

High process security

Application areas

- Coating
- Encapsulating
- Sealing
- Rapid-Prototyping
- Gluing

Function

Pressure vessels are used to supply the material into the three phase asynchronous motor driven gear pumps where they are proportioned at the pre-selected ratio. Each gear pump is protected against over pressure as standard. The eldomix is fitted with a metering computer with touch screen terminal and a static mixing system that includes a 2K valve combined with a disposable static mixer. Should mixed material be allowed to cure in the mixer, it can be replaced simply and inexpensively, thus avoiding a time consuming, expensive and environmentally damaging flushing cycle.

Industries

These modern metering systems can be used in any industry where materials need to be applied in a high precision and repeatable way.

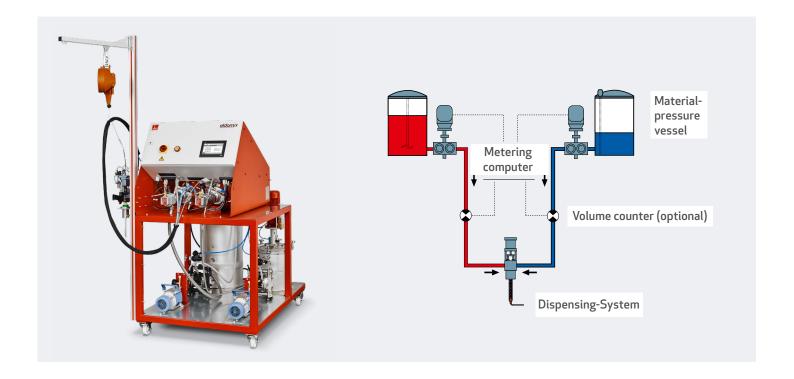
- Automotive
- Electrical and electronic
- Renewable energy
- Aerospace
- White goods
- and many more

Features and benefits

- Variable mixing ratio
- Variable output rate
- Compact bench top machine (eldomix 100)
- Simple operation
- Shot dispensing or continuous flow
- Over/under pressure protection
- Solvent free



eldomix 100

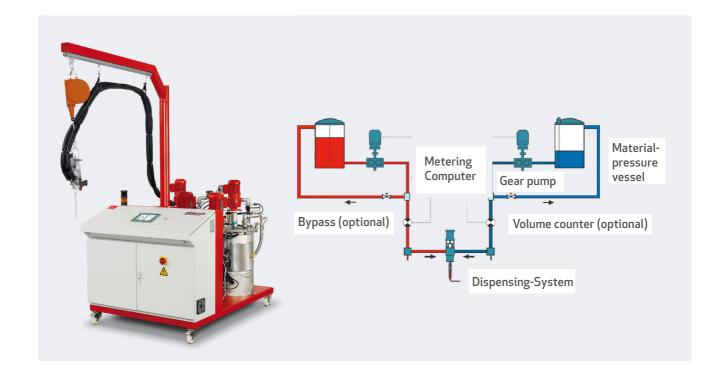


The eldomix 100 is a solvent free gear metering and mixing system, used to handle low to medium viscosity multi component media such as epoxy resins, polyurethanes or

silicones with mixing ratios between 100:100 and 100:5. Special configurations to process high viscosity media are also available.

Flow rate	2 ml to 1.2 l / min, depending on mixing ratio and viscosity
Mixing ratio	100 : 100 to 100 : 5, by volume
Maximum working pressure	100 bar max.
Mixing system	Static or static-dynamic mixing system
	2K valveDisposal static mixer
Material supply	Bench top version: Pressure vessels 4, 12 or 24 l
	Welded frame: Pressure vessels up to 45 l, larger on demand and / or drum pumps
Viscosity range	50 to 80,000 mPa s, with pressure vessel
	over 150,000 mPa s, with drum pumps
Material characteristics	Unfilled, filled, abrasive
Power supply	400/230 VAC 3/N/PE / 50/60 Hz
Maximum air inlet pressure	6 bar max.
Dimensions	Bench top version: from 810 x 790 x 1,000 mm
	Welded frame: from 1,000 x 1,740 x 1,610 mm
Weight	Bench top version: from 200 kg
	Welded frame: from 400 kg

eldomix 600



The eldomix 600 is a solvent free gear metering and mixing system, used to handle low to medium viscosity multi component media, such as epoxy resins, polyurethanes or

silicones. Special configurations to process high viscosity media are also available.

Flow rate	2 ml to 5 l / min, depending on mixing ratio and viscosity
Mixing ratio	100 : 100 to 100 : 5, by volume
Maximum working pressure	100 bar max.
Mixing system	Static or static dynamic mixing system 2K valve Disposal static mixer Dynamic mixing system
Material supply	Pressure vessels 12 to 90 l, larger on demand and / or drum pumps
Viscosity range	50 to 80,000 mPa s, with pressure vessel up to 150,000 mPa s, with drum pumps
Material characteristics	Unfilled, filled, abrasive
Power supply	400/230 VAC 3/N/PE / 50/60 Hz
Maximum air inlet pressure	6 bar max.
Dimensions	from 1,200 x 1,150 x 1,400 mm
Weight	from 600 kg

Equipment

eldomix 100

Standard

Bench top version

12 l stainless steel pressure vessel

Gear pump with over pressure-protection

Three phase asynchronous motor

Static mixing system

- 2K valve
- disposable static mixer

Metering computer with realtime Multitasking Operating System (64 programs be stored as standard, including 32 programs via external selection)

7" colour touch screen terminal

Optional

Welded frame on wheels

Modular machine setup

Extension arm with balancer

Pressure vessel with

- level control
- agitator
- automatic refill
- connection for vacuum pump

Material supply through drum pumps

Additional wear protection for the gear pumps

Controlling or regulation of mixing ratio and output rate through volume counters

Static-dynamic mixing system

with mixer element monitoring

Start/stop trigger via handle grip or foot switch

Manual or automatic circulation

Regeneration position

Heating

eldomix 600

Standard

Chassis with castors

12 l stainless steel pressure vessel

Gear pump with over pressure-protection

Three phase asynchronous motor

Static mixing system

- 2K valve
- disposable static mixer

Metering computer with realtime Multitasking Operating System (64 programs be stored as standard, including 32 programs via external selection)

9" colour touch screen terminal

Optional

Larger mobile chassis, also with integrated retention pond

Modular machine setup

Extension arm with balancer

Pressure vessel with

- level control
- agitator
- automatic refill
- connection for vacuum pump
- automatic vacuum evacuation

Material supply through drum pumps

Additional wear protection for the gear pumps

Pump drive through servo motors

Controlling or regulation of mixing ratio and output rate through volume counters

Static-dynamic mixing system

with mixer element monitoring

Dynamic mixing system

Start/stop trigger via handle grip or foot switch

Manual or automatic circulation

Regeneration position

Heating or tempering



DOPAG is one of the leading manufacturers of metering and mixing technology. In numerous industries, DOPAG systems and components are used for processing and application of multi-component polymers or 1-component media such as adhesives, greases and oils. The company employs more than 300 people and is represented in more than 30 countries by its subsidiaries and distributors.

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