



SLITTER SCORER - TWIN 400



Fosber's latest slitter scorer model Twin 400 is a compact, low-maintenance machine. Two independent slitting stations and two independent stations groups allow the Twin 400 to instantaneously order change both in GAPLESS or GAP mode without any kind of speed limitations. Precise and fast positioning of the tools for the next order is accomplished via three independent robots, which move along a rack



system guaranteeing performance, reliability and accuracy.

The Twin 400 is equipped with thin-blade Kleen Cut slitting as standard. Customers may choose whether the machine is configured with slitting from below or above the board-line as they prefer.

The utilisation of tungsten carbide blades guarantee a superior slit quality without the need for blade lubrication, thus providing the Twin 400 with a perfect slit profile for all types of paper and board combinations.

The automatic blade sharpening system is common to both slitting stations and consists of a double grinding head assembly mounted on the slitter robot.

Extremely low maintenance costs are obtained thanks to the development of a completely new and innovative counter blade system. The blades cut against a fixed steel anvil which holds a segmented Teflon bar. Maintenance is virtually eliminated as the segmented Teflon strips are not only self-loading but are periodically re-indexed via an automatically controlled displacement system.

The two scoring stations are identical and can be equipped with different score profiles thus enhancing the production versatility of the Twin 400. This also allows the running of different score profiles simultaneously when run in tandem mode - even when an auxiliary score shaft is not present.

Each slit station can be fitted with a maximum of 9 blades for running 8 boxes out. If more than 8 boxes out are required, the slit stations would similarly be automatically managed to run in tandem mode so that both slitting stations would be engaged at the same time. This is also made possible as each blade can be individually engaged or disengaged from the board line. This feature allows quick and simple blade replacement (2 minutes), optimised and evenly spread usage of blades right across the web, and the ability to simply exclude an individual blade if necessary without stopping the machine. The high speed robotic set up system utilises a brushless AC motor directly keyed into an epicycloid planetary precision gearbox. This in conjunction with the rack system (along which the robots move) mean that very high and precise positioning speeds are obtained.

This greatly reduces set times and permits the running of the shortest possible orders. Furthermore after each set-up the slitter robot carries out a fast scan of all the slitting blades and its unique sensor system verifies that all tools for the next job have been correctly positioned, thus providing even greater machine protection and reliability.





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Gallery



Technical Data

Min scorer-to-score distance on same shaft	40 mm
Set-up accuracy	+/- 0,5 mm
Number of working stations	2
Design Speed	400 m/min
Max board width	2500/2800 mm
No. of boxes out per station	Up to 8
No. of scoring heads per station	Up to 22

