

Data Sheet: Trimmer center-knife assembly CKN

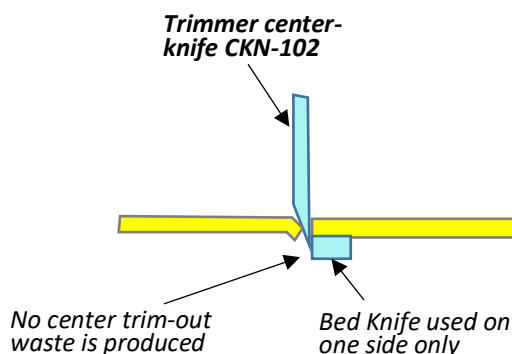
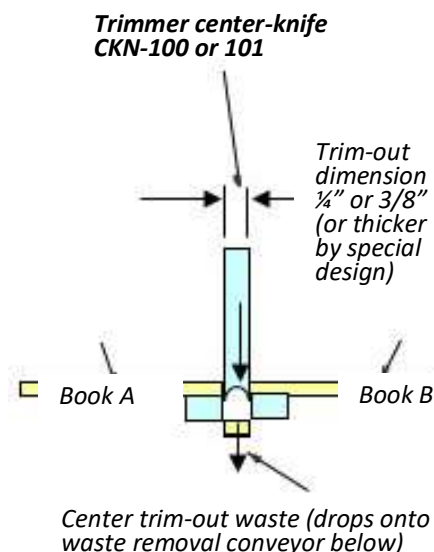
CKN-100, CKN-101 or CKN-102 Trimmer center-knife

The Smart-binder **trimmer center-knife system** may be used to produce book sizes which are **less than 160mm (6 1/4") spine length** (e.g: A5 landscape or 8 1/2 x 5 1/2" oblong). Each sheet is printed with 8 pages instead of the normal 4 pages. These sheets are individually folded and then either stitched or glued together in the normal way. The center-knife then splits the resulting book into two smaller sized books, which are delivered in two parallel streams.

View a [video](#) of the trimmer center-knife.

The following center-knives are available:

- CKN-100 with a double-bladed knife that trims 6.35mm (1/4") out of the middle of the booklet. Booklet thickness is limited to 3mm (1/8")
- CKN-101 with a double-bladed knife that trims 9.52mm (3/8") out of the middle of the booklet. Booklet thickness is limited to 4.5mm (3/16")
- CKN-102 with a single-bladed knife. It separates the two booklets without any trim out. Thicker books may be produced compared with using the double-edged CKN-100 or 101 knives.



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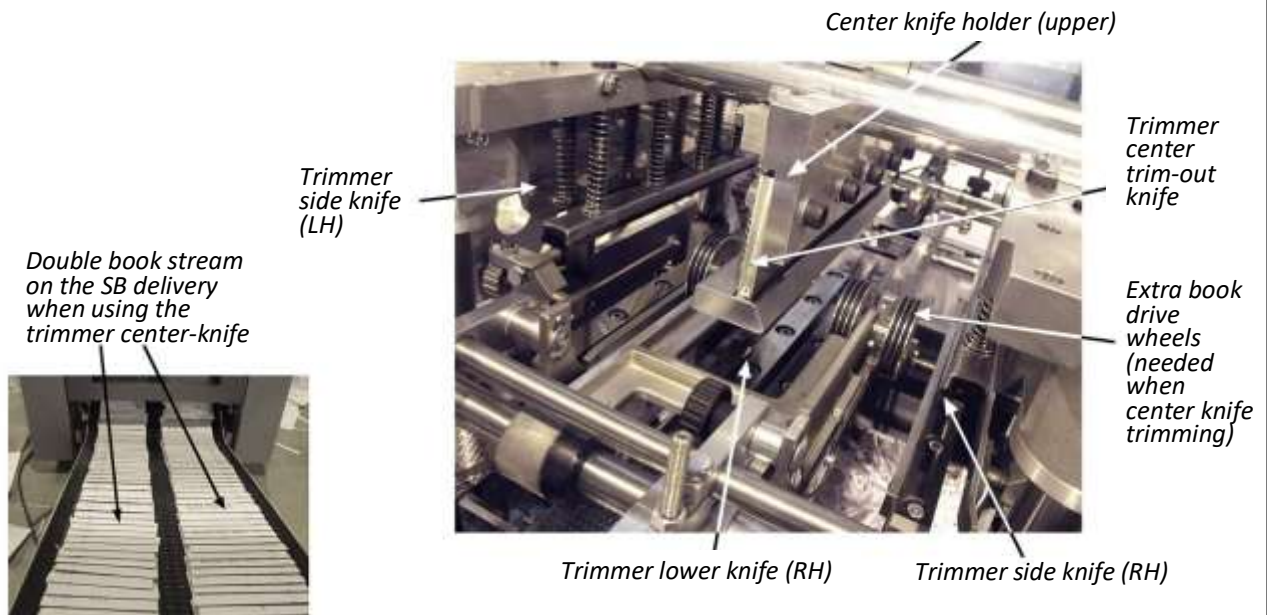
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Trimmer center-knife photos



Important notes:

Installing and using the trimmer center-knife.

The CKN-101 knife is supplied with center-holes in the upper knife so that air blow can be connected to assist blowing out the center-strip from between the two blade edges when the knife rises after each cut. These blow holes are not available on the narrower ¼" wide knife CKN-100 so this knife has an increased risk of waste paper build up between the knife blades.

Two bed-knives are needed if the CKN-100 or 101 (gutter cut) knives are fitted.

If the CKN-102 single-bladed knife is fitted then only one bed knife should be used. No center trim waste is produced when using the CKN-102.

To install the trimmer center-knife assembly takes about 90 minutes and about 15 minutes is required to subsequently remove the upper center knife in order to stop center-trimming.

When installing the center-knife care must be taken not to turn the machine backwards during movement of the indexing transport belts as this may cause the belt timing to be lost.

WARNING!! Extreme care must be taken when handling any book trimming knife. This must only be done by competent, trained personnel.

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