

Automatic proportioning and weighing plant for microcomponents

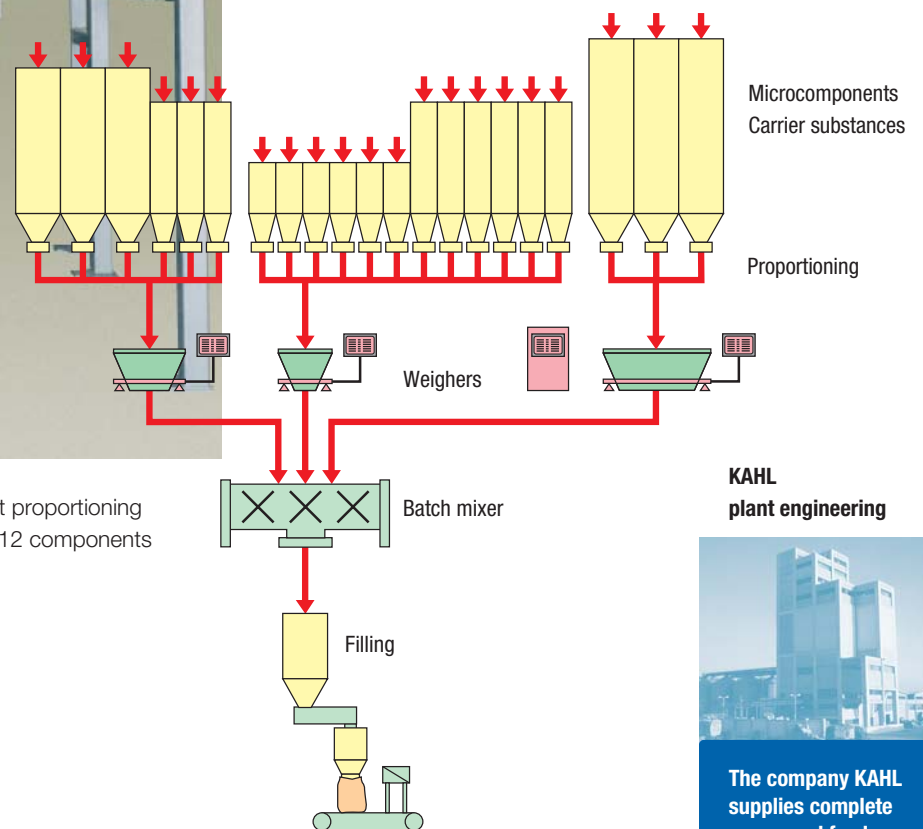


KAHL microcomponent proportioning and weighing plant for 12 components with a 30-kg weigher.

Proportioning, weighing, and mixing plants are used for the production of premix and concentrates. Small quantities of components can be proportioned, weighed, and mixed with high accuracy.

Advantages

- Automatic proportioning of small microcomponent portions
- Automatic weigher with small scale graduation
- The number of components is variable and can be selected in accordance with the respective formula
- Electronic weighers with automatic control from the central computer



Example of a KAHL premix plant for 21 components with 3 weighers, batch mixer, filling plant, and electronic control system.

KAHL
plant engineering



The company KAHL supplies complete compound feed factories, plants, and machines.

KAHL Premix Plant. Components



Component storage with 4 bins of 80 litres each, 4 bins of 160 litres each, and 4 bins of 360 litres each



Proportioning units



Proportioning weigher with 30 kg weighing capacity



Weigh tank of the proportioning weigher



Computer control



Batch mixer

Storage and proportioning bin

- Kahl microproportioning plant with circular arrangement of the component storage bins
- Proportioning bin with appropriate storage volume

Proportioning unit

- Vibratory feeder tubes for small capacities and proportions
- Vibratory feeder tubes with selectable fast/slow flow ratio, e.g. 1:10
- Variable speed screw dischargers with frequency converter for higher capacities

Proportioning weigher

- KAHL batch weigher for microcomponents
- Rotary discharge weigh tank without moveable parts at the weigher bin
- Fine gradation from 1 : 1 g
- Smallest proportioning quantity: 100 g in fine flow
- Weigher sizes: 1, 2, 5, 10, 20, 30, 50 kg

Computer control

- With automatic proportioning and weighing control, formula management, tolerance control

Batch mixer

- Single-shaft mixers of the series BWM are discontinuous mixers
- Liquid addition is possible
- Sizes: BWM 100, 200, 500
- Mixing elements: adjustable mixing paddles arranged on a shaft
- Material: St 37-2 or stainless steel 1.4301
- Outlet: bottom flap over the complete mixer length



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