

DROUAIRE

L'EXCELLENCE POUR VOS CâBLES

BOBICAB 3R



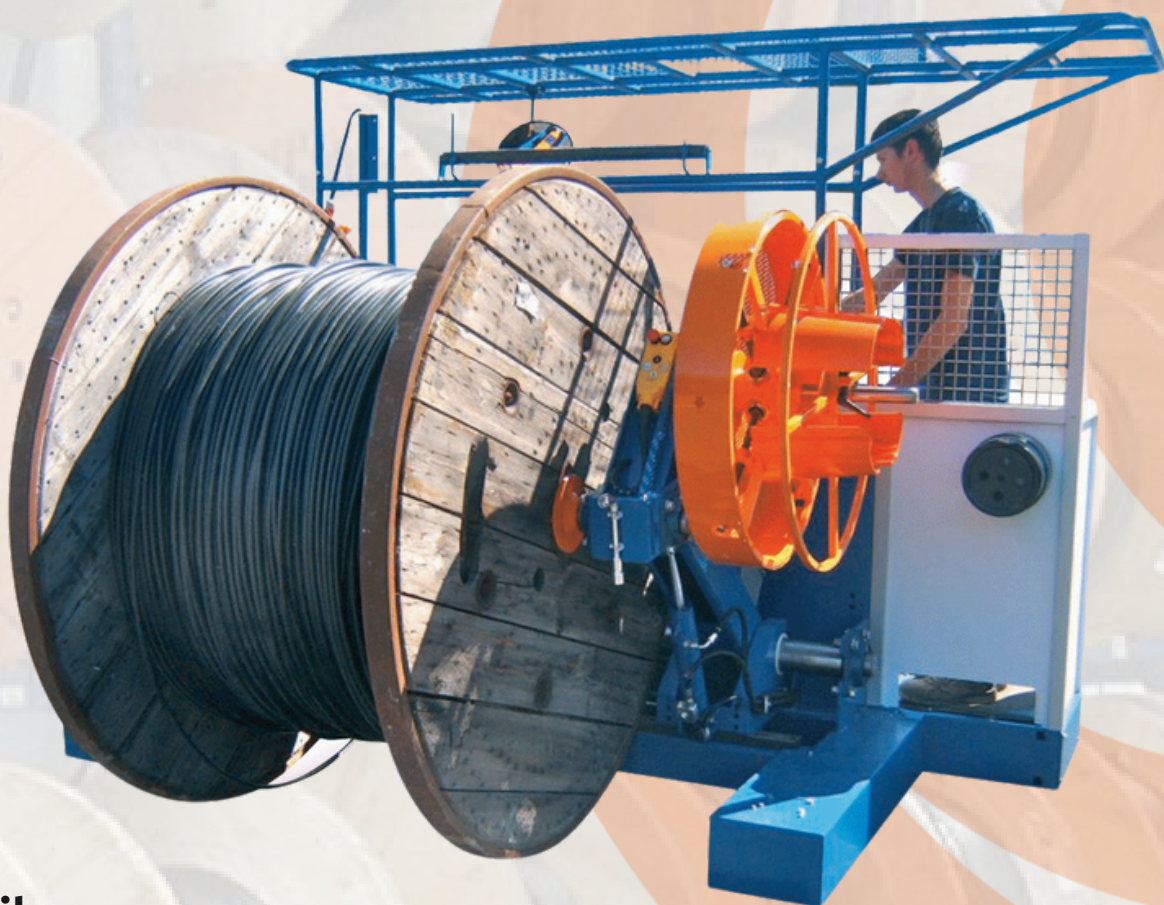
**Made in
FRANCE**



**Certified
Compliant**



**MID
Approval**



**Winding on coils
Winding on reels Ø1650**

More info

www.drouaire.com



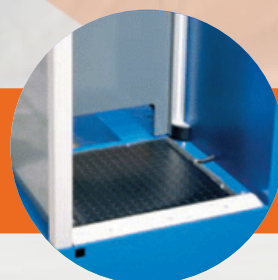
**Handling
of the reels**



**Layering
unit**



**Ergonomic
control console**



**Presence
sensing mat**

Winder for cable drums Ø 1650 max. and coils

Designed for intensive use on logistics platforms.
For the storage of flexible cables Ø 60 max.
Quick change for storage on coiling heads or cable drums.

BOBICAB 3R

Presentation

- Wide, compact, mechanically-welded chassis fitted with 4 wheels, including 1 steering wheel and 2 pivoting wheels.
- Motorised movement on steerable wheels.
- Protected user platform.
- Fully automatic ground locking mechanism.
- The two arms supporting the cable drum and coiling wheel can be raised, lowered, tightened and untightened using hydraulic jacks.
- Hydraulic system and electrical cabinet integrated on the chassis.
- Drum held between points driven by a rubber plate.
- Fixed coiling head with separate motor, no dismantling required.
- Easy-to-use 4,3" color HMI.
- Protective cradle shielding the user and the machine in case of cable drums falling from the storage rack.

Lateral movement using steerable wheels

Allows the machine to be moved laterally and in a line in front of the racks.

- Improved deviation radius: possibility of turning 90° easily.
- Using the gear motor with progressive start and assisted steering.
- 1 protected platform allows the operator to move with the machine.
- Unit mounted on wheels, so no need for a guide rail at ground level.
- Safe movement by presence sensing mat for user to move the R Series BOBICAB III.
- Indicators : flash and horn.

Coiling head with separate motor

- Coils on easy-to-use coiling head.
- Internal diameter : 350 mm
- Outer diameter : 900 mm (flanges)
- Adjustable width from 50 to 250 mm.
- Max. weight : 80 kg.
- Conical, cut-out pillar for tying.
- Quick cable-blocking mechanism with jam cleat, under a spoke on the coiling head.
- Movable external flange, quick to dismantle.
- Variable rotation speed - 0 to 80 rpm.
- Separate 2,2 kW hollow-shaft motor: no pinions or chains.
- Integrated acceleration ramp.
- Quick stop function on winding mechanism, operated by emergency stop button or triggered by a power cut.
- Unit positioned on the right arm.

Cable drum

- Min. outer diameter : 600 mm
- Max. outer diameter : 1650 mm
- Width : 245 to 1123 mm
- Maximum weight : 2500 kg
- Separate hollow-shaft motor : no pinions or chains.
- 5,5 kW motor with electronic frequency variator for speeds from 0 to 60 rpm.
- Driven by adherence of 8 rubber buffers.
- Integrated acceleration ramp.
- Quick stop function on winding mechanism, operated by emergency stop button or triggered by a power cut.

Hydraulic cable-drum lifting system

- Cable drums positioned between points with a lifting system using hydraulic jacks, controlled by button pad.
- Anti-return piloted electro-compressor valves for safety in case of pipe or cable rupture.

Hydraulic cable-drum tightening

- Tightening and untightening of arms by hydraulic jacks for holding cable drums simply by pushing a button.
- Anti-return piloted electro-compressor valves for safety in case of pipe or cable rupture.
- Controlled by button pad.

Traversing unit

- The movable trolley allows cable traversing using cable channels on entry and exit.
- With an electronic, double-preselection measuring counter by the HMI, allowing high-speed winding then slowing before stopping automatically at the pre-selected length.
- Cuts counter integrated in the HMI, reset by entering a code.
- Calibrated measuring wheel: 2 turns = 1 metre.
- Two-direction, hollow-shaft precision encoder for reliable, precise counting. Mounted on the measuring wheel support.
- "Cable presence" detector which stops the machine when the cable ends.
- Cable cutter with double-effect hydraulic shear, 60 mm capacity (85 mm opening).

Electronic traversing

- Allows the cable to be stored on the drum or coiling head by setting the speed of the trolley in relation to the external diameter of the cable.
- Proportional to winding.
- Inversion parameters can be set on the touch screen, with self-learning.
- Can be released for manual use.
- Motor driven by frequency converter.

Electrical equipment

Fully integrated in the chassis – shock-proof. Accessed by dismantling two screws.

- Schneider PLC.
- 3Schneider variable speed controllers (winding on cable drum or coiling head, traversing, travel).
- Wattage : 9 kW.
- Voltage : 400 V tri 50 Hz + neutral + earth.

Control panel with touch screen, allowing the following operations :

- Setting of parameters on the touch screen by the operator.
- Visualisation of the power supply.
- Machine start-up.
- End of line.
- Unwinding speed settings.
- Settings for traversing rates, with possible manual correction during operation.
- Reference on left-hand point.
- Programming of length to be wound.
- Electronic length metering.
- Visualisation of length parameters during winding: cable diameter, total length, position of the traversing trolley.
- Movement of the winder with choice of direction (left – right, front – back).
- Visualisation of errors.
- 1 emergency stop button located above the touch screen.
- 2 buttons for controlling the hydraulic shear, so that both hands are used at the same time.

Accessories

- Round mirror to allow users to see the cable properly during winding on the right arm.
- Hold-all tub.
- String dispenser with integrated cutter.
- Plastic film dispenser on the traversing trolley.
- Electrical insulating stick.
- Fan

Paint

- Blue RAL 5010

Option : Return pulley

- Allows unwinding of cable drums situated on either side of the BOBICAB III, thus preventing the operator from turning the machine 180° (see principle in Racks notice).
- Transmission system fixed on the traversing trolley.
- Improved curvature radius in order to pass larger cables.

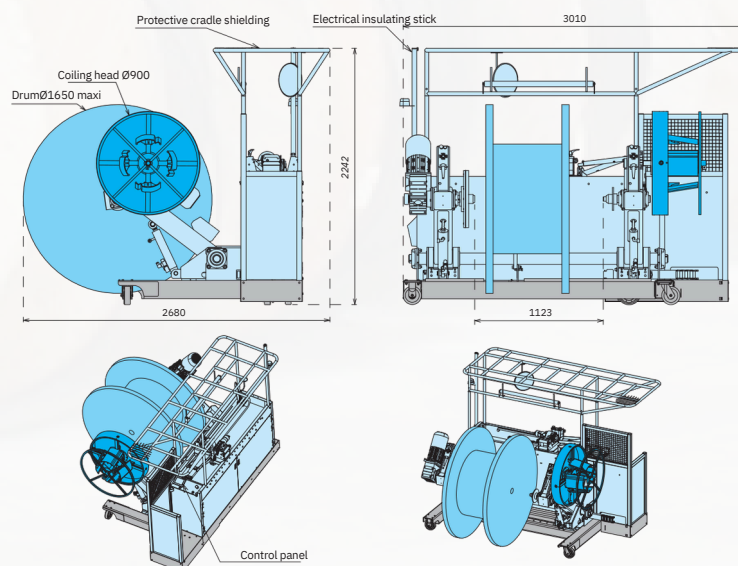
Option : Extendable coiling head

For winding coils with varying internal diameters.

- Quick and easy adjustment of the 4 sections of the coiling head simultaneously.
- Adjustable pillar diameter : 300 to 800 mm
- Max. external diameter : 900 mm
- Adjustable width : 50 to 250 mm

Option : Remote maintenance

Allows remote breakdown diagnosis and modification of automaton programming.



DROUAIRE & FILS S.A.S.
47160 Villefranche-du-Queyran - FRANCE
Tél. : +33 05 53 88 70 87
contact@drouaire.com - www.drouaire.com