Feige FILLING

PAIL FILLING EQUIPMENT ELEMENTRA® 24

ELEMENTRA® 24

The ELEMENTRA® 24 is the central component of a filling line. Various accessories combined with extensive conveyor systems help increasing its economy and efficiency.

The new FEIGE web HMI with touch screen offers an intuitive design for high operating comfort. This FEIGE ePOWER equipment version is particularly efficient, with pneumatically driven components being designed electrically, thus saving cost-intensive compressed air.

FEIGE ePOWER
= Electric base height adjustment and lifting unit

1 Lifting unit

- Sturdy double-acting pneumatic actuator or servo motor with threaded spindle
- No compressed air or power supply – no lowering of valve (passive brake)
- Special design for aggressive products
- With-surface filling possible

2 Base height adjustment

- With continuously adjustable base height adjustment via spindle and hand wheel or motor-driven for changing over to different container heights

3 Pneumatic actuator for opening and closing the filling valve

- 2-stage push-type for coarse fill and adjustable fine fill
- Stainless steel quick-change holder of filling valve for quick replacement of the valve with lance

4 Fill level and status indication

- Interactive operation by means of LED display in the control box door
- Weight-controlled fill level indicator

5 Web HMI

- Alarm-related help texts with photos, videos and comment function
- Intuitive design
- Operation like a smartphone
- 15.6" multi-touch screen
- Full HD display
- Comprehensive management of recipes and orders
- FDA-compliant user administration
- Logbook (optional)
- Web-based system

6 Large control box

- High flexibility due to machine control S7-1500
- Integrated pneumatic control

7 Stainless steel/acid protection coating

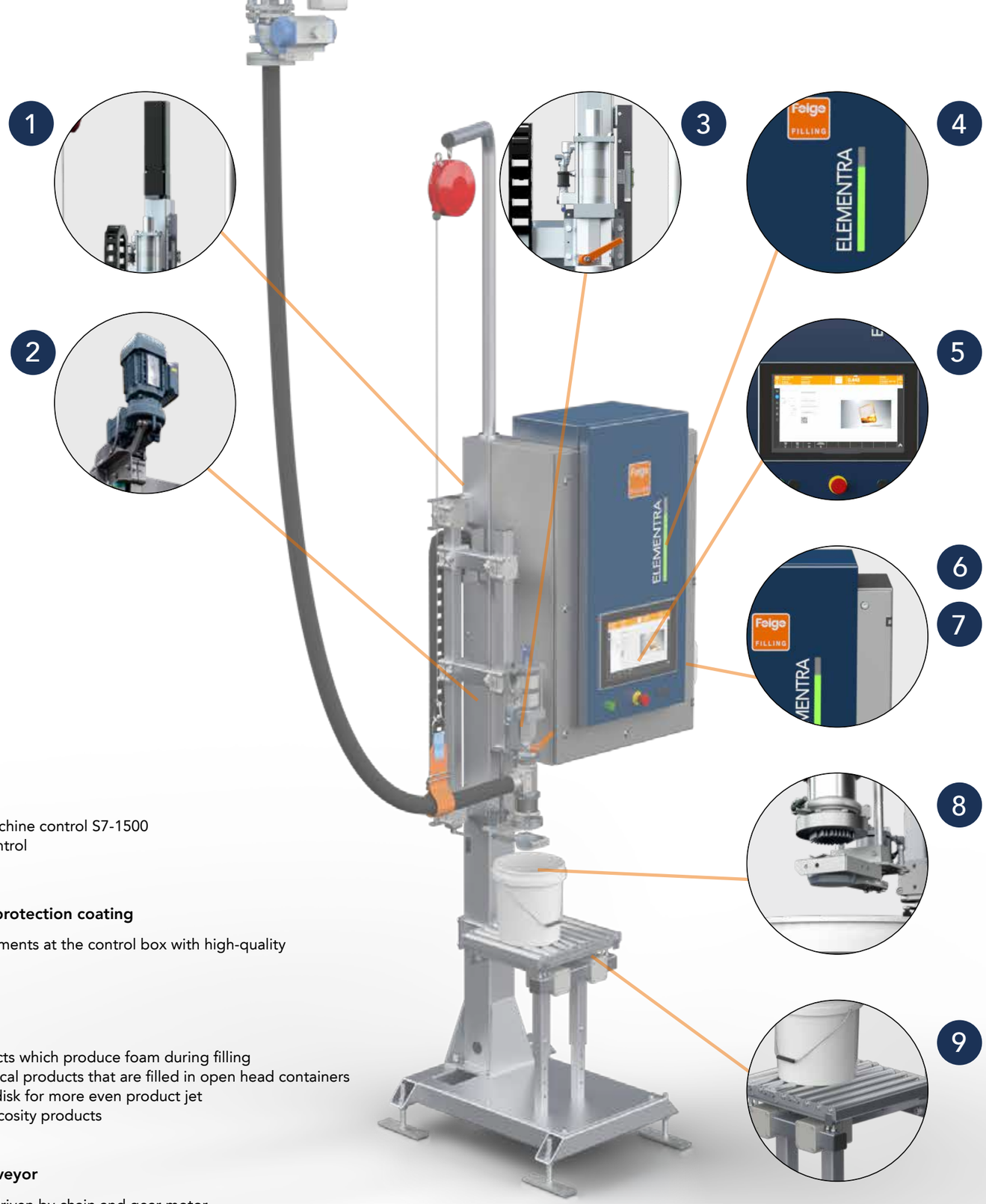
- Stainless steel design elements at the control box with high-quality acid protection coating

8 Filling modes

- Below-surface, for products which produce foam during filling
- Above-surface, for uncritical products that are filled in open head containers
- Optionally, with diffuser disk for more even product jet
- With-surface, for high-viscosity products

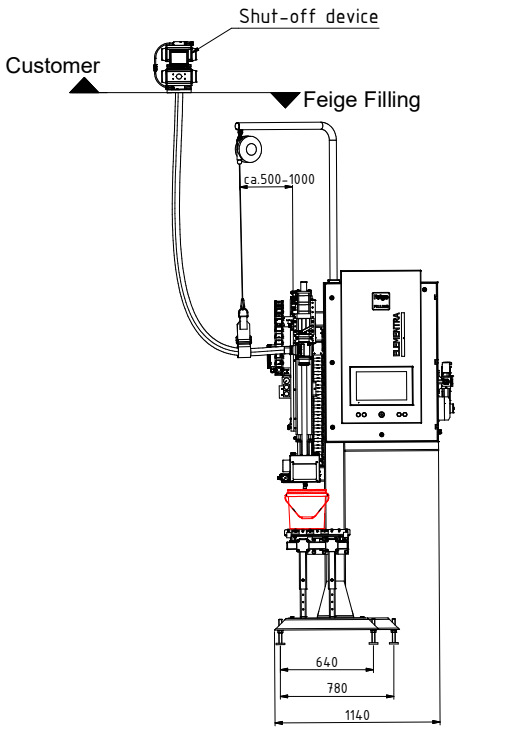
9 Container roller conveyor

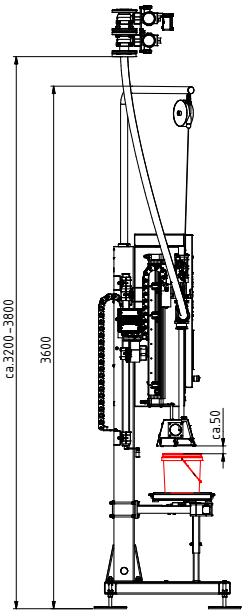
- Non driven or all rollers driven by chain and gear motor
- Ergonomic further transport of filled pails

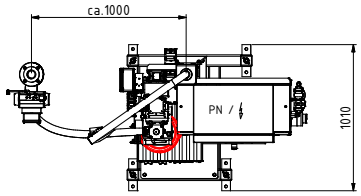


* Fig. includes special equipment

VERSION







Configuration example
(Specifications in mm)

TECHNICAL DATA

Power supply and Performance data	Degree of protection	IP55
	ATEX marking	⟨Ex⟩ II 2G Ex h IIB T3 Gb
		230V or 3 ~ 400V, 50Hz
	Basic machine	0.5 kVA
	Electric lifting unit	0.75 kVA
	Motor-driven base height adjustment	0.25 kVA
Air pressure:		5 bar g dynamic
Air consumption	Pneumatic lifting unit	30 standard litres/pail for below-surface filling
	Electric lifting unit	2 standard litres/pail for below- and with-surface filling
		2 standard litres/pail for above-surface filling
Ambient temperature		+5 to + 35°C, optional 0 to 55°C with heating and air conditioning unit
Product temperature		0 to 130°C
Nominal output		up to 400 pails/h depending on product flow
Weighing ranges approved for verification		0.5 to 6 kg - increment 0.002 kg, to 15 kg - increment 0.005 kg
		2.5 to 15 kg - increment 0.005 kg, to 30 kg - increment 0.01 kg
		10 to 30 kg - increment 0.01 kg, to 60 kg - increment 0.02 kg
		0.5 to 6 kg - increment 0.002 kg, to 15 kg - increment 0.005 kg to 30 kg - increment 0.01 kg
		2.5 to 15 kg - increment 0.005 kg, to 30 kg - increment 0.01 kg to 60 kg - increment 0.02 kg
Weight		Approx. 300 kg, according to version
Product connection		Feige square flange, wide range of product hose selection
External control	Dry contacts	2 (coarse/fine)
	Analogue signal	4-20mA (for product pump or pilot valve)