



METER · MIX · DISPENSE

eldomix 100 / 600

FOR THE PROCESSING OF LOW TO
HIGH VISCOSITY MATERIALS



High process security

Application areas

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

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.

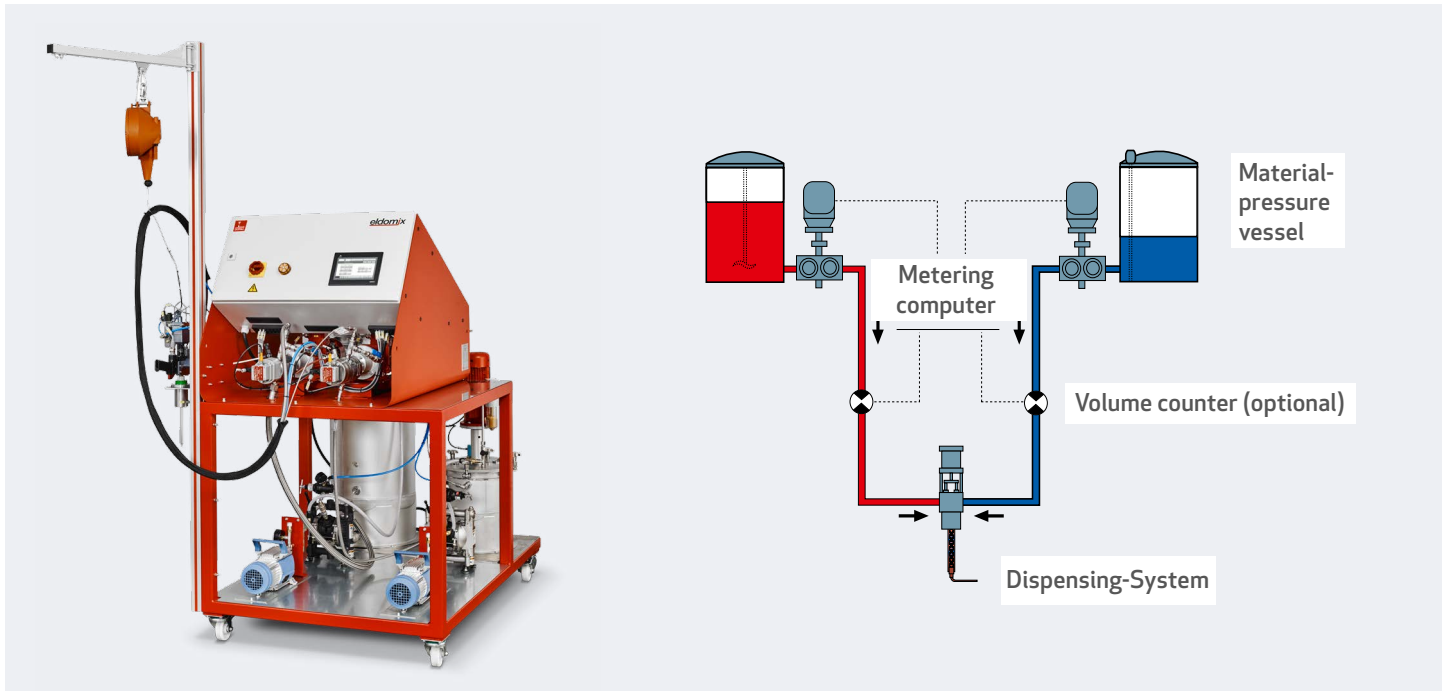
- Automotive
- Electrical and electronic
- Renewable energy
- Aerospace
- White goods
- and many more

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

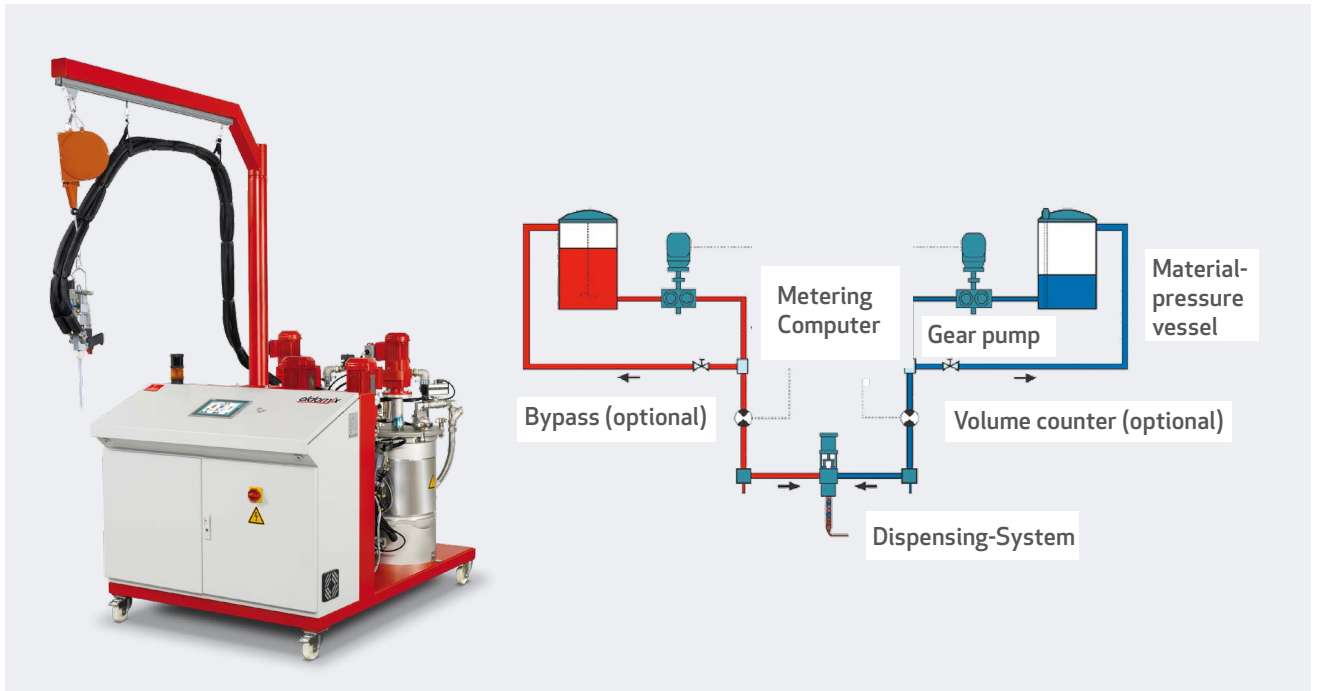


The eldomix 100 is a solvent free gear metering and mixing system, used to handle low to medium viscosity multi component media such as epoxy resins, polyurethanes or

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 <ul style="list-style-type: none"> ▪ 2K valve ▪ Disposal 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

eldomjx 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

eldomjx 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.

DOPAG is a member of the HILGER & KERN GROUP that has been a reliable supplier and service partner for industrial enterprises across various market segments for more than 90 years.

Worldwide sales and service



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