

Aluminum tube filling and crimping machine

NTA-400A



Design example - subject to alterations

Machine used for filling of aluminum tubes with creams, gels or other dense fluids, crimping (closing) them and coding.

The machine works in fully automatic mode.

ALUMINUM TUBE PARAMETERS



Tube diameter	ø 13.5–50 mm
Tube height	up to 250 mm
Tube crimping (closing)	double fold
Tube coding	single sided or none



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KEY FEATURES

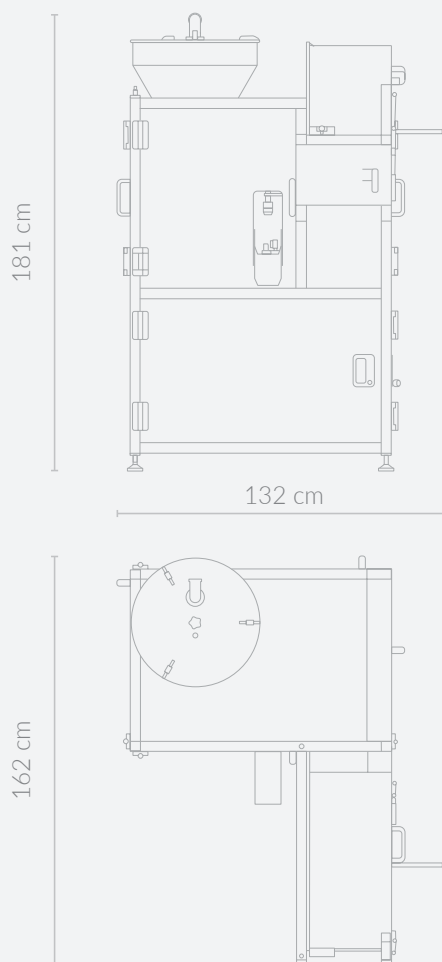
- ▲ Suitable for aluminum tubes of a wide range of dimensions and with various cap shapes
- ▲ Tube cassette magazine feeder
- ▲ 8 station rotary indexing
- ▲ 40 liter hopper with lid

MACHINE COMPONENTS

- ▲ Stainless steel AISI 304 construction
- ▲ Contact parts from AISI 316 stainless steel
- ▲ Mitsubishi Electric PLC and touch screen
- ▲ Mitsubishi Electric servodrive
- ▲ CKD, Camozzi, Metal Work, Festo and Valbia pneumatic elements

OPTIONAL EQUIPMENT

- ▲ Automatic hopper fill level control
- ▲ External pump for dense fluids
- ▲ Pneumatic mixer with auger (Festo)
- ▲ Jacketed hopper – enables heating of product
- ▲ Vacuum station – for removal of dust/dirt from tube
- ▲ Network router – enables remote support



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PROCESS PARAMETERS	Machine output (speed)	up to 35 tubes per minute
	Dosing volume (cylinder of filling device)	a. 3-20 ml; b. 20-80 ml; c. 40-150 ml; d. 65-260 ml
	Filling accuracy error	<±1% of volume
LEVEL OF AUTOMATION	Feeding of tubes	automatic
	Tube orientation	automatic
	Vacuum cleaning of tubes	automatic (option)
	Heating of product	automatic (option)
	Mixing of product	automatic (option)
	Filling of tubes	automatic
	Closing (crimping) of tubes	automatic
	Coding of tubes	automatic
	Control of hopper fluid level	automatic (option)
	Refilling of hopper	automatic with external pump (option)
DEVICE PARAMETERS	Tube ejection	automatic
	Machine dimensions	162 × 132 × 181 cm
	Net machine weight	~360 kg
	Power supply	a. 220-240 V, 1.5 kW; b. 110-120V, 1.5 kW
	Air pressure required	0.6 MPa
	Compressed air consumption	up to 500 l/min



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