



OBSA MTC INDUSTRIE SRL

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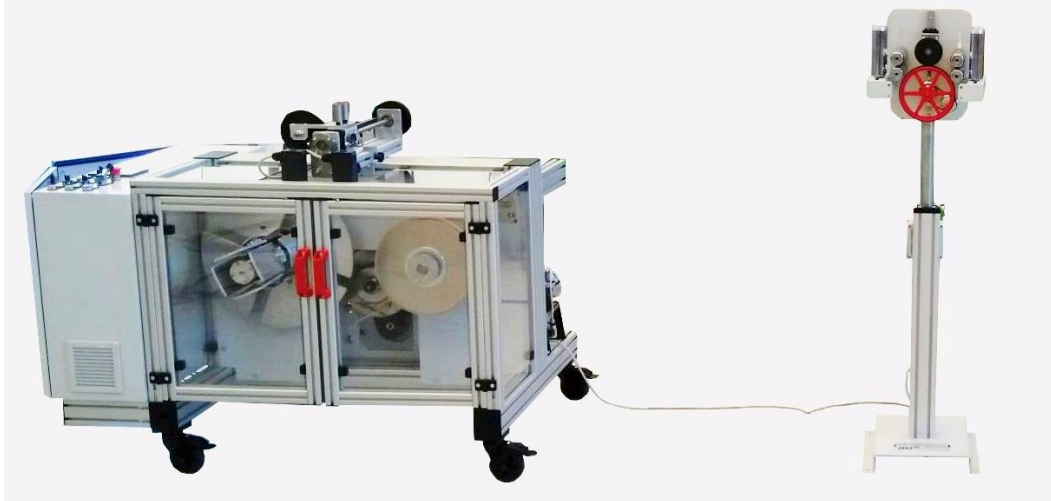
I-23848 Oggiono (Lecco) -ITALY-

VAT/Tax Number 03472450133

Registration Number 317717

HS CODE 84794000

SEMIAUTOMATIC COILING AND WINDING MACHINE MODEL MB450S



- compact and cheap solution
- designed to fulfil a wide variety of different coil and bobbin confections
- very simple operating processes.
- digital touch panel easy to interpret
- It built in full compliance with the directive of the EC Declaration 2006/42.
- The frame is entirely composed of high-strength aluminum sheets completely anodized in natural color, with a homogeneous matt surface, resistant to scratches and corrosion in a lasting way, capable of absorbing vibrations.
- It is frontally open to facilitating any type of operation.
- All components are easily removable and completely recyclable
- compact dimensions: length 1100mm, width 900mm, height 1050mm
- It movable by to four swivel wheels with locking system.

COMPOSITION:

- base that ensures perfect operational stability
- machine body which houses the following units:
 - the mechanical wire guide unit type UHING, which all allows the coils to be evenly distributed
 - the reel holding shaft assembly complete with accessories for inserting and fixing reels
 - the mandrel group on which the form is housed
 - the mechanical opening device for the form
 - the braking unit consisting of disc brakes which allow immediate stopping in case of wire breakage and automatic brake at the end of the process synchronized with the reel unwinding stand.
 - On the front of the machine there are shockproof protective doors in transparent polycarbonate, which allow the operations of opening, closing and inspection of the machine; the correct closing of the doors is guaranteed by sensors the sensors that detect the open door and line interruption in case of opening in motion.
 - Other transparent polycarbonate shockproof protection panels are fixed on the sides of the machine.
 - On the rear side, a protective casing is mounted where the entire transmission unit of the machine is housed.
 - the electrical panel is on board the machine, it is complete with inverter; mini PLC; appropriate electrical components; command button panel; manual potentiometer that regulates the speed and ramp phases of the pay-off unit; digital touch display to show the reached winding meters and the production speed.
- separated meter counter with an incremental encoder



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AUTOMATIC DEVICES

- machine stop when the set size is reached

SEMI AUTOMATIC DEVICES OPERATED WITH BUTTONS

- opening the coiling form
- closing the coiling form
- start to machine

EXPECTED MACHINE ADJUSTMENTS

- increases decreases (winding speed)
- increases decreases (pneumatic braking)
- Setting of meter counter
- Setting mechanical lay-length wire guide

ELECTRIC AND ELECTRONIC EQUIPMENTS:

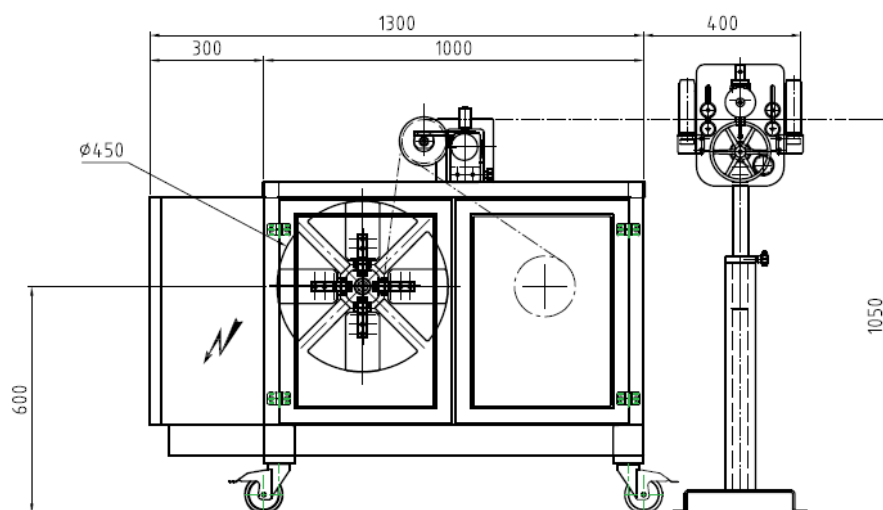
- small electrical cabinet on board the machine with first class electrical components
- command button panel with start and stop button, manual potentiometer that regulates the speed and ramp phases of the pay-off unit; digital touch display to show the reached winding meters and the production speed.
- meter counter with an incremental encoder

WORKING:

The operator takes the cable from its pay-off unit, first inserts it into the meter counter, fixes it on the form or head of the coiling machine, he sets the desired size of the winding meters and he begins the production.

When the size of the winding meters has been reached, the machine stops automatically, so the operator can block the cable and cut it, he tie the skein that has formed, extract it manually from the form and place it on its own conveyor belt or in its own collection basket and begin the packaging operations of the finished skein using its own oven for heat-shrinkable nylon.

About the winding on small reels, the processing phases are almost the same, all always done manually, in this case the cable is winded on empty reels housed in this appropriate station.





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Usually the semiautomatic coiling and winding machine MB50S is used in a small line production



- The MB450S machine can be easily combined with any type of motorized and non-motorized pay-off with pneumatically controlled tensioning system.
- A dancer accumulator is not necessary

A manual potentiometer allows you to adjust the speed and ramp phases of the pay-off

- Digital meter counter with incremental encoder
- Manual extraction of the finished coils and the full reels

Optional:

- is possible the electronic regulation of the speed and ramp phases of the pay-off unit by a specific PLC