

Cumulative Error Calibration

CUMULATIVE ERROR CALIBRATION

The CALIBRATION FACTOR is a number that is multiplied against every Paper value. For example, in the SETUP Screen, if the user has entered a value of 2.000 inches for the "Product Length" and the machine yields a piece that is too long or too short in length, use the CALIBRATION FACTOR value to calibrate the machine so that the cut piece is exactly 2.000 inches.

CALIBRATION FACTOR

+

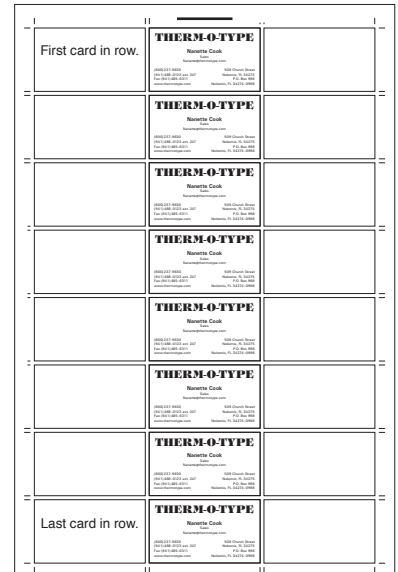
1.000

-

EXAMPLE:

Measured Length of piece = 2.026 inches.
 Desired length is 2.000 inches.
CF = CALIBRATION FACTOR
 Calculate the CF as follows:
 $CF = 2.000 / 2.026 = 0.987$
 Set the CF into the display to the left.

Close



Cumulative error calibration will eliminate product dimensional errors introduced by the printer and/or equipment along the length of the sheet. For best results, each Zip machine must be calibrated to eliminate cumulative error.

Cumulative error must be properly calibrated to ensure the image area is consistently positioned up and down on each piece crosscut from the length of the sheet.

To access the cumulative error screen: Go to the "Info" screen and press "Factory Settings". On the "Factor Setting" screen, press "Cumulative Error Calibration". Enter pass code 57979, then press "Enter". Default setting is 1.000.

First card in each row.

THERM-O-TYPE

Nanette Cook
Sales
Nanette@thermotype.com

(800)237-9630
(941)488-0123 ext. 247
Fax: (941)485-6311
www.thermotype.com

509 Church Street
Nokomis, FL 34275
P.O. Box 998
Nokomis, FL 34274-0998

Cutting "short"

If the calibration is set with the machine cutting "short", the image area will be progressively lower on each piece down the sheet. Cutting "short" will require increasing the calibration value.

Last card in each row.

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Cutting "long"

If the calibration is set with the machine cutting "long", the image area will be progressively higher on each piece down the length of the sheet. Cutting "long" will require decreasing the calibration value.

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Calibrated correctly

With the cumulative error correctly calibrated, the image position on first and last piece, down the length of the sheet, will be uniform.

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