

Metar Guiding System

1 Advantages

- Ensures the position of the reels during the winding
- Guarantees the width of your capacitor
- Measures the wobbling of the reel, before starting the production*
- Series Design capacitor ability
- Transparent Edges ***

2 Type of Edges

- Edge of Metalized Film **
- Edge of Transparent film ***(margin)
- Edge of Metalized film after transparent film (Series Design or transparent edge)
- Edge on Diamond pattern Metalized Film
- Edge on Wave-Cut Metalized Film
- Edge on Wave-Cut Transparent Film

3 Measurements possibilities

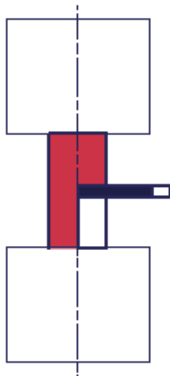


Fig.1

Metalized edge

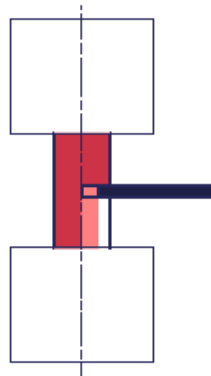


Fig.2

1. Transparent edge
2. Metalized edge, after the transparent edge

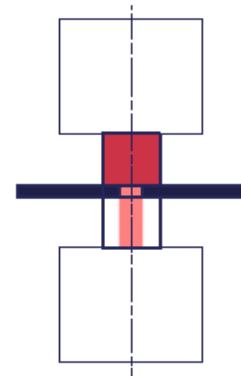


Fig.3

Metalized edge in series Design

4 Accuracy of the system

The Metar Guiding System ensures the production of capacitor in a width's tolerance of :

- For metalized edge : ± 0.05 mm, in addition of the Wobbling Value. (fig.1)
- For other edges : ± 0.1 mm, in addition of the Wobbling Value. (fig.2 and 3)

5 New films, New products

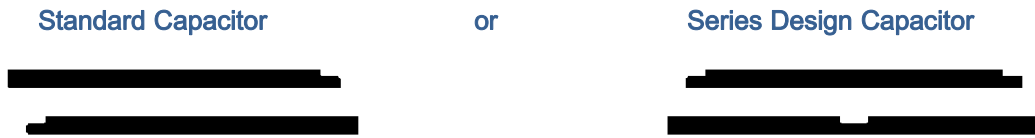
The customer can adapt the setting based on his film or needs. In this way, you don't have to worry about your future development, because the adjustment of the sensor is totally accessible.

Those configurations can be chosen from the PLC, in order to make the setting easier.

6 How do you use it ?

1st. Type of Product

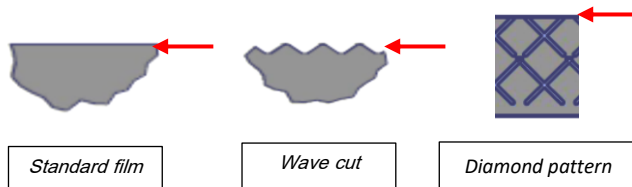
You can choose between:



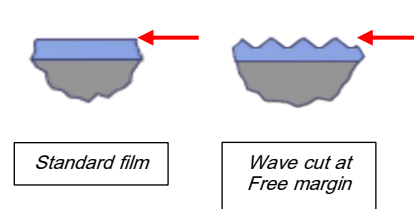
2nd. Type of Film

For each unwinder, you have the following possibilities:

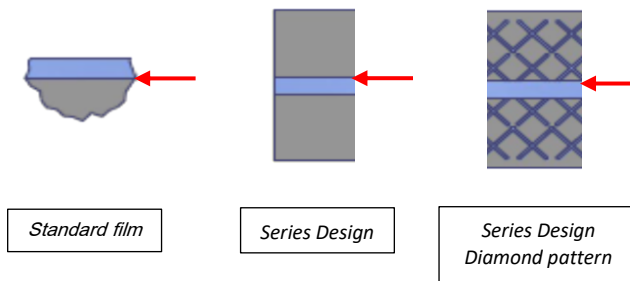
➤ Edge of metalized film**



➤ Edge of transparent film***



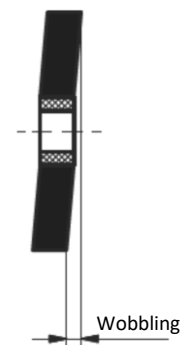
➤ Metalized edge after transparent section**



3rd. Runs the Machine and monitors the wobbling

Once you have set the parameters, you can start the production.
The machine will automatically:

- Align the reels before starting the production
- Monitor the wobbling and inform the operator if the wobbling found exceeds your tolerance, and this before starting the production (for metalized edge only)
- Will stop in case you set the wrong type of measurement either wrong settings



*: Only with metallized edge
 **: Slope metallization to be tested
 ***: Below 5um to be tested