

MYLAB

ERGONOMIC LABORATORY EQUIPMENT



MYLAB

MYLAB
COMPACT AND MODULAR EQUIPMENT
FOR COATING AND FLUID BED GRANULATION





MYLAB is a laboratory scale equipment for R&D purposes, suitable for the granulation or coating process. A unique combination in terms of flexibility and configuration.

It is an essential tool to select the most appropriate technology for your products. A must-have equipment also for formulation and scale up studies to easily achieve production requirements.



MYLAB design is compliant to the most restrictive GMP rules, highly ergonomic, and allows for very quick and easy product change. MYLAB is compact and portable, on wheels, effortless.

It consists of a Main Technical Unit (MTU) with a fully integrated air handling unit, spray system and a control panel. The MTU can support either a coating pan or a fluid bed processor.

MYLAB FLUID BED MODULE

FLUID BED MODULE				
	DRYING (BASE)	GRANULATION/COATING (TOP SPRAY)	COATING (BOTTOM SPRAY)	API LIQUID LAYERING (TOP/BOTTOM SPRAY)
GRANULES	■	■	■	■
PELLETS	■	■	■	■
TABLETS	N.A.	N.A.	N.A.	■
MINI TABLETS	N.A.	■	■	■
HARD CAPSULES	N.A.	■	■	N.A.
SOFTGEL CAPSULES	N.A.	N.A.	■	N.A.

The fluid bed processor has interchangeable product containers for top or bottom spray process which can run batches from 2 to 6 litres. Products in process are usually monitored by a sight glass suitable for application of PAT detectors, temperature probes, and a sampling thief is also available.

The expansion chamber fits PE cartridges filters which have an automatic cleaning system by means of compressed air.

Top spray configuration has an air distributor on the bottom of the product container and a top spray nozzle with two working positions in the expansion chamber.

Bottom spray configuration has a perforated plate for air distribution on the bottom of the container where the spray nozzle is as well. An adjustable partition cylinder helps to regulate the core flow correctly and define the optimum spray zone.

A selection of air distributors with different perforations and double fluid nozzles are available as options.



MYLAB COATING PAN MODULE

COATING PAN MODULE

API LIQUID LAYERING	DRYING	FILM	SUGAR	
N.A.	N.A.	N.A.	N.A.	GRANULES
■ (>0.5mm)	■ (>0.5mm)	■ (>0.5mm)	■ (>0.5mm)	PELLETS
■	■	■	■	TABLETS
■	■	■	N.A.	MINI TABLETS
N.A.	■	■	N.A.	HARD CAPSULES
N.A.	■	■	N.A.	SOFTGEL CAPSULES



The coating pan processor is equipped with an interchangeable and fully perforated drum.

The drum has welded wave-shaped baffles which ensure optimal mixing of the cores.

The drum is able to work batches from 1.5 to 6 litres. A smaller drum to work from 0.5 to 2 litres is also available as an option.

The front door is locked by an inflatable seal to contain the process and opening is controlled by a safety sensor.

It allows easy access for quick drum change, spray gun adjustment and full inspection.



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OUR COMMITMENT.**

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CONTROL PANEL

The control panel is integrated in the MTU and is prearranged to work with both coating pan and fluid bed modules.

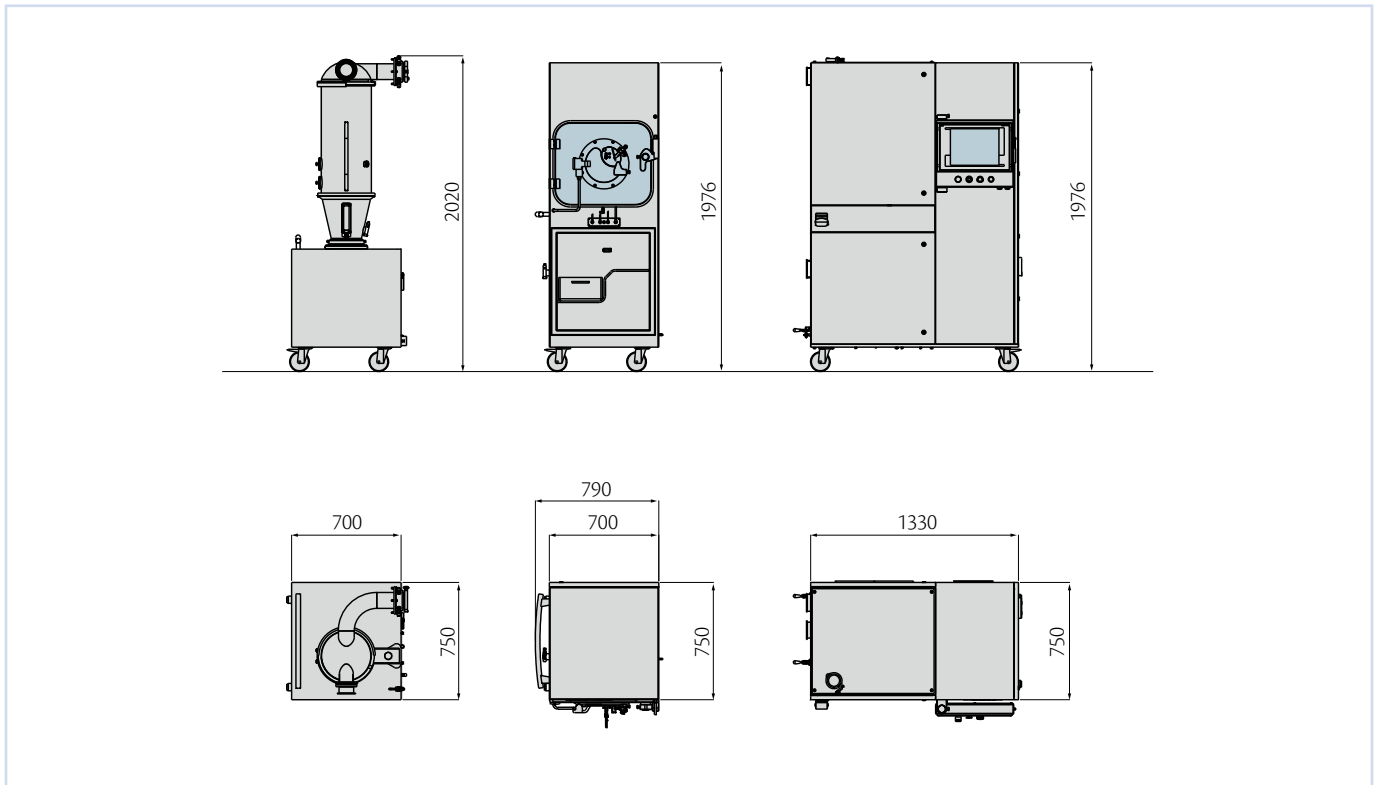
Control is made by Siemens S7 PLC and HMI touch screen industrial Siemens computer.

The whole system is designed in compliance with GAMP 5 and CFR 21 part 11.

HMI is extremely user friendly with immediate synoptical visualisation of process parameters.

- Manual or automatic selection of the process.
- Access control with password.
- Recipe management and storage.
- Process data record and storage.
- Prearranged for data printing or export via ethernet.

TECHNICAL DATA



MTU	
Air flow (Nm ³ /h)	50 - 300
Air temperature (°C)	20 - 90

MYLAB WITH FLUID BED MODULE	
Top spray working capacity (litres)	3 - 6
Bottom spray working capacity (litres)	3 - 6
Weight (Kg)	925

MYLAB WITH COATING PAN MODULE	
Working capacity (litres)	1.5 - 6
Pan diameter (mm)	460
Capacity of smaller drum - option (litres)	0.5 - 2
Pan diameter of smaller drum - option (mm)	420
Weight (Kg)	935

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