



## **Metzner CRC 450 Duo**

**Automatic cable coiler most demanding jobs**

# Metzner CRC 450 DUO

Stand alone unit and automated coiling system

# Metzner



With the CRC 450 Duo, Metzner presents a cable coiler which is optimally equipped for the automatic coiling of a very broad range of cables. This includes both very thin and tension-sensitive cables as well as thick and tough cables.

When it comes to coiling cables, the constantly correct amount of cable tension is a decisive factor. While thick or also flexible conductors require a certain tension, very thin conductors or fibre optic cables are damaged even under low tensile forces.

The Metzner CRC 450 Duo manages these requirements easily with its intelligent and technical equipment.

### Constant communication

The Metzner CRC 450 Duo is connected to an upstream cable processing machine via an intelligent communication interface which constantly transfers its processing parameters to the cable coiler. The CRC 450 Duo automatically calculates the direction of rotation, the speed as well as the acceleration and braking values of the coiling reel from this data.

### Exact synchronous operation

For a good cable-coiling result, the exact synchronous operation between the cable coiler and the cable processing machines is important. With its powerful servo drives in combination with the anticipatory control,

the CRC 450 Duo works dynamically and synchronously with the movement sequence of the cable processing machines.

### Producing without losing time

Thanks to the two winding reels, the operator can remove a cable coil while the machine is already producing the next cable coil with no waiting times.

### Retractable winding mandrels

After finishing a coiling operation, the winding mandrels are automatically lowered. The tedious lifting out of the cable coils over the winding mandrels can then be omitted – a major advantage when processing long and heavy cables.

### Performance

Applicable with

### Metzner CRC 450 Duo

AM 3000 Series, AM 4000 Series, AM 5000 Series

Types of cable

Flexible cables up to 15mm (0.59") in diameter

Cable ring inner diameter

From 160mm (6.3") up to 450mm (17.72")

Cable ring outer diameter

Up to 500mm (19.69")

Weight of a cable ring

max. 20 kg (44 lbs)

Speed of the winding disc

max. 225 rpm

### Technical data

Dimensions (L x W x H)

1285 x 1010 x 1320mm (50.6" x 39.76" x 51.97")

Electrical connection

400 V / 50 Hz / 2,4 VA

Drive system

Servo motor

Required air pressure

6 bar (87 psi)

Weight

275 kg (606 lbs)

Specifications are subject to change without notice.

### Automatic work sequence:

- Winding reels and clamping mandrel precisely in the starting position
- Automatic clamping in of the beginning of the cable
- Coiling in synchronous operation
- Optimised coiling result with shifting function
- Retracting winding mandrels and ergonomic material removal
- Coiling with a second winding reel

[www.metzner.com](http://www.metzner.com)

### Metzner Maschinenbau GmbH

Messerschmittstraße 30  
89231 Neu-Ulm | Germany  
Phone: +49 731 40199-0  
Fax: +49 731 40199-33  
Email: [sales@metzner.com](mailto:sales@metzner.com)  
Internet: [www.metzner.com](http://www.metzner.com)