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EIDOS
PROGETTISTI DELLA MARCATURA

PRODUCT BULLETIN

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PRINTING WITH CODITHERM IN RECESSED AREAS.

DEFINITION OF MINIMUM MARGINS TO TAKE INTO ACCOUNT FOR THE WRITING.

The new high thermal energy Coditherm printers are also able to print inside recessed areas of plastic containers.

These printers are:

- **I-ROLLER,** working with an hot roller transfer device, is suitable to perform even large prints.
- **H-PAD,** working with an hot pad transfer device, is suitable to make prints smaller in size in recessed areas.

The **depth of the recess** must be limited to approximately **20 mm** in order to be printable.

CODITHERM "I-ROLLER"

The I-ROLLER Coditherm can print in recessed areas and is particularly suitable when these areas have elongated shape, with wide side margins.
Typical application is printing on the tray type plastic boxes:

In fact, the transfer roller of the I-ROLLER has a large diameter and thus the side ribbon-guide rollers are far away.

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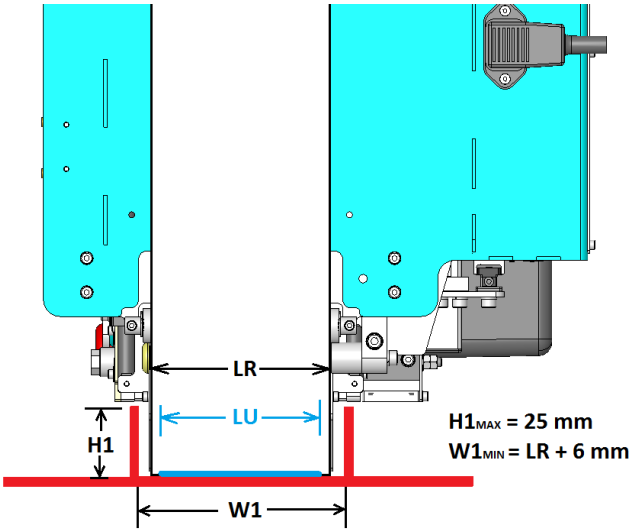
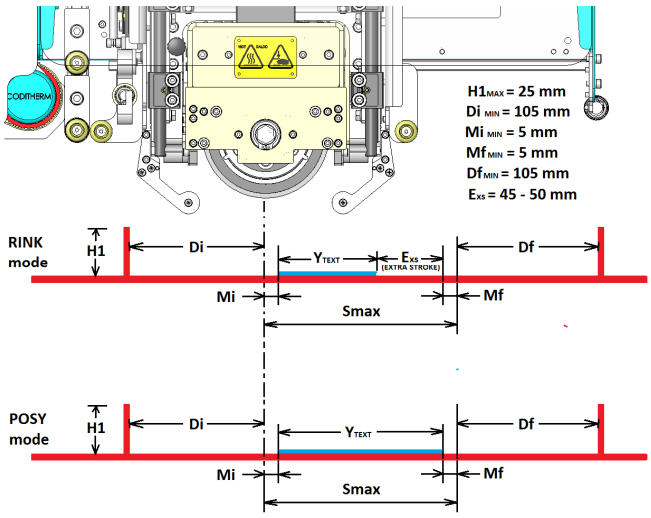
The limits are shown in the following figures:





Explanation of abbreviations.

LR = Ribbon width
LU = Useful width for text
H1 = maximum depth of the recess
W1 = minimum width of the recess
Di = minimum distance of the protuberance from the transfer roller axis (from the side of rolling start)
Df = minimum distance of the protuberance from the transfer roller axis (from the side of rolling end)
Mi = recommended initial margin between the point of descent of the Roller Transfer and the beginning of the text
Mf = recommended initial margin between the end of the text and the point of the ascent of the Roller Transfer
Smax = maximum carriage stroke
Exs= extra-stroke need in RINK MODE

CODITHERM "H-PAD"

The Coditherm H-PAD is particularly suitable for printing in recessed areas. The pad, with ribbon guides incorporated, allows you to maximize the available space of the recess.
The great strength of impression helps to flatten the plastic surface during the printing stage. In this way the operation is easier and the result is more accurate and qualitatively excellent.
The specific characteristics and the potential of H-PAD make it suitable to mark a great variety of plastic containers.
Typical application is the plastic box with not very wide recessed areas and almost square in shape:

The limits are shown in the following figures: