The LIN-DOS S is a three-axis linear unit for automatically sealing bars, particularly LED light bars, together with the 2-K-DOS or 2-K-MiniDOS mixing and dispensing units.

Fritz Giebler GmbH
Development and production of devices and control systems
LIN-DOS S
Mixing and dispensing system

The LIN-DOS S is a three-axis linear unit for automatically casting bars, particularly LED light bars, together with the 2-K-DOS and 2-K-MiniDOS mixing and dispensing units.

The device comprises a rail which represents the X-axis on which a wagon that carries the mixing and dispensing devices moves.

An arm that is mounted on the wagon and that can move in the Y-axis and Z-axis carries the dispensing device’s dispensing head.

The wagon’s speed and the travel and dispensing routes or points are programmed and operated with a menu-driven touch panel.

A number of LED bars lying parallel to the X-axis and next to one another can consequently be automatically sealed.

The LIN-DOS S regulates the dispensing.

The wagon’s speed and the dispensing rate can be finely tuned to each other.

The LIN-DOS S can optionally be equipped with a double-wagon for 2 dispensing units. When combined with the 4-K adapter, the LIN-DOS S can then dispense up to 3 different mixtures, e.g., mixtures with different scattering or opacifying filling materials for LED bars.

Technical specifications:

Max. dispensing route: X: 6 m, longer upon request
                   Y: 30, 50 cm
                   Z: 110 mm
Length: Dispensing route X + 60 cm
Width: Dispensing route Y + 60 cm
Height: 50 cm
Transport speed: 0.1 – 100 mm/sec.
Weight: Depending on length, for 3 m approx. 100 kg
Line voltage: 94 – 264 V, 50 – 60 Hz
Power consumption: 150 VA
Mark of conformity: CE