

**POWDER HANDLING SYSTEMS**

**TABLET HANDLING SYSTEMS**



Intermediate Bulk Containers (IBCs)



IBC Discharge Stations



IBC Filling Systems



Bulk Tablet IBC and Tablet Discharge Stations



IBC Blenders



IBC Washing



Silo / hopper Discharger Valves



Gentle Transfer Chute (GTC)

# RECIPE BATCH FORMULATION

*Why have this ?*



*When you could have this*

- ▲ Automatic, Fast, Accurate Dosing;
- ▲ Efficiency and Flexibility;
- ▲ Guaranteed Discharge;
- ▲ Improved Quality Assurance;
- ▲ Clean Surroundings - No Wastage;



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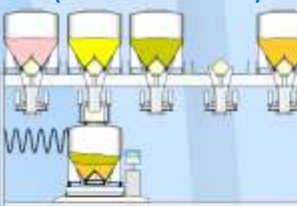
# RECIPE BATCH FORMULATION



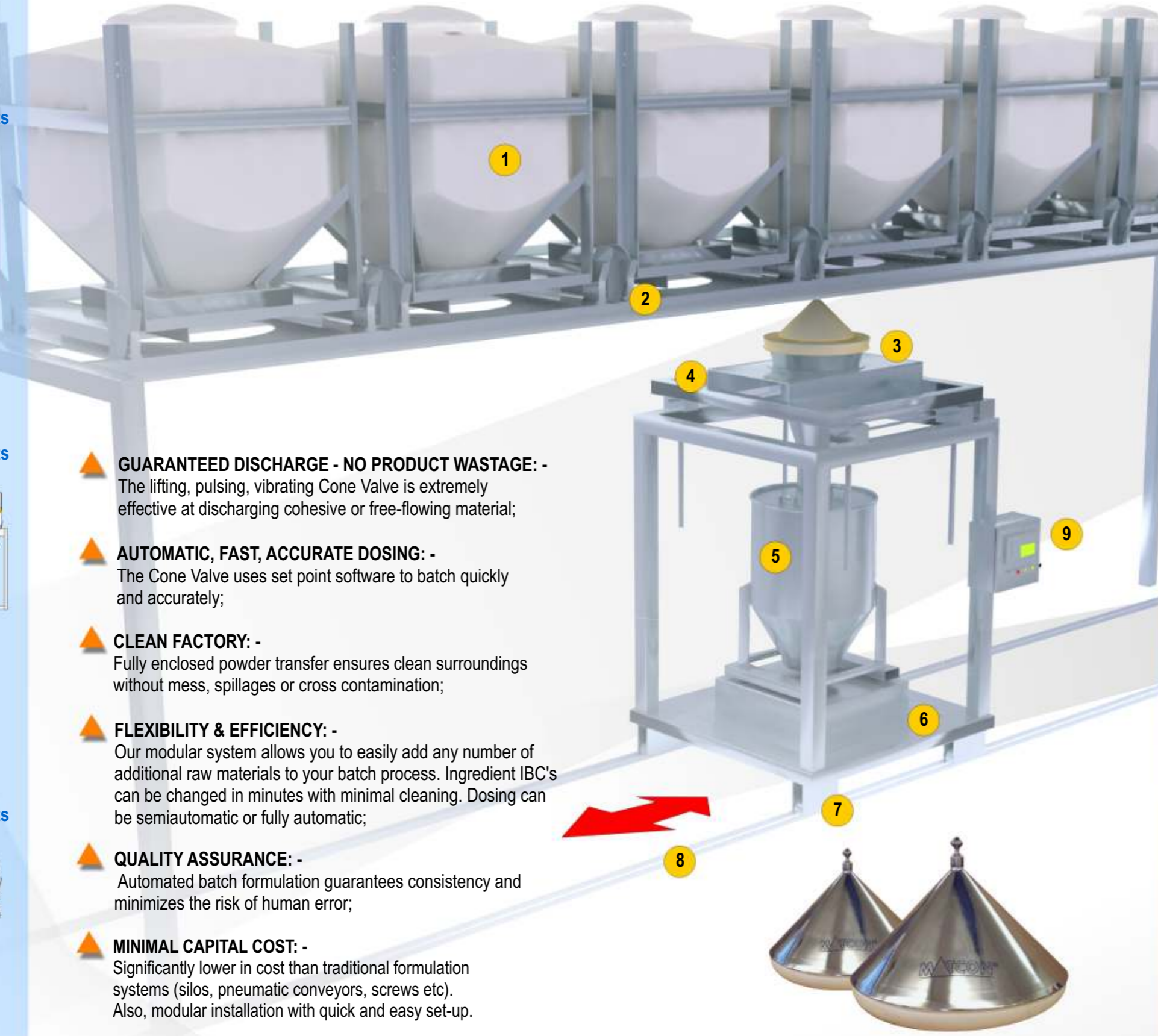
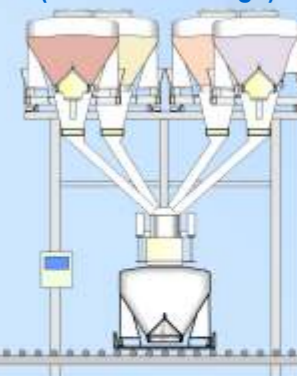
4 Raw Material Ingredients  
(Metal Powders)



5 Raw Material Ingredients  
(Pharmaceutical)



4 Raw Material Ingredients  
(Food Flavourings)

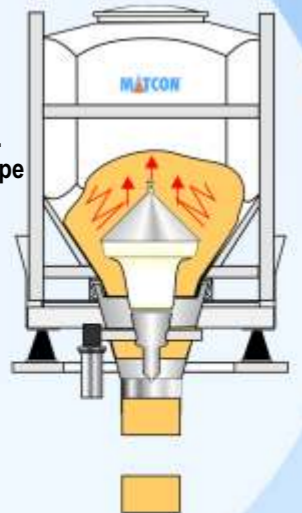


- ▲ **GUARANTEED DISCHARGE - NO PRODUCT WASTAGE:** -  
The lifting, pulsing, vibrating Cone Valve is extremely effective at discharging cohesive or free-flowing material;
- ▲ **AUTOMATIC, FAST, ACCURATE DOSING:** -  
The Cone Valve uses set point software to batch quickly and accurately;
- ▲ **CLEAN FACTORY:** -  
Fully enclosed powder transfer ensures clean surroundings without mess, spillages or cross contamination;
- ▲ **FLEXIBILITY & EFFICIENCY:** -  
Our modular system allows you to easily add any number of additional raw materials to your batch process. Ingredient IBC's can be changed in minutes with minimal cleaning. Dosing can be semiautomatic or fully automatic;
- ▲ **QUALITY ASSURANCE:** -  
Automated batch formulation guarantees consistency and minimizes the risk of human error;
- ▲ **MINIMAL CAPITAL COST:** -  
Significantly lower in cost than traditional formulation systems (silos, pneumatic conveyors, screws etc). Also, modular installation with quick and easy set-up.

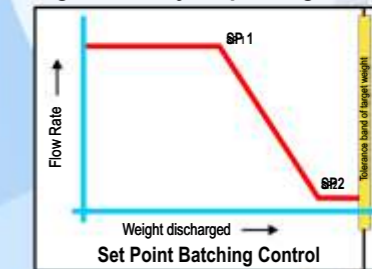
**FLEXI-BATCH**

## THE CONE VALVE SYSTEM

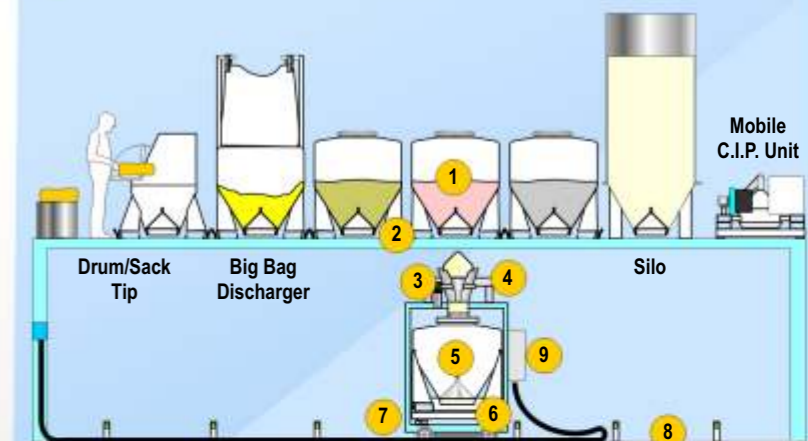
Mass Flow Discharge with No Particle Segregation or Degradation. Local or remote control via PLC recipe software configurable for multiple materials. Gain-In-Weight or Loss-In-Weight operation.



### High Accuracy Dispensing



- |                                                   |                                                                 |
|---------------------------------------------------|-----------------------------------------------------------------|
| 1 Raw material IBCs (Intermediate Bulk Container) | 6 High accuracy weigh platform                                  |
| 2 IBC location frame                              | 7 Automatic or manual Trolley                                   |
| 3 'Cone Valve' discharge system                   | 8 Low friction trolley rails with indexing system               |
| 4 'Cone Valve' docking system                     | 9 PLC System Control - Independent or Integrated with PC or DCS |
| 5 Formulated IBC                                  |                                                                 |



## Cone Valve Technology