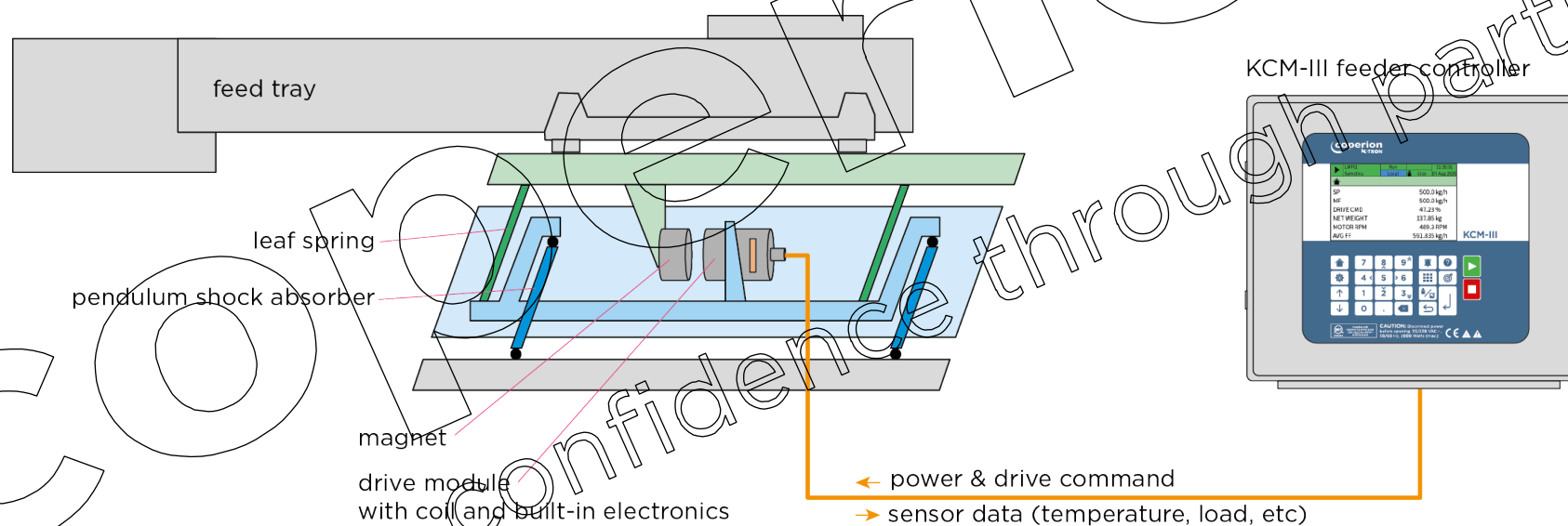
Vibratory Feeder



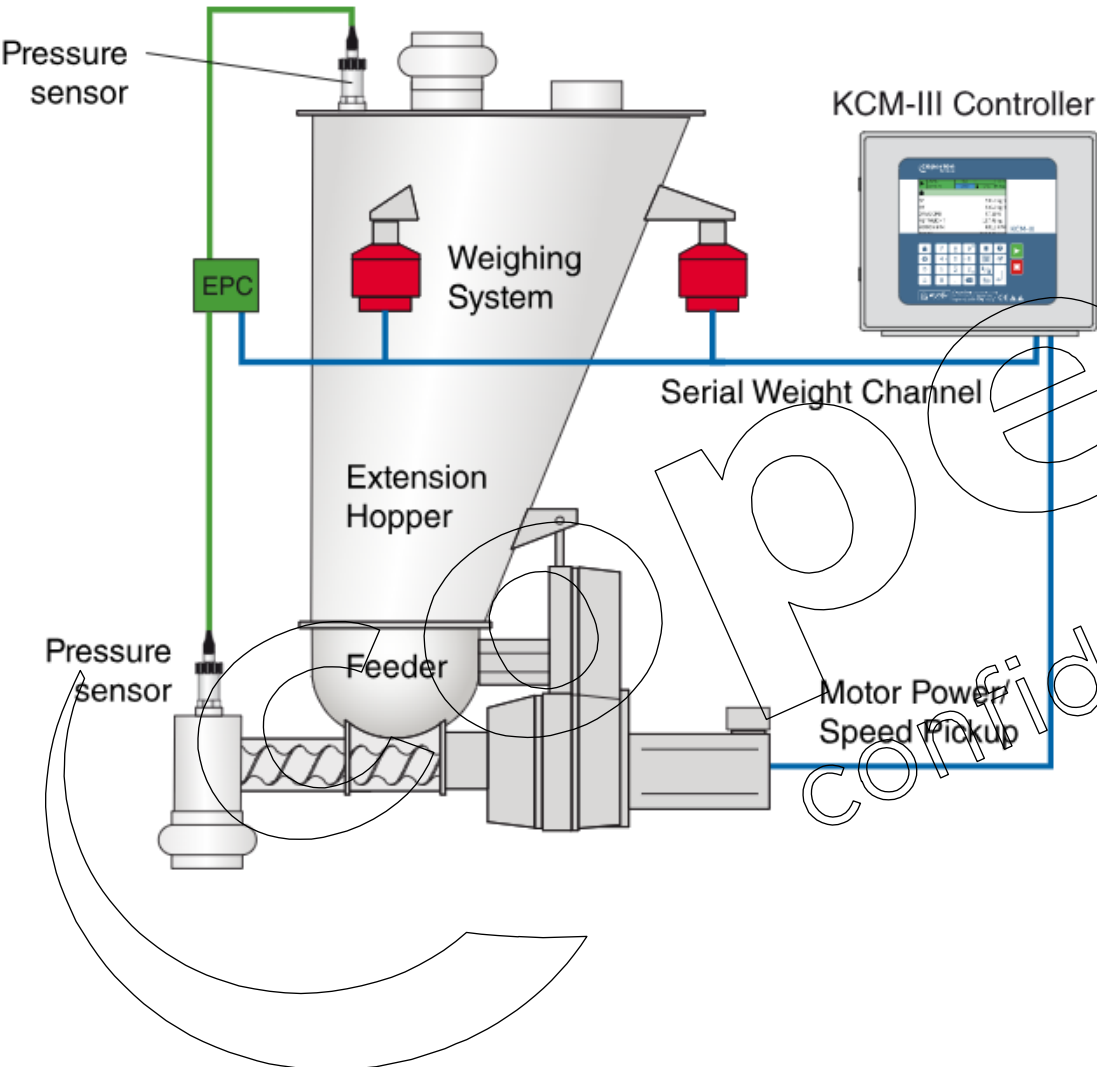
- New design of drive and absorbers results in 35% better feeding accuracy on average
- Unique Hygienic Design reduce cleaning and product changing time
- Low in maintenance and spare parts
- ATEX and NEC
- Low energy consumption and lower heat-up
- Gentle material handling

Next Generation Technology

Vibratory Feeder Principle of Operation



Electronic Pressure Compensation



Smart Weigh Belt Feeder



- Low costs for high volumes of flow
- Function easy to understand
- Compact for high flowrates
- Can be extended to use as a conveyor
- Handle large particle size bulk material
- Low power requirements
- Works well in difficult environments
- Gentle material handling

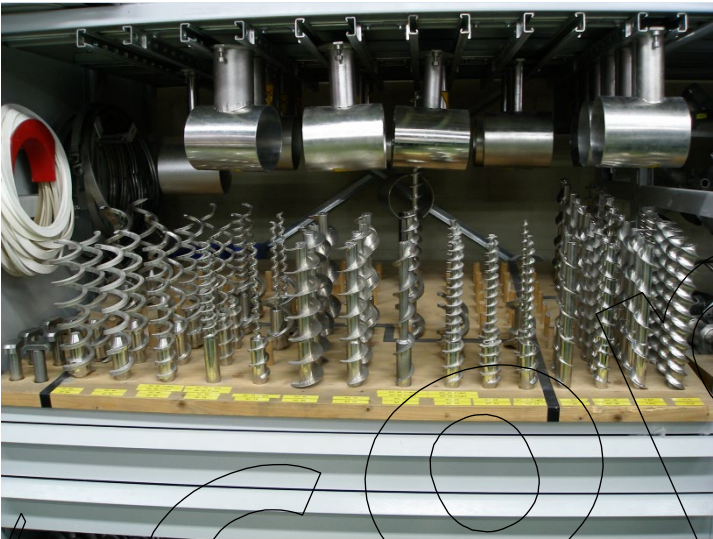
How to feed
different material
with one Feeder
only ?

3

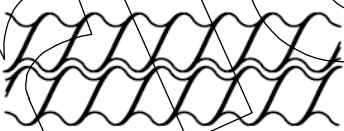
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Different Screw Types

Detachable screws



Single Spiral



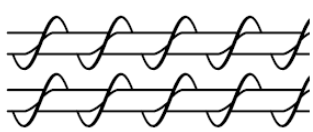
Twin Concave



Single Auger



Twin Auger

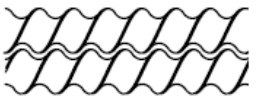
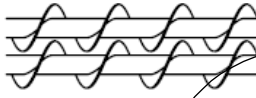

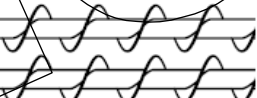


Double Auger



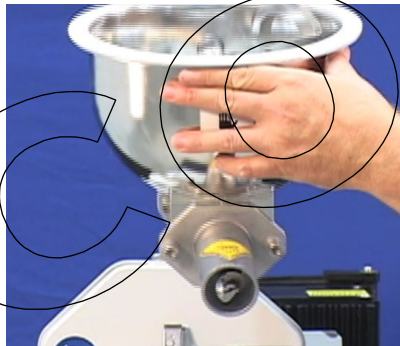
Complete Range doable with the new Servo Drive

Unprecedentedly High Turndown Ratio

Pitch		 Twin concave screws	 Twin auger screws	 Twin spiral screws	 Double auger screws
coarse pitch	dm³/h	2.9 - 1417	5.2 - 2267	3.4 - 1398	4.3 - 1712
	ft³/h	0.1 - 50.02	0.18 - 80.03	0.12 - 49.35	0.15 - 60.43
fine pitch	dm³/h	2.1 - 920	2.4 - 1370	1.82 - 1023	2.4 - 1254
	ft³/h	0.07 - 32.48	0.08 - 48.36	0.06 - 36.11	0.08 - 44.27

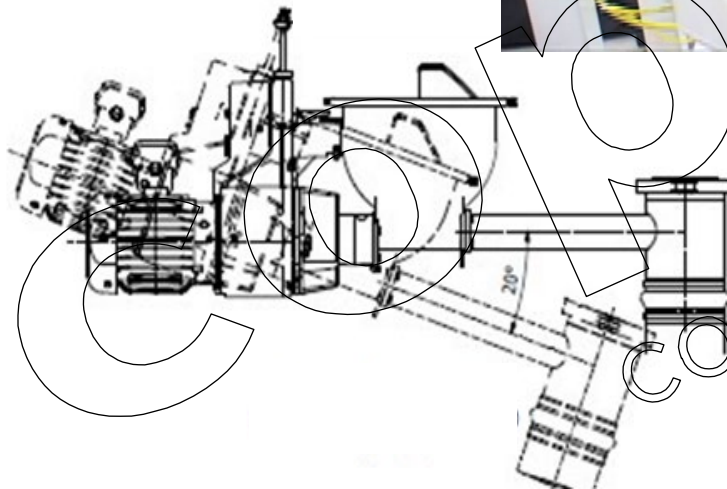
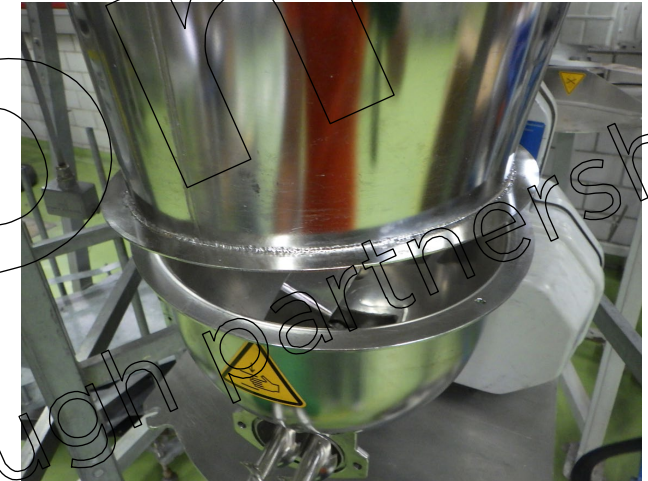


Quick Change Feeder



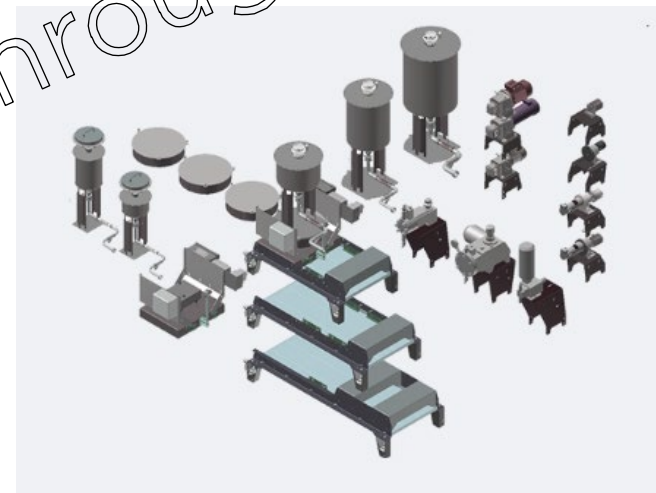
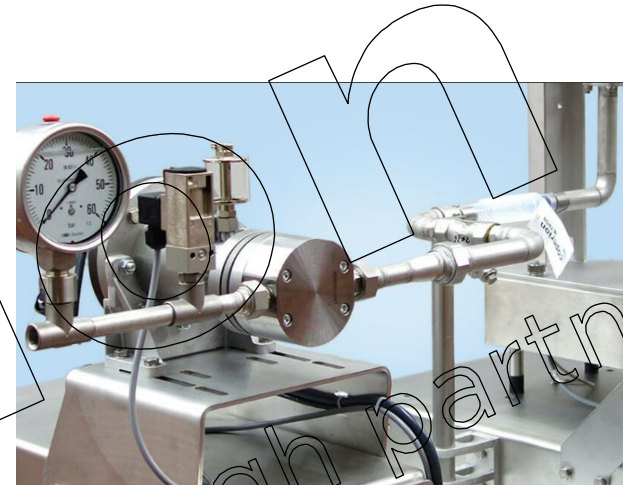
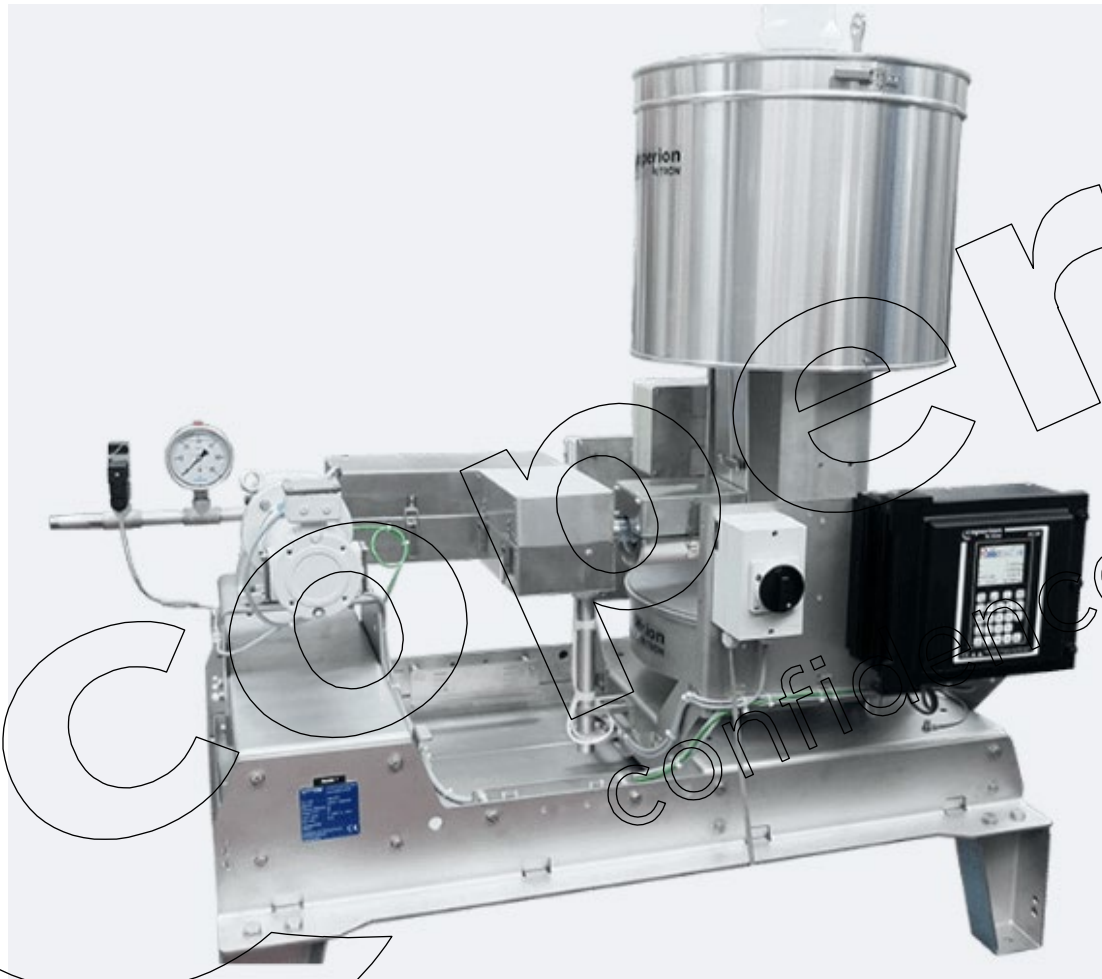
Quick Change Feeder

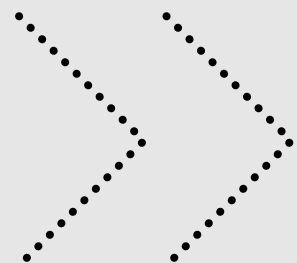
Detachable Bowl
(along with agitator)



Feeder Variety Showcase

Liquid Loss-In-Weight Feeder

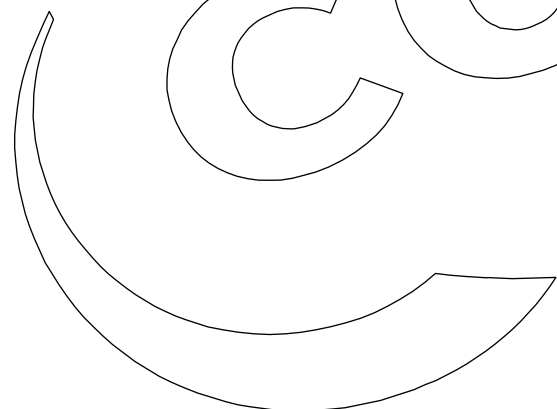




Refill Systems

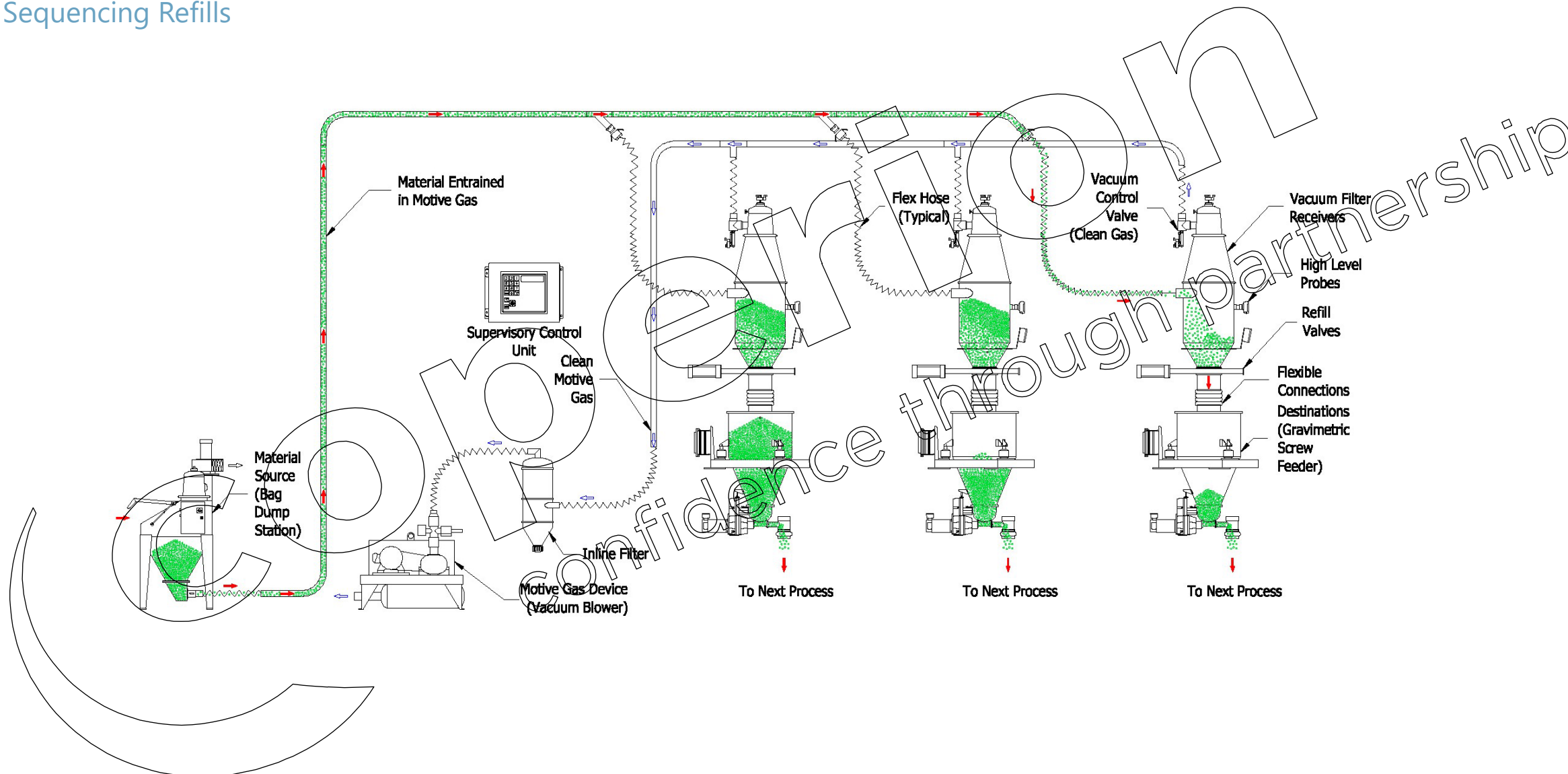
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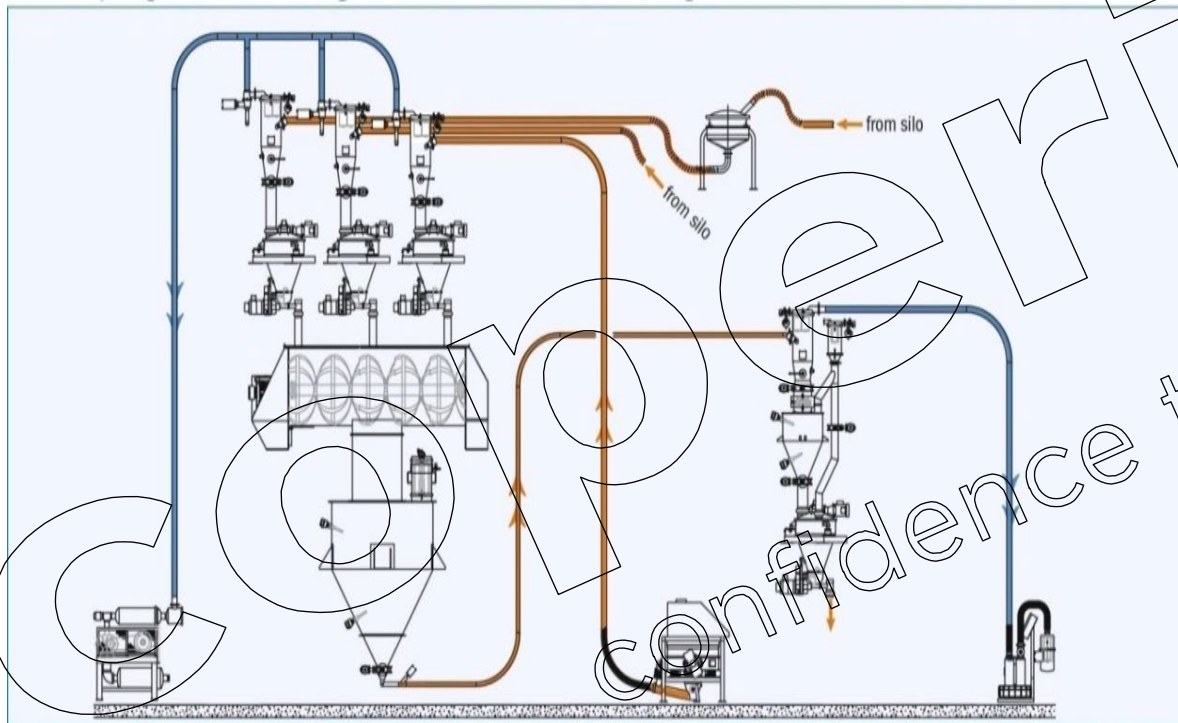
Refill Systems

Sequencing Refills



Refill Systems

Sample Diagram And Photo





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Thank you
very much for
your attention.

You're very welcome to follow us.

