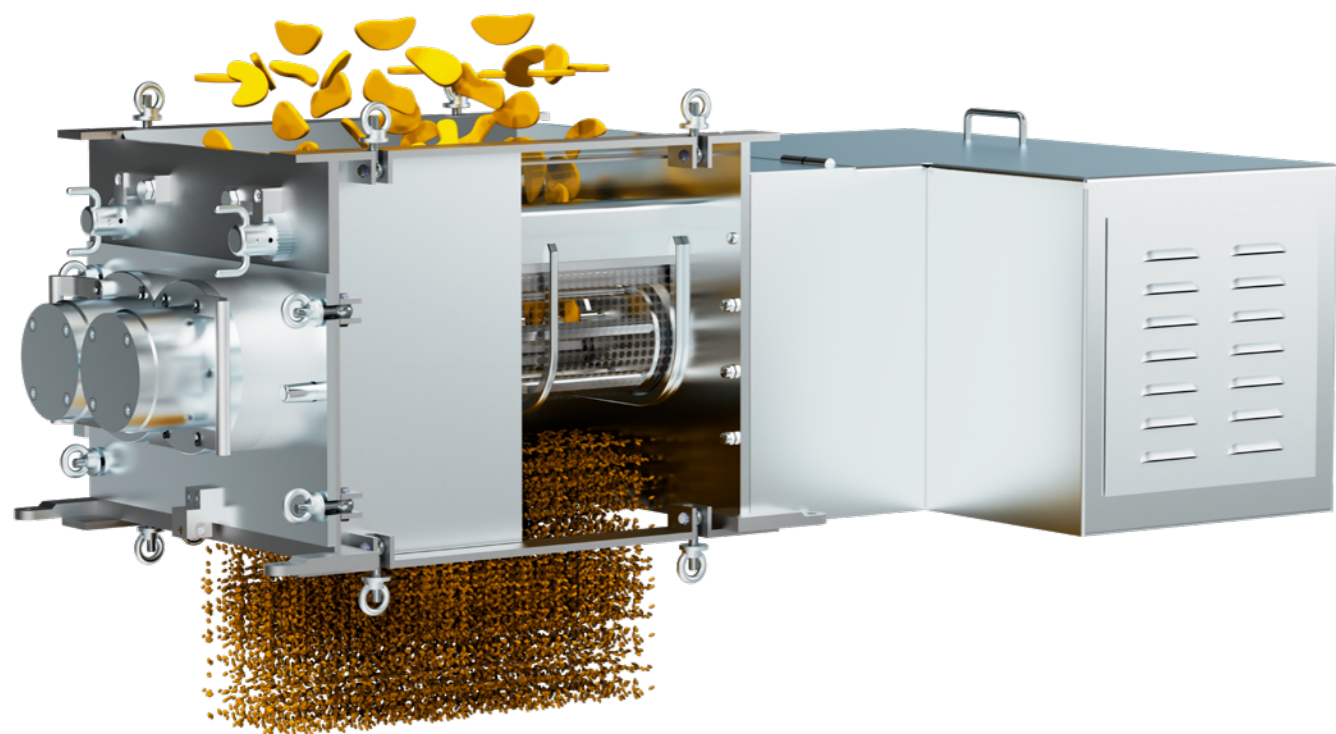


CT ROTARY HEAD GRANULATOR



ROTARY HEAD GRANULATOR

CT



CT rotary granulators are designed to obtain granules with maximum uniformity, either through dry or wet processes, with a minimal fraction of powdery and with throughput far superior to those of multi-head oscillating machines.

This equipment is especially suitable for the pharmaceutical, food, and chemical industries in general. It can be used to produce tablets and pills or to condition cakes into granule forms, facilitating their compression or subsequent drying, which is required in the fine chemical and synthesis industries.

OPERATION

Granulation is carried out by one or two horizontal rotors (depending on the series), with hexagonal profile bars, that rotate at an adjustable speed according to the nature of the product, forcing it through a wire mesh or perforated plate sieve.

It incorporates two support bearing lines, enabling the granulator to perform pre-crushing functions with soft to medium-hard products.



CT-400 Geminis pharma granulator with special sliding lid.



Detail of the granulating rollers of a CT-400 with mesh at the bottom and detail of the resulting product.

We offer two series of rotary head granulators:

- » The CT-150, with a single rotor.
- » The CT Geminis, with two parallel rotors.

The drive is provided by a continuously geared motor with intermediate gears up to the granulating heads.

Its throughput depends on the nature of the product to be granulated and the mesh size of the sieve used. Furthermore, maximum throughput is achieved by adjusting the rotors speed to the bulk density of the product.



with you, step by step



CT-150 SERIES

The CT-150 features a single horizontal rotor, with hexagonal profile bars, rotating at a speed according to the product requirements, forcing it to pass through a sieve.



CT-150 granulator with the front door removed, allowing to see the rotor, slightly pulled out of the chamber

This sieve is assembled on a rigid structure, perfectly aligned, without contact with the rotor, so there is no wear or contamination caused by metal-on-metal friction.

It is installed on an AISI-304 stainless steel support bedplate with a tubular structure and a mobile execution.

Its compact and reduced design is intended for the processing of minority or low-tonnage materials.

Cleaning this equipment is quick and easy, thanks to a front door that provides access to the interior of the machine, being able to easily disassemble both the rotor and the sieve. This ensures that the equipment complies with GMP and CE standards.



CT-150 pharma rotary granulator, installed on a hand-truck

Technical data

Model	CT-150
Motor power (kW)	0.75
Rotor speed range (rpm)	150 - 210
Loading hopper capacity (L)	5
Loading inlet dimensions (mm)	155 x 170
Unloading inlet dimensions (mm)	155 x 111
Minimal mesh light (mm)	wire mesh: 0.5 perforated sheet: 2
Approximate weight (kg)	120



CT-400 & CT-800 GEMINIS SERIES



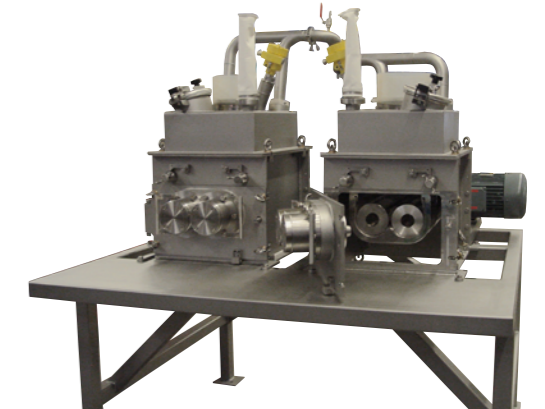
CT-400 Geminis granulator with integrated control panel on the bedplate.

The GEMINIS granulators are equipped with two parallel rotors with a common drive, rotating at a speed adjusted to the nature of the product to be granulated. The result is a convergent/divergent movement, depending on the direction of operation.

The granulation chamber and its drive are assembled on a sturdy stainless steel bedplate prepared to support the machine on the floor. Alternatively, the bedplate can be omitted to install the machine in line. According to the process and type of assembly, these granulators can be supplied with loading and unloading hoppers.

The sieve is easily mounted at the bottom of the granulating chamber, and a set of tensioners is provided on the front to adjust the working stiffness.

We offer a **pharma version**, with a hinged door providing access to the rotors, that allows quick and easy cleaning, thereby complying with GMP and CE standards.



2 CT-400 Geminis granulators assembled on the same support bedplate.

Technical data

Model	CT-400	CT-800
Motor power (kW)	4	7.5
Rotors speed range (rpm)	28 - 180	60 - 175
Loading inlet dimensions (mm)	515 x 388	750 x 625
Unloading inlet dimensions (mm)	610 x 444	Ø 300
Minimal mesh light (mm)	wire mesh: 0.5 perforated sheet: 2	wire mesh: 0.5 perforated sheet: 2
Approximate weight (kg)	385	578