

Drum Blenders

## Blending Bulk Materials



Mixomat drum blenders are used in the chemical, pharmaceutical and food industry for blending bulk materials. They are produced by Fuchs and ideal for not optimally free-flowing powders and granules the company states. The Mixomat drum blender program is modularly designed and includes blenders for all types of container sizes and applications.

The laboratory blender Mixomat A is ideal for carrying out on-demand blending using containers of 3 to 26 litre capacities with a maximum working load

of 25 kg. This blender is fitted with the same characteristics of the large-sized drum blenders and can be directly used on site or in laboratory environment. The Mixomat A can also be fitted with a second drum holder and is, as an option, available as comfort series or ecoline version. The blending drum is filled to a maximum of 70% of its capacity and rotated around its own axes during a pre-selected blending time. Because the blending drum is mounted at an inclined position on the drum holder, the blending effect is three-dimensional. Blending is carried out gently and free of residuals.

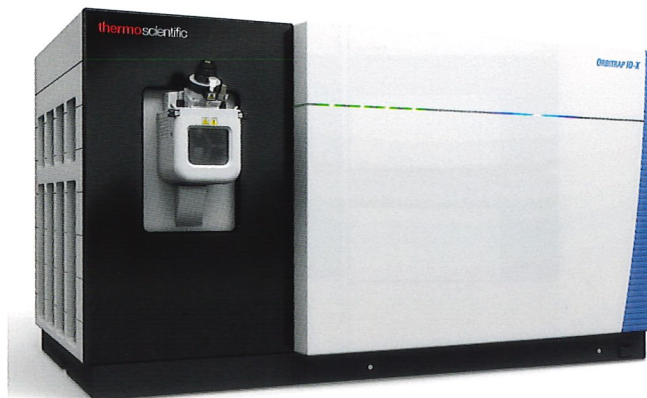
The Mixomat A comfort series is controlled by a PLC (Siemens Logo 8) and includes a HMI colour 4" touch screen, a main and an emergency switch, a speed regulation from 7 to 35 rpm, programming of the blending time and recipes. The lower cost ecoline blender version includes a main switch, a start and a stop switch. A powerful 230 V single-phase DC geared-motor drives the blender by means of a roller chain. The blender is supplied with a 3 m mains cable without plug.

// Phone +41-26-510-1000

**LAB Info:** More on lab-worldwide.com: Fuchs Maschinen

Mass Spectrometry Software

## Identify small-molecules



Pharmaceutical scientists are now able to overcome challenges associated with the identification and characterization of small molecules and their fragments with Thermo Scientific Mass Frontier 8.0 software, which quickly translates complex data into actionable, shareable knowledge. According to Thermo Fisher Scientific the software enables scientists to go from complex data to actionable, shareable insights by making unknowns known through searching deconvoluted components against mz Cloud, a comprehensive mass-spectral database. In combination with the Thermo Scientific Orbitrap ID-X Tribrid Mass Spectrometer (see Picture) supporting the Thermo Scientific Acquire X intelligent MS<sup>n</sup> data acquisition strategy, Mass Frontier 8.0 software can be used to capture more low-abundance analytes through streamlined data analysis and mass spectral prediction tools. This eliminates the labor-intensive and time-consuming steps analysts face when identifying small-molecules and their respective fragments using traditional solutions, providing greater insights, understanding and confidence when turning data into actionable knowledge.

// Phone +1-562-335-8318

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