

Automatic proportioning and weighing plant for microcomponents

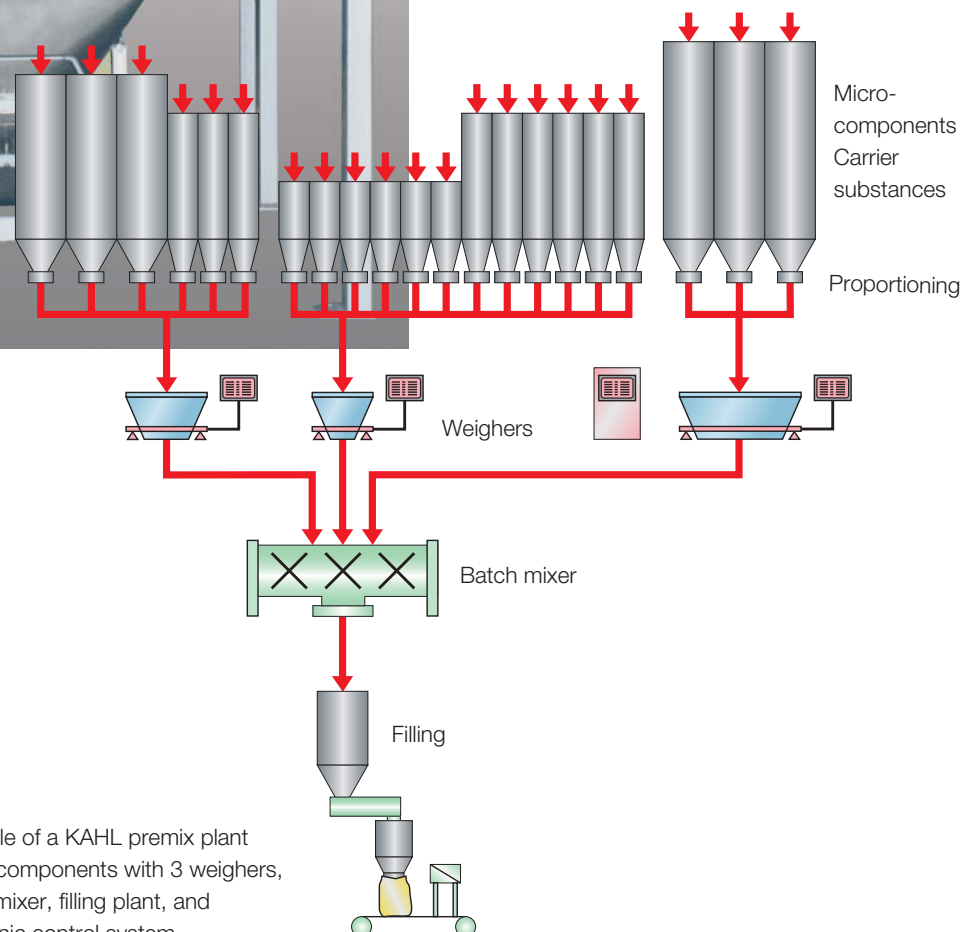


Proportioning, weighing, and mixing plants are used for the production of premix and concentrates. Small quantities of components can be proportioned, weighed, and mixed with high accuracy.

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

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



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

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



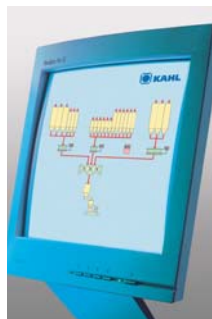
Proportioning units



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



AMANDUS KAHL GmbH & Co. KG

Dieselstrasse 5-9
D-21465 Reinbek / Hamburg
Phone: +49 (0)40 727 71 - 0
Fax: +49 (0)40 727 71 - 100
info@amandus-kahl-group.de
www.akahl.de