

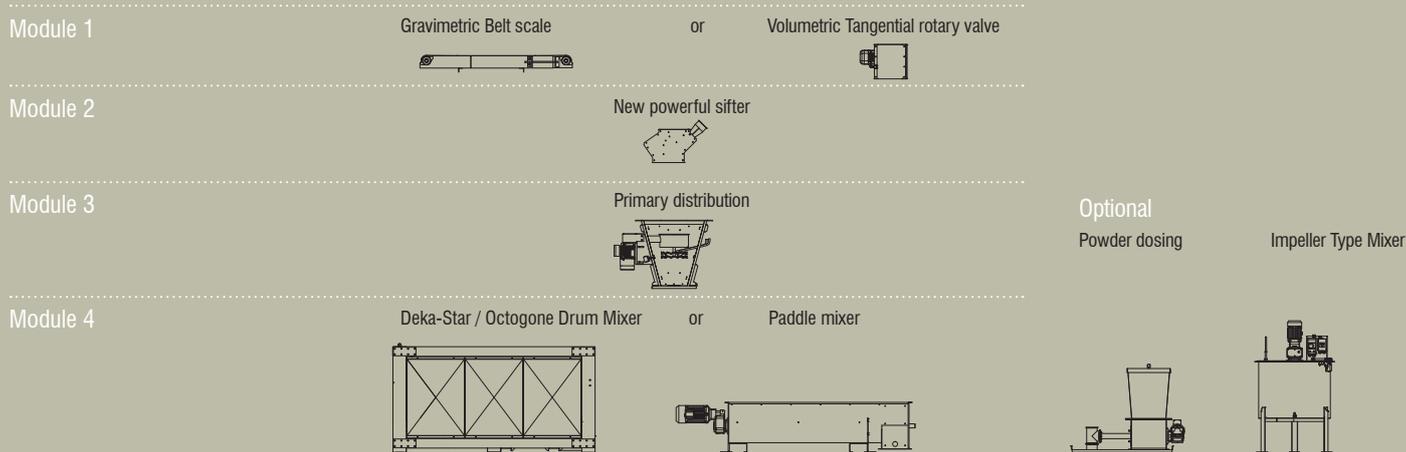


Continuous Chemical Treater CT Vario

Create your own solution

The PETKUS Continuous Chemical Treater CT Vario is continuous treatment in a building block principle. With this sophisticated modular design, functional elements can be combined or substituted in a customized process. Classic continuous treatment is available with either the Paddle Mixer or the innovative Deka-Star / Octogon Drum Mixer.

Combination possibilities



Operating principle

The CT Vario is the flexible solution for individual applications. Traditional PETKUS treatment and coating technology and functionality remain intact while allowing for free choice of configuration. The PETKUS design places particular value on precise seed dosing and chemical spraying regardless of the throughput rate. Depending on preference, the seed is dosed gravimetrically or volumetrically in a generously-sized spray chamber. The seed is fed through an optimized and redesigned tangential rotary valve that is particularly gentle. In the spraying chamber, a uniform product veil is created by the rotating distribution disk, even at high throughputs, allowing for consistent chemical application. Eighty percent of the conical spray chamber can be opened, making for easy maintenance and cleaning.

Variable Modules

Through the optimized tangential rotary valve, seed supply can be dosed volumetrically or gravimetrically with a belt scale. An additional available option is an extensive chemical agent dosing and feeding unit. This unit allows for a variety of chemical agents and powders to be dosed either separately or as a pre-mix. Various modules can be combined as required. For secondary mixing, the Paddle Mixer or the Deka-Star Drum Mixer are available.

Deka-Star / Octogon Drum Mixer

The new, innovative Deka-Star (50 t/h) / Octogon (30 t/h) module within the Vario-Series owns up to its name. The secondary mixing drum has an adjustable incline (-1° to +2°). Traditional round or multi-sided drums have a low circulation moment. The special shape of the Drum Mixer allows for a more intensive mixing without the use of additional mixing tools, while still providing a greater level of uniformity and lower mechanical stress. The seamless polyurethane-coated interior has a non-stick effect. Polyurethane is known for its excellent properties, including corrosion protection, high abrasion resistance and compatibility with foodstuffs. It is also permanently elastic, shock-absorbing, glide-enhancing, low-wear, soft and yet extremely resilient. The material can be used in all climatic conditions.

Special characteristics

- Modular design for maximum flexibility and variability
- Direct dust removal before treatment via aspiration system
- Precise, reliable and simultaneous wetting and protection of the seed
- Up to 80 % spraying chamber opens for easy maintenance and cleaning
- Accurate and careful seed handling via tangential rotary valve for optimum product dosing
- Self-cleaning secondary mixer
- Chemical treatment with the inclinable Deka-Star Drum Mixer for particularly gentle and efficient handling of the seed
 - Gentle product mixing without the use of hard tools
 - Increased circulation moment and improved mixing
 - Polyurethane coating for cleanliness, longevity and product protection

Technical Data

Type		Capacity
VD*	Volumetric dosing	up to 50 t/h ¹
GD*	Gravimetric dosing	up to 50 t/h ¹
VP**	Volumetric dosing	up to 30 t/h ²
GP**	Gravimetric dosing	up to 30 t/h ²

* Deka-Star Drum Mixer
¹ based on soy

** secondary paddle mixer
² based on wheat