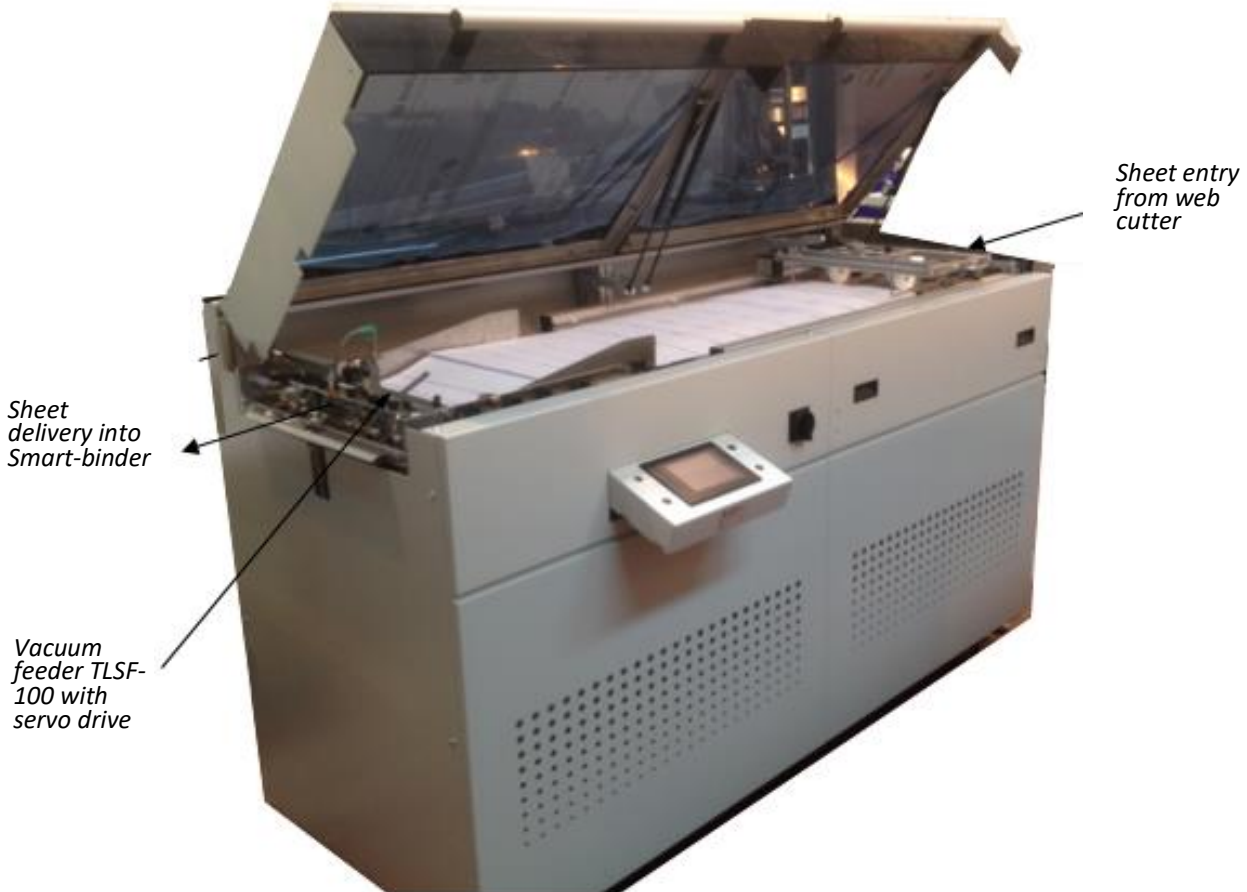


Data Sheet: Optional sheet buffer module SBS-100

The **SBS-100 buffer module** may be used in between the web cutter and the Smart-binder in order to remove the 'hard coupling' between the printer and the in-line Smart-binder.



SBS-100 sheet buffer

Note: The SBS-100 requires a power supply of 200-240V, 50/60Hz, 1P+N, 5A, and a compressed air supply of 10CFM (17m³/hr) at 90psi (6.2 bar).

Benefits of using the SBS-100:

1/ The SBS-100 enables a small proportion of very thin booklets mixed with thicker booklets to be produced at reduced Smart-binder speed, while the in-line printer can continue running at normal running speed without have to slow down (as it would have to without the SBS-100 buffer installed). A festoon web buffer can also perform a similar function, but the SBS-100 can store a lot more paper than a web buffer and can be controlled directly from the Smart-binder so as to feed sheets exactly at the rate determined by how many sheets are in each required booklet.

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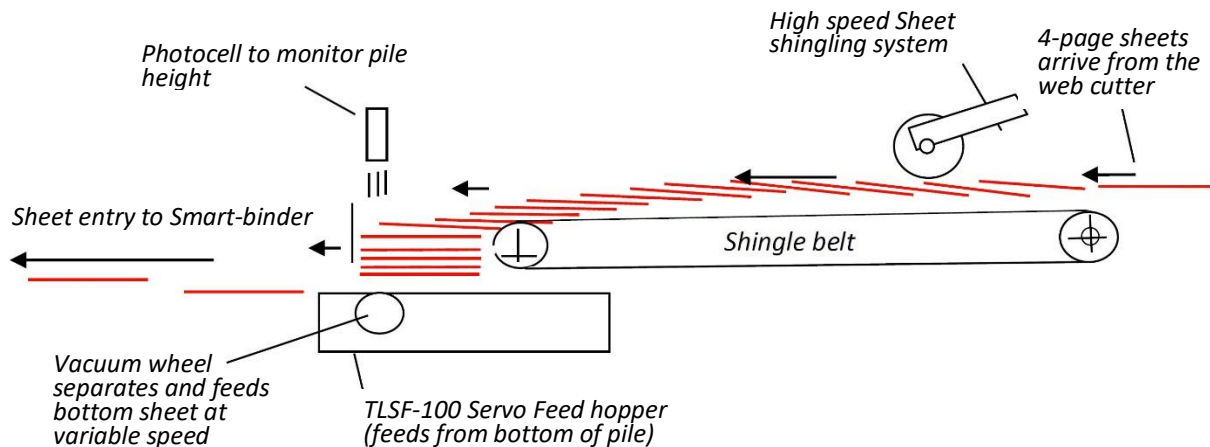
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2/ The SBS-100 enables the Smart-binder to stop for a short time (1- 2 minutes depending on printer speed) without stopping the printer, which reduces down time and improves system operating efficiency.

3/ The SBS-100 may also be used to produce very thin booklets which are continually varying in number of pages, by allowing the Smart-binder to run a fixed cycling rate (continuous operating mode).



The SBS-100 operates as follows:

1/ Sheets from the web cutter are collected in an overlapping 'shingled stream' on the shingle conveyor. The shingled sheets flow into the 'top loaded' sheet feeder TLSF-100. The TLSF-100 feeds sheets out from the bottom of the pile at a rate determined by the number of sheets in the booklet being made by the Smart-binder.

2/ If the bar code reader detects that some very 'thin' booklets (containing a small number of pages) must be produced, then the sheet rate from the TLSF-100 is automatically reduced to avoid exceeding the Smart-binder maximum output cycle rate. In this case the sheet pile height increases in the TLSF-100 feed hopper. After these 'thin' booklets have been produced then the sheet feed from the TLSF-100 increases and the pile height in the hopper reduces to the normal running height.

View a [SBS-100 video](#).

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