

Profix BD

The system has passed the performance and safety tests and appreciated with its quality by the leading textile dyehouses worldwide. Profix BD full fills the latest technological needs by its unique design and its strong software.

Profix BD Full Automatic Powder Dyestuff Automation; Vacuum silo filling system 10kg / min. rapidly fills powder dyestuff silos. The automation system has a 12.1 " integrated touch screen computer and the dispensing quantities in the work orders from the Focus center monitoring software are sent to the dissolving unit as per recipe. With special helix screws for each dyestuff silo, recipes can be weighed accurately with high precision. Because of the spire screws working according to the dyestuff code specified in the recipe, the weighing system can be weighed accurately and with high precision by the load cell weighing system according to the fast and slow turning periods with servo motors.

It completes the contents of the recipe by pouring sufficient amount into the dissolving tank and performing a second or specified amount of dye weighing. Because of the new generation decoding and dispensing technology, it offers an excellent optimization for the dyeing process. 70 kg / min dissolving speed is the fastest dyestuff dispensing system on the market with a single line dissolving system.



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BD Unit

Profix BD; Fully automatic powder dyestuff automation system is used for fully automatic transfer of large capacity machines, especially dark color dyeings, for dispense to the dyeing machine addition tank designated for process. The system is safe and high-performance resistant to corrosive effects by means of stainless equipment which complements anodized metal main body. 500L (approx. 300 kg powder dyestuff) capacity powder dyestuff stock units are determined according to customer requirements and applications up to 6 silo capacity have been made.

The dissolving tank, which is completely determined according to the factory conditions, is selected according to the factory requirement between 500L and 750L. The powerful mixer enables the chaotic operation system to be completed in a very short time.

After dissolving, the dye solution is sent to the machines and then the solution tank and line are washed and on standby for the next dyeing. Because of its delicate polystyrene structure, special design and washing balls, washing process is done rapidly.

The system has passed the performance and safety tests and offers the solution for textile dyehouses. Profix BD is the latest version of design software combined with dynamic and ergonomic design of today's technology needs.

Mechatronic Solutions

Weighing	<i>Standard</i>	<i>Maximum</i>
Weighing Capacity	32 kg	60 kg
Measuring Sensitivity	0.1 g	1 g
Silo Capacity	100 L	300 L
Silo Quantity	20 - 160	
Minimum Weighing	1 g	
Maximum Weighing	250 kg	
Standard Bucket Volume	50 L	
Filling with Vacuum	Standard	
Absorbing the air particles	Standard	

Stock Unit	<i>Standard</i>	<i>Maximum</i>
Bin Capacity	8	12
Rotating Speed	30 sec/rev	1 g
Carrying Capacity	400 kg	600 kg

Dissolving	
Tank Capacity	200-380-480-800 L
Tank Quantity	2-4
Dissolving Time	Max 5 min.
Transfer Speed	120 lt/min 1 "pipe diameter 80 lt/min 3/4 "pipe diameter
Washing Quantity	Max 5 limited by software
Flowmeter	Electromagnetic Flowmeter
Mixer	900 rev/min
Tank Filling Speed	150 L/min
Vacuum Speed	Powder 12 kg/min Liquid 25 kg/min

