



## **OBSA MTC INDUSTRIE SRL**

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## **DOUBLE TAKE UP MODEL AVM2x1250**

The motorized double take up product line is based on very simple machine that are suitable for small production lines where the winding group is not most important part of the equipment.

Made in welded heavy steel, all the product range is composed of machine basic frame to carry maximum two 1250mm reels at the same time.

The reel shafts are fixed and the reels are driven by finger points that are driven by a motor located outside the take up.

Sliding protective panels in transparent polycarbonate allow opening, closing and machine inspection operations.

These panels are held to on high-strength aluminum profiles completely anodized in natural color, with a homogeneous matt surface, resistant to scratches and corrosion in a lasting way, capable of absorbing vibrations.

The panels are equipped with a lock mechanism which allows access to the rotating parts of the machine ONLY when the machine is at a complete stop.

The correct closing of the panels is guaranteed by sensors that detect the status of opened panel and stop the line in case of opening during motion.

An electronic traversing unit driven by a servo motor and a planetary gearbox allows the precise winding of the cable, this system enable the distribution speed to adapt to the cable winding speed.

A pneumatic emergency brake drives and stop the reel in case of problem.

The reel change and the cut of the cable are done manually by the operator after the stop the line.

Is also possible (to request of the customer) to equip the take up with an automatic reel change at full speed without operator intervention.

The machine can be also equipped with a meter counter that checks precisely the length of the desired sizes.

The reel handling is manual by a simple trans-pallet or a hydraulic / electric reel carrier.

The take-up is equipped an electrical control panel placed in front of of the machine.

The instrumentation and controls are placed on the front of the machine, incorporated in an easy to interpret panel with control lights and buttons for the various processes, a graphic HMI touchscreen display for viewing all the machine parameters and allarms.

### **DANCER ACCUMULATOR**

This equipment is assembled on the take up and is specially designed for the high speed operations in order to obtain the best possible adjustment / tensioning of cable.

The dancer is composed of pulleys made in black lightweight material, the tension on the cable is obtained through a pneumatic cylinder and regulated through a manometer.

Limit switches set the movement of the pulleys.

The dancer has a vertical frame and is entirely composed of high-strength aluminum profiles, completely anodised in natural color, with a homogeneous matt surface, resistant to scratches and corrosion in a lasting way.

It is capable of absorbing vibrations and it is frontally accessible to facilitate any type of operation.

The profiles are held together by sliding dowels for fixing the screws and dynamic connection sets that ensure a very high resistance to pressure.

All components are easily removable and completely recyclable as they are made of aluminum.

The machine is completed with light alloy pulleys for the sliding of the cable while a pressure regulator with pressure gauge connected to a pneumatic cylinder guarantees the perfect tensioning of the cable.



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**TECHNICAL SHEET**

Diameter minimum of reel (mm)	630
Diameter max reel (mm)	1250
Width minimum of reel (mm)	405
Width max of reel (mm)	735
Diameter minimum of the hole the reel (mm)	40
Diameter max of the hole the reel (mm)	80
Linear speed max with reels Ø 630mm (mt/min)	250
Linear speed max with reels Ø 1250mm (mt/min)	400
Dimension:	
Length (mm)	2900
Width (mm)	1800
Height (mm)	1900
Dancer accumulator	
Orientation	vertical
Number of pulleys	09
Diameter of pulleys (mm)	80
Pressure regulator (Qty)	01
Manometer (Qty)	01

