



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.

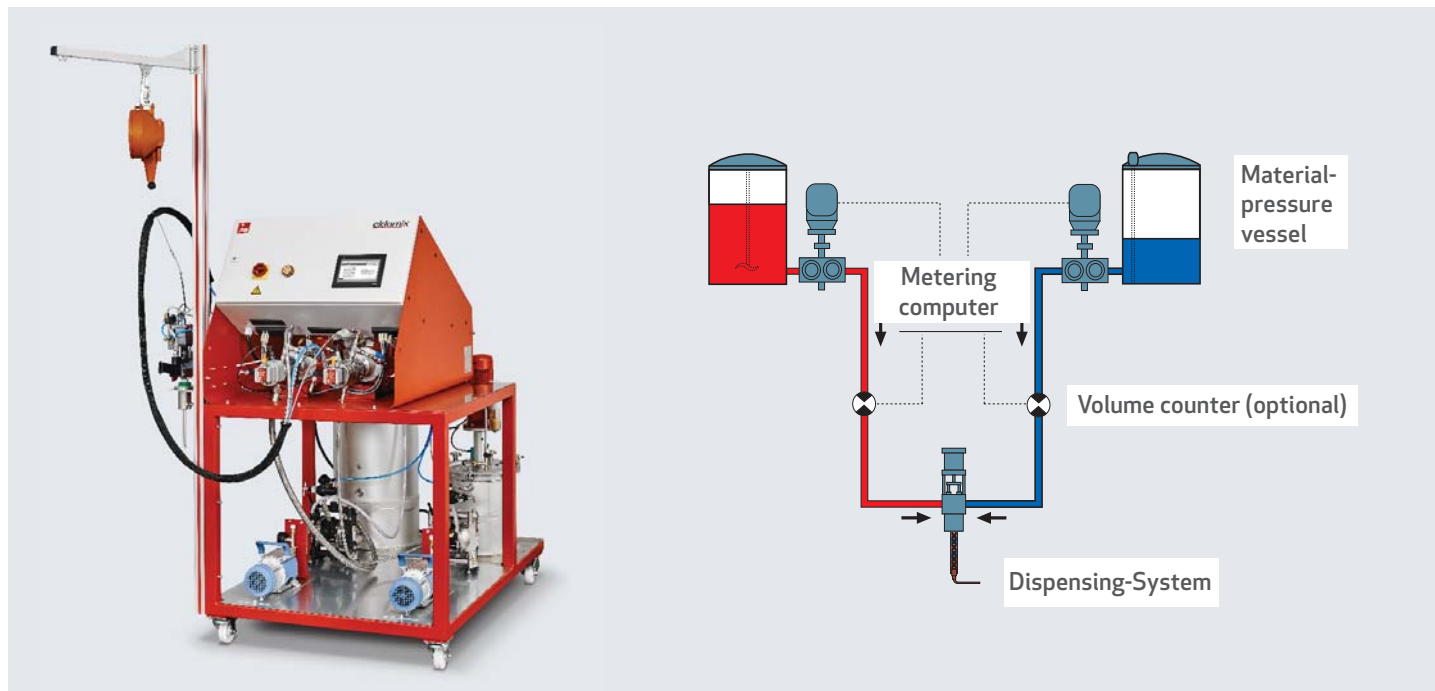
- Automotive
- Electrical and electronic
- Renewable energy
- Aerospace
- White goods
- and many more

## 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

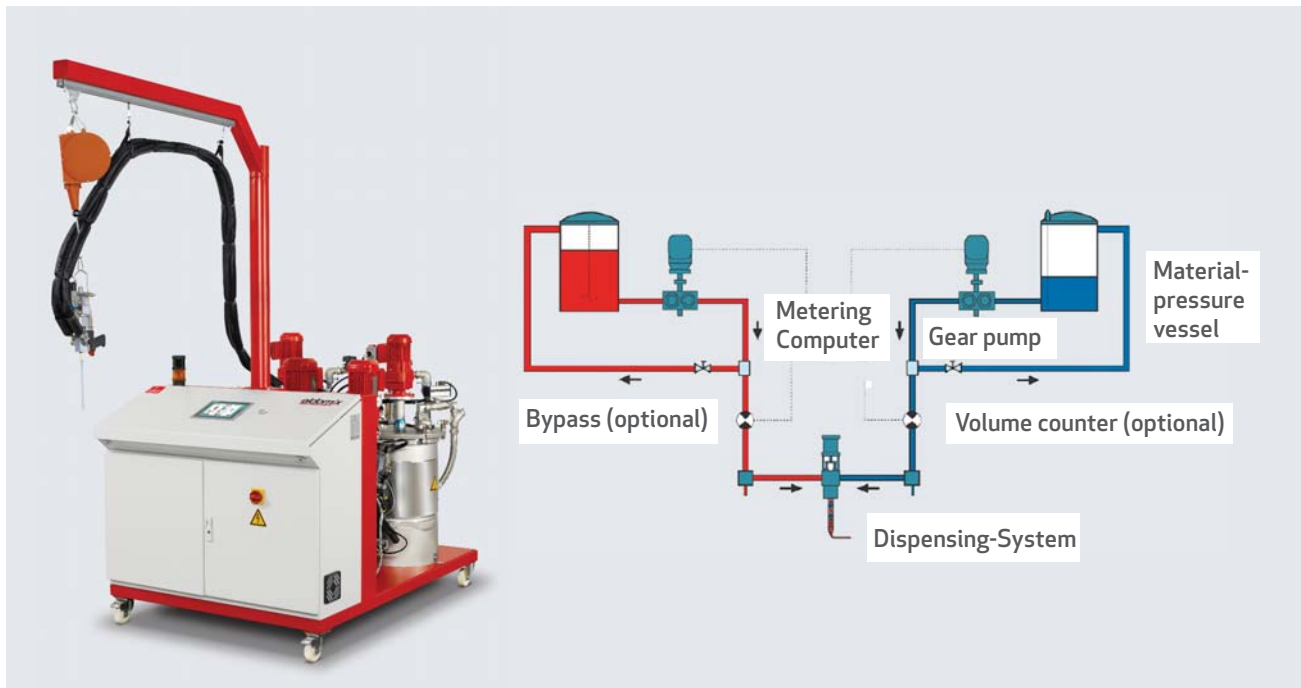


The eldomix 100 is a solvent free gear metering and mixing system, used to handle low to medium viscosity multi component media such as epoxy resins, polyurethanes or

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

<b>Flow rate</b>	2 ml to 1.2 l / min, depending on mixing ratio and viscosity
<b>Mixing ratio</b>	100 : 100 to 100 : 5, by volume
<b>Maximum working pressure</b>	100 bar max.
<b>Mixing system</b>	Static or static-dynamic mixing system <ul style="list-style-type: none"> <li>▪ 2K valve</li> <li>▪ Disposal static mixer</li> </ul>
<b>Material supply</b>	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
<b>Viscosity range</b>	50 to 80,000 mPa s, with pressure vessel over 150,000 mPa s, with drum pumps
<b>Material characteristics</b>	Unfilled, filled, abrasive
<b>Power supply</b>	400/230 VAC 3/N/PE / 50/60 Hz
<b>Maximum air inlet pressure</b>	6 bar max.
<b>Dimensions</b>	Bench top version: from 810 x 790 x 1,000 mm Welded frame: from 1,000 x 1,740 x 1,610 mm
<b>Weight</b>	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.

<b>Flow rate</b>	2 ml to 5 l / min, depending on mixing ratio and viscosity
<b>Mixing ratio</b>	100 : 100 to 100 : 5, by volume
<b>Maximum working pressure</b>	100 bar max.
<b>Mixing system</b>	Static or static dynamic mixing system <ul style="list-style-type: none"> <li>▪ 2K valve</li> <li>▪ Disposal static mixer</li> </ul> Dynamic mixing system
<b>Material supply</b>	Pressure vessels 12 to 90 l, larger on demand and / or drum pumps
<b>Viscosity range</b>	50 to 80,000 mPa s, with pressure vessel up to 150,000 mPa s, with drum pumps
<b>Material characteristics</b>	Unfilled, filled, abrasive
<b>Power supply</b>	400/230 VAC 3/N/PE / 50/60 Hz
<b>Maximum air inlet pressure</b>	6 bar max.
<b>Dimensions</b>	from 1,200 x 1,150 x 1,400 mm
<b>Weight</b>	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
<ul style="list-style-type: none"><li>▪ 2K valve</li><li>▪ disposable static mixer</li></ul>
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 <ul style="list-style-type: none"><li>▪ level control</li><li>▪ agitator</li><li>▪ automatic refill</li><li>▪ connection for vacuum pump</li></ul>
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 <ul style="list-style-type: none"><li>▪ with mixer element monitoring</li></ul>
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
<ul style="list-style-type: none"><li>▪ 2K valve</li><li>▪ disposable static mixer</li></ul>
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 <ul style="list-style-type: none"><li>▪ level control</li><li>▪ agitator</li><li>▪ automatic refill</li><li>▪ connection for vacuum pump</li><li>▪ automatic vacuum evacuation</li></ul>
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 <ul style="list-style-type: none"><li>▪ with mixer element monitoring</li></ul>
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



### **GERMANY, Mannheim**

Tel.: +49 621 3705 - 500  
info@dopag.de  
www.dopag.de

### **FRANCE, Valence**

Tel.: +33 4 75419060  
contact@dopag.fr  
www.dopag.fr

### **CHINA, Shanghai**

Tel.: +86 21 3368 7775  
office@dopag.cn  
www.dopag.cn

### **GREAT BRITAIN, Droitwich**

Tel.: +44 1299 250740  
uksales@dopag.co.uk  
www.dopag.co.uk

### **SWITZERLAND, Cham**

Tel.: +41 41 7855 - 757  
info@dopag.ch  
www.dopag.ch

### **ITALY, Alpignano**

Tel.: +39 011 9348888  
info@dopag.it  
www.dopag.it

### **INDIA, Bangalore**

Tel.: +91 80 4092 7888  
info@dopag.in  
www.dopag.in

### **USA, Erlanger, KY**

Tel.: +1 859 918 5690  
ussales@dopag.com  
www.dopag.us

Please find your local contact and more contact details on our website:

[www.dopag.com/contacts](http://www.dopag.com/contacts)