

Press release

Optimal recirculation of braiding spools in the wire and cable industry



The new automatic bobbin unwinder ABU24 from the brand VisioCablePro® - A comparison: new (left) vs. old braiding spool (right)

Suhl, October 2021 – An efficient contribution towards supporting sustainable production and resource conservation in the cable and wire manufacturing industry is now available from iiM. The new automatic bobbin unwinder ABU24 makes it possible to simultaneously, gently and quickly feed up to 24 braiding spools back into the braiding process, thus reducing costs.

Special braiding spools are required in order to use braiding machines within the cable and wire manufacturing process. These spools, also known as “bobbins”, cannot be completely or evenly unwound during braiding. There is always a certain amount of wire remaining on the spool, which usually needs to be removed by hand. Popular methods in the industry, such as using blades or multitools, are very time-consuming and also damage the surface of the spools. Damage brings with it the risk that the fine wire will become caught or snap when the spool is used again. The service life of the spool is also significantly reduced by these manual methods.

The new automatic unwinder was developed to counteract this problem and make the use of braiding spools more sustainable. It offers the opportunity to unwind up to 24 spools at the same time without

supervision. The process takes place completely autonomously. The machine with a simple, logical design allows the operator to complete loading and set-up in less than 5 minutes. Compared to the manual cutting of the residual wire, the time saved using the new method is considerable.

To avoid taking up any additional space in the factory, the machine is positioned directly on the EPAL box pallet containing the recycled material. With a simple action, the unwound material falls directly into the box underneath. The machine can be transported easily in the factory due to the substructure, which corresponds to the EPAL standard, and the low net weight of the machine.

The new VisioCablePro® bobbin unwinder has an intelligent automatic switch-off function, which stops the machine once the wire is unwound from the spools or the decoiler is full. Anti-vibration rollers and rubber elements gradually slow down the decoiler when the machine is switched off. Safe operation is ensured due to the low traction on the rotating components and the clearly visible indicator lights.



The ABU24 in an operational state – wire guided from the braiding spools via the distributor to the reel

The new ABU24 allows costs to be further reduced, as the quality of the spools used remains at a high level over a very long period. The spools can thus pass through the production process more frequently and the risk of wire breaking during braiding is significantly minimised with undamaged spools. The use of the unwinder also reduces the risk of injury (no further handling of sharp blades) and the time needed by the operators. The machine is suitable for use with wire, thread or plastic fibres.

More information on the ABU24 can be found at:

www.cable-measurement.de

About iiM AG

iiM AG measurement + engineering is a provider of all-in-one solutions in the field of industrial image processing. iiM AG measurement + engineering has been developing and producing industrial measuring technology and lights for a wide range of industrial sectors, such as the cable, wire and solar industry or the automotive sector, for 20 years. Certified in accordance with Global Certificate ISO 9001:2015 by DEKRA, iiM AG guarantees quality at the highest level.