

The hammer mill is a critical component in most feed manufacturing operations. Its performance and reliability can only be optimized if it receives a steady, consistent, uniform supply of material across the full intake area of the hammer mill. It also requires an automatically controlled drive system that can

adjust the speed of the feeder for quick and accurate feed rate control in accordance with optimum hammer mill performance.

**THE MOST COMMON HAMMER MILL FEEDING DEVICES INCLUDE:**

- Screw feeders
- Rotary feeders, including conven-

tional multiple-vane pocket rotary feeders

This grinding feeder system provides smooth, consistent discharge.

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**ENGINEERED SUCCESS**

## THE POCKET FEEDER DESIGN

In the pocket-type design, the rotary cylinder consists of material receptacles that are divided and staggered across the width of the feeder, creating a larger number of pockets.

This provides many discharge points during rotation of the feeder, which results in a more even feed rate and distribution of the material across the full width of the mill intake, also preventing deliverance of material in slugs.

Another improvement in the pocket feeder design relates to the shape of the rotary feeder's material receptacle. A round-bottom cup with no corners or sharp angles provides more effective discharge for a wide range of raw materials.

The rotary feeder should be kept full of material during operation in order to ensure that it supplies material to the full width to ensure this, it is recommended to use a distributor screw for POC1002, 1202 and 1402.

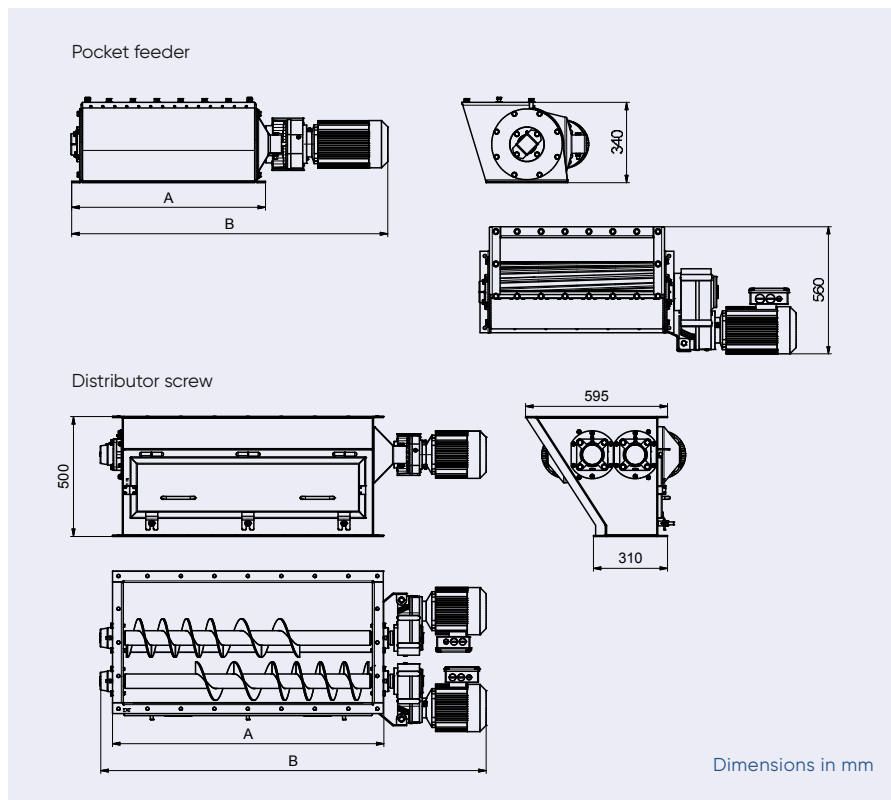
## AUTOMATIC CONTROL SYSTEM

The pocket feeder should be installed with a variable-speed drive. This drive communicates the load or amperage of the hammer mill's main drive motor to the feeder motor in order to adjust the feeder speed. As a result, the feeder does not supply the mill with more material than the hammer mill's main drive motor can handle. With the capability of constant adjustment through the feeder's variable-speed drive, it is possible to avoid overloading the mill.

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## TECHNICAL DATA

### Pocket feeder

Type	A mm	B mm	Weight kg	Motor kW
502	530	1035	135	3
602	630	1135	145	3
702	710	1235	155	3
802	810	1335	165	3
902	930	1435	175	3
1002	1010	1535	185	3
1202	1210	1735	205	3
1402	1410	1935	215	3

## TECHNICAL DATA

### Distributor screw

Type	A mm	B mm	Weight kg	Motor kW
1002	930	1360	135	2x0.75
1202	1130	1560	145	2x0.75
1402	1330	1760	160	2x0.75

