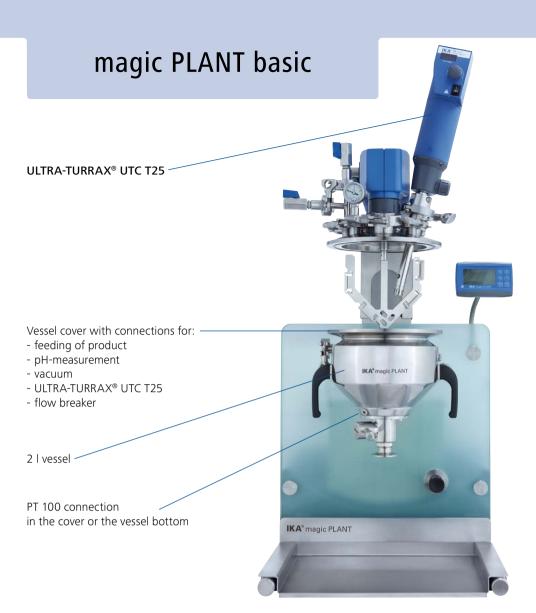


IKA® magic PLANT





The most versatile laboratory reactor available today



The ideal small laboratory plant for:

- Perfect mixing and homogenizing of liquid to pasty products
- Strong stirrer drive for a speed range of $0-2000~\text{min}^{-1}$ and reversible direction of rotation
- Double jacketed and insulated vessel for heating and cooling
- Vessel vacuum-tight up to 5 mbar for perfect product deaeration
- Pressure range -1 / 2,5 bar
- Optional ULTRA-TURRAX® UTC T25 for perfect emulsions and suspensions

Technical data	
magic PLANT	
Useful volume	2
Working pressure	-1 up to 2,5 bar
Max. temperature in the vessel	150 °C
Dimensions (L x W x H)	430 x 520 x 670 mm
Voltage :	1 x 230 V, 50 Hz
Agitator	
Speed	0 – 2.000 min ⁻¹
Stirring tools	- anchor (0 – 350 min ⁻¹)
	- propeller (0 – 2.000 min ⁻¹)
	- spiral agitator for drying (0 – 350 min ⁻¹)
	- flow breaker
Motor power	400 W
Disperser T25	
Motor power	500 W
Speed	3.400 – 24.000 min ⁻¹
Max. viscosity	5.000 mPas

Intelligent coupling of tools:



Propeller



Anchor

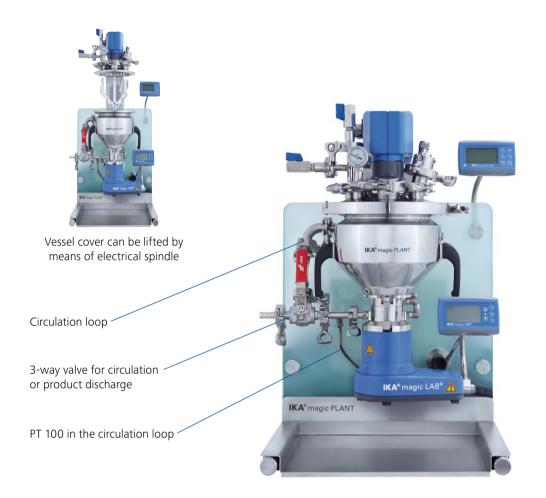


Vessel tiltable



Vessel can be taken out and placed on a support. Spare vessels for versatile R&D work

magic PLANT inline





Cover with agitator can be swiveled aside for easy product feeding.



Tray can be removed

- The latest development in dispersing technology for the finest and most stable emulsions and suspensions
- Circulation of the product through the circulation loop by the single or three stage rotor-stator system of the connected laboratory dispersing machine magic LAB®
- Complete discharge of the product which is pumped out by means of the magic LAB®



IKA® magic LAB®

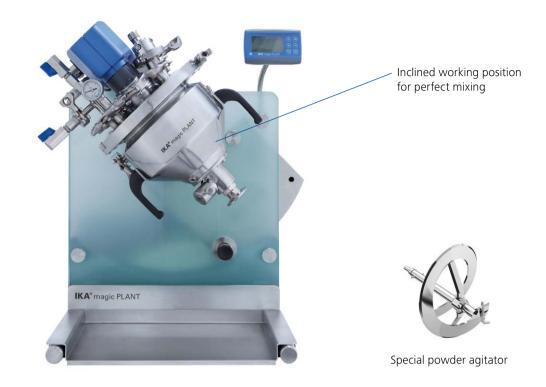
The tiny but powerful laboratory dispersing machine, designed for mixing, dispersing, wet milling.

Technical data		
magic LAB®		
Motor power	900 W	
Speed range (40 m/s)	3.000 - 26.000 min ⁻¹	
Voltage	1 x 230 V, 50 Hz	
Process pressure	up to 2,5 bar	
Product temperature:		
- in continuous operation	up to 80 °C	
- in short time operation (max. 18 min/h)	up to 120 °C	
Material of wetted parts	stainless steel AISI 316L	
Sealing material	PTFE-compound	
Elastomeres	Standard FPM	
	optional EPDM (FDA), FFPM	



DISPAX-REACTOR® DR module with three rotors and three stators for fine emulsions and suspensions

magic PLANT powder





Discharge by complete tilting of the drying vessel

Efficient but gentle mixing of all free flowing solids, including products with different bulk densities and particle sizes. Mixing is done by means of a special spiral agitator, intensively mixing the product in radial and tangential directions. Inclined position for optimum drying of various humid solids of different free flowing behaviour as well as different bulk densities at uniform humidity and temperature distribution in the whole product area

- For drying of powders and granules
- For homogenizing, mixing and coating of powders
- Better mixing and drying result by inclination of the complete mixing vessel
- Complete discharge either through a special valve at the vessel bottom or by tilting of the vessel
- Special stirrer geometry
- Stirrer speed can be adapted to the product characteristics

From emulsions and suspensions up to powdery material for a wide range of industries



