

DocuConverter is a finishing machine fully designed and manufactured by CEM to meet the needs of some of the most important manufacturers of digital sheet printing printers, thanks to information gathered from the same.

The first prototypes were manufactured in the spring of 2006 and many units are now successfully operating both in our own country and all over the world.

The machine takes sheets from the printer one by one and cuts them symmetrically with two cuts made cross-wise to each other, first crosswise then lengthwise.

Depending on the machine setup, 2 or 3 cross cuts can be made (cutting the sheet into 4 or 6 parts).

After cutting, the sheets are stacked in the correct book sequence. The result will be a single stack of sheets, or two stacks in the case of a central cut.

In the past, 4 images corresponded to 4 books: now with DocuConverter, 4-image printing can be used to obtain 2 finished books, alternated, ready for binding or other processes.

This eliminates the need for trimming after printing, making it possible to work with the printer's maximum acceptable format resulting in book blocks ready for binding.

DocuConverter accepts the following formats (cm):

input sizes:

MAX L = 52 - W = 35.5

MIN L = 15.2(\*) - W = 15.2 (\*\*)

output sizes:

MAX L = 52 - W = 35.5

MIN L = 15.2 - W = 11 to be confirmed after testing (\*\*\*)

*Note that the input sizes are in a certain sense limited by the output sizes, which in turn depend on the geometry of the mechanical construction of the machine.*

*(\*) - DocuConverter's cutting function can be disabled to allow input sheets to be stacked without further handling: 15.2 cm (6") is the smallest measurement that the stacker can accept.*

*(\*\*) - The minimum input width, based on the same comments made for the minimum length, could in theory be slightly less than 15.2 cm, but we prefer to stay on the safe side and indicate this limit as it is of little importance in any case: in fact, if you want to perform a central cut, the input size must not be less than 22 cm, which is equal to twice the minimum output size (two stacks of 11 cm placed along-side each other).*

*(\*\*\*) - The minimum output width depends on the geometry of the stacker and the physical properties of the paper. When the value falls close to the lower limit, approval tests must be conducted.*

The following are examples of finished book sizes that can be obtained (measurements expressed in cm):

- 15 x 23
- 20.5 x 28.5
- 11.4 x 17.2
- 14.5 x 22.5
- 12 x 18

DocuConverter traditionally finds application in the field of perfect binding for publishers with a large range of titles, as it is here that the maximum benefit can be obtained by eliminating the need to trim "mattresses" of a limited number of sheets after printing. Companies with their own binding department will make even better use of this machine.