

Pressemitteilung / Press Release



Tuning for label printers

More precision with printer accessories from eXtra4

Birkenfeld, 22.05.2023. Diligence to detail is everyday life for jewellers, goldsmiths and watchmakers. Precision is part of the business - also in label printing for the industry. As an expert in labelling jewellery and watches, Ferdinand Eisele has developed accessories that significantly improve the performance of thermal transfer printers: In order to compensate for technical differences between the label roll and the printer, the company from the Pforzheim area offers reel core adapters under its eXtra4 Labelling Systems brand, which permanently guarantee accurate printing.

The devil in the detail

Where as much data as possible is printed on the smallest possible labels, fractions of millimetres matter. A feeling for such subtleties

has been developed at eXtra4 over decades of commitment to industry-specific label printing. The different diameters of the label reel core and roll holder in the thermal transfer printer are therefore quickly recognised as a disruptive factor:

Jewellery labels are made up on rolls with a diameter of 1.5 inches (38 mm) due to their complex shapes. The larger radius ensures that even the last label on a roll lies flat instead of deforming, allowing it to be printed neatly. Thermal transfer printers are generally designed for office or production use. There, mainly labels in simple rectangular shape or continuous material are used. Both can still be easily processed with reel cores of 1 inch (25.4 mm) or 0.5 inch (12.7 mm). The roll holder in the printer is dimensioned accordingly small.

Small difference with big consequences

The effects of the discrepancies between the label roll and the holder are not obvious at first glance, because the roll can still be changed conveniently. Due to the different diameters, however, the reel core cannot be inserted in an axis-centred manner. The label roll is sagging. If it is driven during printing, it rotates with imbalance and runs the risk of jamming, resulting in uneven web tension. The label web does not move evenly, but jerkily through the print head. Accordingly, the print image on the label may fluctuate. It is cut or runs completely out of the shape over time when printing a higher print run.

Reel Core Adapters as solution

To compensate for the different diameters, eXtra4 has designed reduction inserts made of dimensionally stable plastic. The round injection moulded parts combine both dimensions. They have the diameter of the reel core on one side and that of the core holder on the other side. As reel core adapters, they are simply plugged into the core of the label reel, flush with the edge of the web, before the label roll is inserted.

Now the label roll can be reliably locked into an axis-centred position between the clamping jaws of the holder. This eliminates the imbalance and keeps the movement smooth. The roll rotates almost effortlessly so that there is nothing to prevent even web tension. The web can be transported through the print head at a constant speed and all labels can be printed accurately.

When the labels are run out, the only thing the user must not fail to do is to remove the adapters from the core and fit the new label roll with them again in order to permanently improve the precision of his printer.

Now in the webshop and as video

Reel core adapters are a in-house development of Ferdinand Eisele GmbH and were originally intended for the thermal transfer printers in the eXtra4 portfolio. If required, they are included with eXtra4 devices as an exclusive accessory. To enable users of non-eXtra4 thermal

transfer printers to tune their printers for more precision, Ferdinand Eisele has now added eXtra4 reel core adapters to its product range as accessories.

Two versions are available: Adapter from 1.5 inch to 0.5 inch (Ref-No.: 66 E-RE38-12) and adapter from 1.5 inch to 1.0 inch (Ref-No.: 66 E-RE38-25). Both types of adapters are packed in pairs in polybags and can be ordered now in the eXtr4 webshop at <https://extra4shop.de/produkt-kategorie/zubehoer/drucker-zubehoer> .

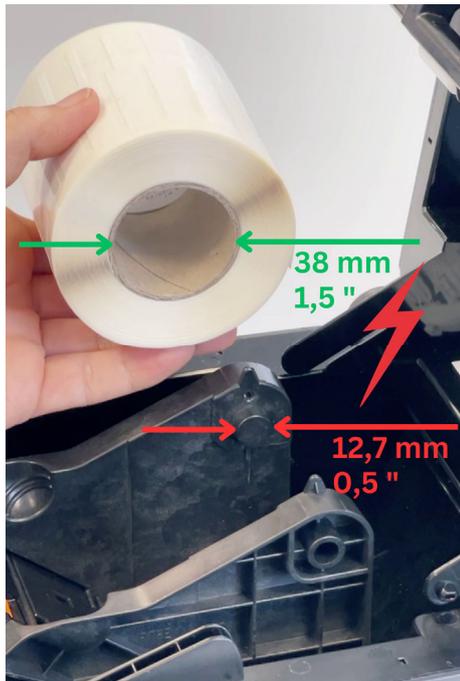
A tutorial illustrates the application and function. Interested parties can find the video in English at <https://www.youtube.com/watch?v=mbpsvS0YeSs> on youtube @extra4labelling and also in German at www.extra4.com on the company's website.

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Images and captions



Img.1: New from eXtra4 Labelling Systems: Reel core adapters to improve printing precision of thermal transfer printers.



Img.2: eXtra4 reel core adapters increase printing precision by compensating for different diameters of label roll and roll holder in the thermal transfer printer



Img.3: eXtra4 reel core adapter in installed condition.



Img.4: Reel core adapters for 1.5" reel cores with reduction to 0.5" roll holder in printer



Imb.5: Reel core adapters for 1.5" reel cores with reduction to 1.0" roll holder in printer