



Small, compact and
exceptional performance
EcoStar series in premium
quality

Engineering Passion

KraussMaffei

The EcoStar series: Our compact metering machines for highly diverse polyurethane applications

Whether it is used as a laboratory machine or a production machine, the EcoStar series covers a wide range of options for manufacturing polyurethane components. The series features an attractive price/performance ratio and ideal delivery times. The machines are equipped with premium-quality components to guarantee reliable process control and high component quality.

Features

- Double-walled 250 l material hoppers
- Agitator for polyol and isocyanate
- Level monitoring
- Suction line with screen basket filter
- High-pressure metering pumps produced in-house by KraussMaffei
- Flow measurement
- Electrical control system with S7 Siemens control system with KTP400 Comfort touch panel
- Hydraulic unit for mixing-head control
- Mixing head with hose package
- Small, compact machine base frame

Options

- Tank heating with heating cartridges
- Pump drive with frequency converter (closed loop)
- Magnetic coupling on the metering pumps
- Edge filter in the suction line
- High-pressure filter
- Heat exchanger in the return line
- Low-pressure bypass valves
- Barrel pumps
- Mixing head outrigger (radius 2.2 m and 3 m) on the base frame
- Compressor cooling unit

Technical data

EcoStar	8/8	16/16	16/40 or 40/16	40/40
Total flow rate in rpm at MV 1:1 at 1,450 min and 50 Hz	2-16 liters/min or 260 g/s max.	4-32 liters/min or 520 g/s max.	6-48 liters/min or 885 g/s max.	8-74 liters/min or 1,250 g/s max.
Raw material hopper	2 x 100 l or 2 x 250 l			
Installed capacity (without cooling unit)	23 kW	30 kW	38 kW	46 kW
Processable viscosities of the components	20 – 2,000 mPas			
Base frame dimensions (without outrigger)	[L x W] 3,100 x 2,200 mm			
Total weight (without liquids)	1,750 kg	1,800 kg	1,850 kg	1,900 kg

A selection of tried-and-tested linear and transfer mixing heads from the KraussMaffei product family is available for every EcoStar machine.

Your advantages:

- Low space requirements, easy transport and quick commissioning thanks to a compact design
- Easy and clearly arranged operation thanks to the KTP400 Comfort control panel from Siemens
- Significantly increased service life of the custom-developed and manufactured metering pumps from KraussMaffei
- Optimum material conditioning thanks to double-walled raw material hoppers
- High process stability thanks to flow meter
- Excellent mixing quality thanks to self-cleaning linear and transfer mixing heads