



PREY

SEM Electrical Fire Hose Coupling Binding Machine



The original!!! Neither can it similarly reliable, safe or just as well, not to speak of better. The SEM is the first hose coupling binding machine with a resting hose which wraps the wire around the coupling and does not rotate the hose together with the coupling in the wire and thereby twist it helically.

The Hose-Coupling-Binding-Machine of PREY- short SEM - is the most compact of its kind and available in different versions as a mobile or stationary device. It is delivered ex works either with moving table, a conventional workbench or for installation on existing local workbenches and maintenance streets.

Basis of this automation was the invention and development of the unique binding process by PREY in 1994 in which the wire is rotated by the binding arm to the resting hose and not the hose itself is rotated in the wire.

Until that time, pressure and suction hoses were turned about 10 to 30 times depending on the windings on large rotating rotary supports or hose reel discs to compensate the rotation and twist the frictional resistance of the hose. As a result of this operation frame sizes of up to 2 m width were required; binding machines could not be built on conventional workbenches and maintenance streets.

With the development of the SEM PREY has corrected these shortcomings entirely. Particularly labor and use safety aspects and ease of use have been placed in the foreground. The binding wire is held under a constant tension by a specially developed device to optimize the winding result.

The SEM is the most sold mobile unit of our product range. References in London, Rome, Lisbon, Helsinki, Brussels, Hong Kong and many other countries all over the world speak for itself ... unless you want to convince yourself personally at our customers' premises!

The basic model measures just 550 x 500 x 530 mm (width x length x height) and weighs 75 kg. To meet the application needs of every user, PREY offers besides the basic model three variants of the SEM:

- ▶ The basic model : SEM
- ▶ The model **workbench** : SEM-WB
- ▶ The model **moving table** : SEM-FT
- ▶ The model **maintenance street** : SEM-PS

The basic model and all other models include:

- ▶ gear assembly with casing and table bolts.
- ▶ system axis for chuck and hub
- ▶ 3-jaw chucks 110mm/75mm/45mm/25mm and wire clip.
- ▶ 2 chuck jaw for 110mm to 45mm- and 25mm-couplings.
- ▶ turntable as wire reel with wire clamping arm and wire guiding roller.
- ▶ key switch on/off according to the regulations UVV.
- ▶ foot switch left/right according to the regulations UVV with cable ready for use.
- ▶ electrical feed 3 x 1,5 mm² with SCHUKO plugs 230 V * 50 Hz * 16 A.
- ▶ tool holder with:
 - locking-ring.remover, wire engaging pin, jew chucks key, special-combi-hammer-pliers, wire-clampink-key.
- ▶ 1 wire-reel with 1,4 mm wire, stainless stell.
- ▶ 1 wire-reel with 1,8 mm wire, galvanized.

The workbench model:

Probably the most consistent form of the application of the SEM in a hose maintenance workshop is stationary workbench version, type SEM-WB. Combined with a vulcanizer, a pivoting, height-adjustable vice, a hanging drawer block and an electrical and compressed air supply strip the basic model allows a highly efficient and transparent use, mounted on a standard workbench with dimensions of just 2000 x 700 x 1230 mm (width x depth x height) and thus in a confined space.

This model optionally includes additional to the basic version:

- ▶ a system-workbench
- ▶ a hanging drawer block.
- ▶ a electric supply strip.
- ▶ a parallel vice.
- ▶ a pivoting, height-adjustable vice
- ▶ a vulcanizer with accessories
- ▶ a 110mm-suction-hose-holder pluggable.

The moving table model:

The most commonly application form is the mobile moving table version, SEM FT. Despite the very small dimensions of 800 x 700 x 1230 mm (width x depth x height) and the relatively low weight of 125 kg, this model is designed extremely sturdy and stable. The mobile design permits an easy and simple shifting of the binding machine. The compact dimensions also allow to operate the mobile version in a confined space. The SEM-FT is ready for operation supplied with 230V power supply.

This model includes additional to the basic version:

- ▶ a universal framewok made of stainless steel-profile 40x40
- ▶ two fixed and two steering rollers with breaks
- ▶ a multiplex-tabletop 800 x 700 x 50 mm.
- ▶ a UVV-foot switch in fixed installation.
- ▶ a connection cable-holding device.
- ▶ a 110mm-suction-hose-strut extensible.



The maintenance street model:

In applications in due of lack of space neither a mobile table nor a workbench can be accommodated, the maintenance street model is often mounted on hose maintenance streets.

This model is mounted on the end of a hose maintenance street to repair the stretched hoses which were hanged down from the towe for the purpose of systematic work sequence with subsequent pressure test and suspension for internal-drying. By many hose maintenance street types there is no standard for this application. The connection constructions often have to be adjusted in one-off production.

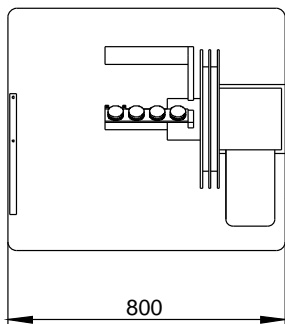
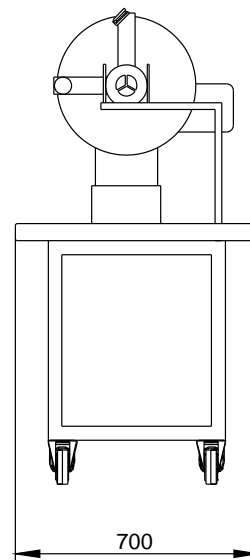
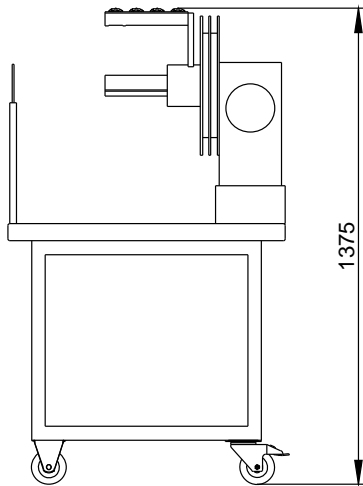
This model includes additional to the basic version:

- ▶ a specially adapted connectivity design are produced individually for the respective application

Technical specifications:

Order number:	1-006-060210
Indication:	Fire Hise Coupling Binding Machine
Typ:	SEM
Measurement:	500 x 550 x 530 (BxLxH)
Weight:	75
Connected load:	230V AC / 50Hz / 0,25kW / 16A
Capacity	
- hose size:	110mm / 75mm / 45mm / 25mm
- hose length:	unrestrcited
- hose material:	hose material
Fuctions:	Binding

Operating Mode:	Operating Mode
Type of installation:	mobile
Combination with:	any hose maintenance street workbench
Standard equipment:	remote control



Technische Details

Netzwasseranschluss:	nicht benötigt	Stromanschluss:	AC / 230 V / 16 A / 50 Hz
Gewicht:	75 kg	Leistung der Leitung:	0,25 kW

Schlauch-Einbinde-Maschine