



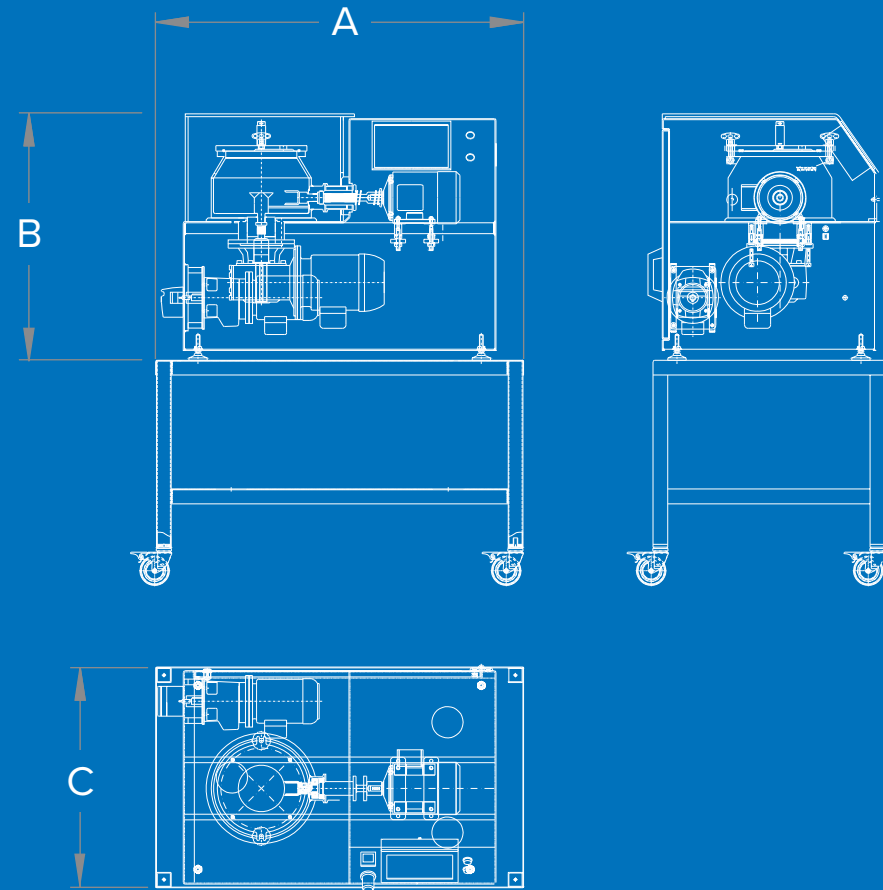
High Shear Mixer Granulator TPG Lab

Granulation process technology



Model	CAPACITY		DIMENSIONS		
	Min.(L)	Max.(L)	A	B	C
TP G LAB (Bowl 2L)	0,5	1,5	1.000	670	600
TP G LAB (Bowl 5L)	1,5	3,5	1.000	670	600
TP G LAB (Bowl 10L)	2,5	7,5	1.000	670	600

* Approximate data / Loading levels may change depending on tablet's shape and density



GRANULATION PROCESS TECHNOLOGY

Wet granulation refers to the process in which the primary powder particles are made to adhere to larger, multi-particle entities called granules. In this wet granulation process, the granules are formed by the addition of a binder solution. The liquid solution can be aqueous or solvent based.

The system **High Shear Mixer TP G Lab** allows to obtain a homogeneous granulate by means of the combination of a bottom mixing system (bottom drive) carried out by an impeller, the action of a lateral chopper that helps the break of lumps and the controlled addition of the binder solution. By means of the control system of the equipment we manage to carry out repetitive processes through recipes. All critical parameters are controlled by the equipment automaton throughout the process.

The **High Shear Mixer TP G Lab** equipment is able to determine the optimum granulation point by torque or time control.

Global Service

Our qualified Romaco Service is globally available for you.

Remote Connection as standard feature assist you as alternative to long-distance travel.



Also in our portfolio

Romaco Innojet IHT High Shear Mixer Granulator

The optimum granulation



High Shear Mixer Granulator TPB Lab

Used for new product development, with a technology that easily allows changing to a pilot scale. And also provides useful information for industrial batches.

The **High Shear Mixer TPG LAB** is a vertical mixer-granulator such as "High Shear" with high capacity and breaking up clumps in the mixture during wet process. Manufactured according to CE and GMP standard

Allowing for quick high-density mixtures and ensures good stability of the particles ensures high productivity and a better-quality product.

The machine can work with 2 L / 5 L / 10 L interchangeable containers through quick connection and clamp type closure*

The recipient is mounted on the basic equipment according to user needs. The container is made of AISI 316L for the parts in contact with the product, the exterior part is made with AISI 304, silicone joints are used with food grade FDA.

The design allows a quick and simple operation, and easy cleaning due to the absence of edges and corners.

The top cover is fixed with quick-type clamps with adjustable pressure with the possibility to set connections and the necessary accessories.



*Recipients are not included with basic equipment



Dismantling and unloading with ease and accessibility for easy washing



Turbine agitator integrated with pneumatic motor and coupling clamp for easy disassembly



Automatic addition of binder solution with peristaltic dosage pump



Spray Nozzel