



## **Intended use**

MAMMOTH 1.0 Intelligent powder Dosing system is intended for Dosing of powder sample materials.

The device MAMMOTH 1.0 is intended for automatic Dosing of a defined weight of powder materials into selected cups. The powder material samples in paper bags are loaded to the InFeed unit by the operating staff. The material is taken by a Dosing head and a defined weight of the material is dosed into the selected cups in the unit Dosing & Weighing. The dosed sample in the cup is placed by the manipulator to the OutFeed module, from where it is taken out by the operator.

## 1.1 MAMMOTH 1.0 Intelligent powder Dosing system

### 1.1.1 Technical Data

Part of the installation	Technical specifications		
<b>MAMMOTH 1.0</b> Whole installation	Year of construction	2013	
	Dimensions	Width = approx. 4,400 mm Depth = approx. 1,200 mm Height = approx. 1,950 mm	
	Weight	approx. 1,400 kg	
	Operating voltage	110 VAC, L/N/PE, 60 Hz	
	Compressed air supply	Clean, dry, 0.5 MPa	
	Operating conditions	Temperature: 15-30 °C, Humidity: min. 50 %, max. 80 %	
	Measured material	Dry, non-sticky powder material d < 250µm	
	Dosing range	0.1 - 3.0 g	
<b>InFeed unit</b> (Automatic input reservoir)	Dimensions	Width = approx. 2,350 mm Depth = approx. 1,000 mm Height = approx. 1,290 mm	
	Weight	500 kg	
	Dimensions of paper bags	Width	114 mm
		Height	197 mm (measured without the locking strip)
	Number of paper bag holders in the stock	78	
<b>Dosing&amp;Weighing unit</b>	Dimensions	Width = approx. 1,000 mm Depth = approx. 1,200 mm Height = approx. 1,950 mm	
	Weight	500 kg	
	Number of container types	up to 7	
	Number of CRM heads	8	
<b>OutFeed unit</b> (Automatic output stacker)	Dimensions	Width = approx. 1,050 mm Depth = approx. 1,100 mm Height = approx. 1,700 mm	
	Weight	400 kg	
	Number of drawers	4	