Control Systems

CORRUGATOR

~ Splicings synchronisation

AL~GAR

Global Corrugated Engineering Solutions

CORRUGATOR

Splicings synchronisation

Splicing synchronisation allows for achieving a direct reduction in paper waste. We control the diameter of the reel by automatically splicing all five papers.

The system executes and controls the synchronisation of the splicings in order that they may enter the double facer from a distance of 3 or 4 m.

Our splicing synchronisation system is based on the following features:

- **Automatic bridge control:** corrugator speed control according to the double facer's speed and the bridge's load level, which may be empty, half-full or full.
- **Bridge optimisation feature:** automatic bridge loading for carrying out the splicing sequence without having to reduce the double facer's speed. The bridge's load level will depend on the splicing speed and the double facer's speed.
- **Synchronisation:** automatic splicing sequence in order that the paper arrives at the table with a margin of 3-4 m.
- **Master-reel feature:** option available in addition to the synchronisation, and which exhausts the selected reel with fewer metres. Synchronisation starts once said reel is finished.
- **Width change feature:** option available in addition to the synchronisation, whereby the system orders the final trimming machine to carry out a continuous trim for 5 m. in order to discard the change of papers.
- **Order change function:** option available in addition to the synchronisation, whereby the system executes two manoeuvres: the first is to send the order for a trim or continuous trim to the order's final trimming machine depending on the status of the width change feature; the second is to send the order change order to the dryend so it is executed automatically.
- **System integrable with the "splicing on ending reel".**

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