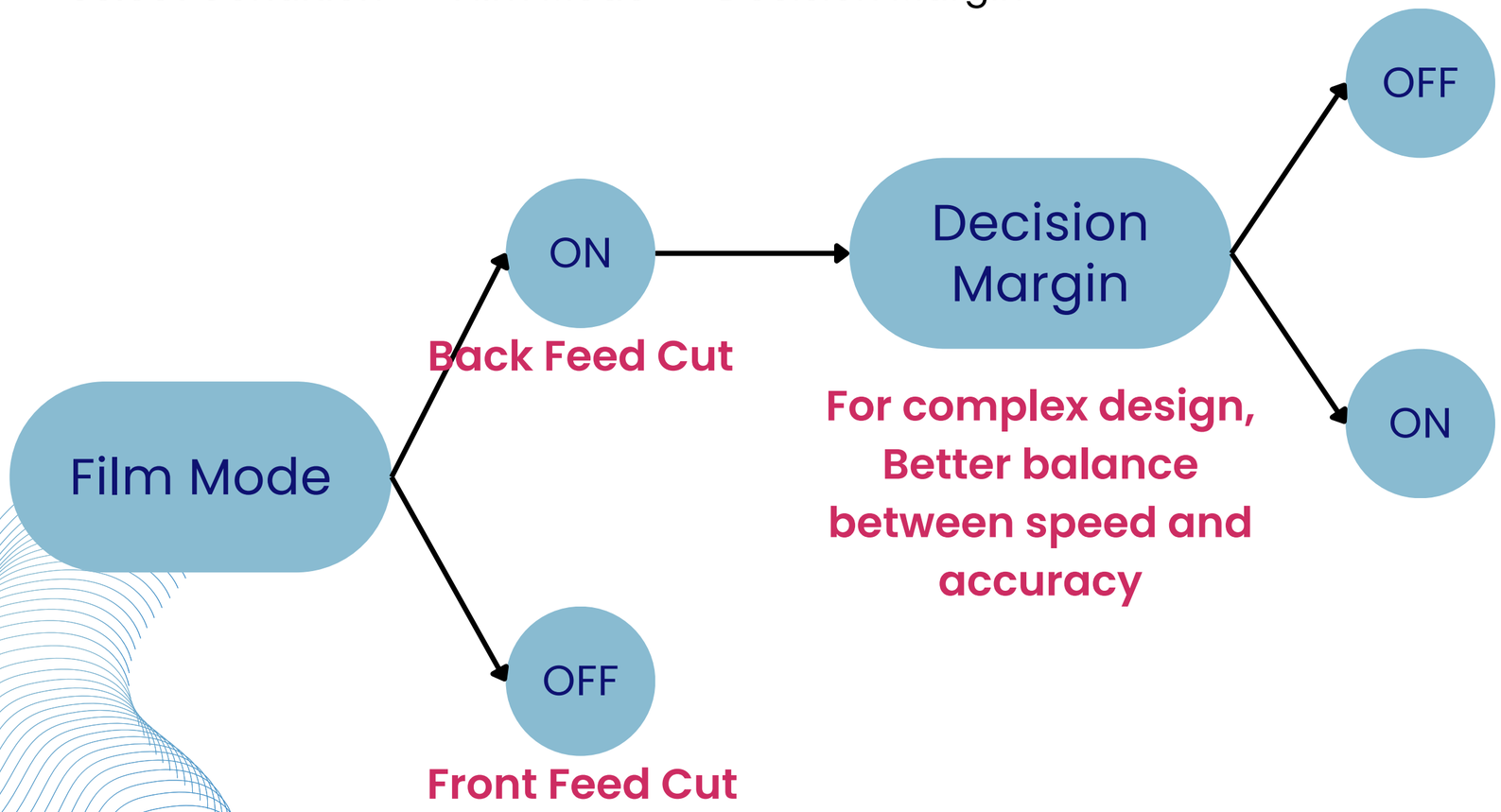
GRAPHTEC

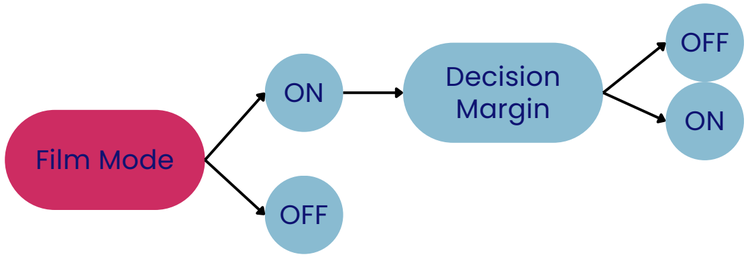
FILM Mode

Select Condition => Film Mode => Decision Margin



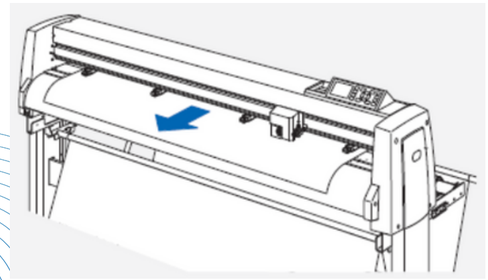
GRAPHTEC

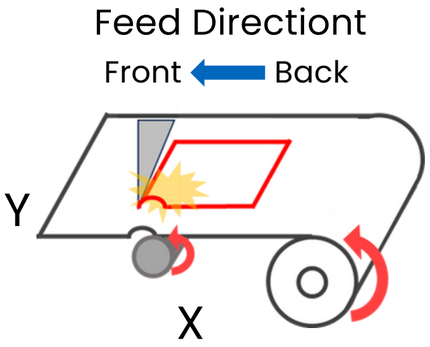
FILM MODE



A mode designed to **prevent media lifting** when cutting thin, flexible materials like film.
X-direction cuts are performed using a **back-feed tension method** to ensure clean results

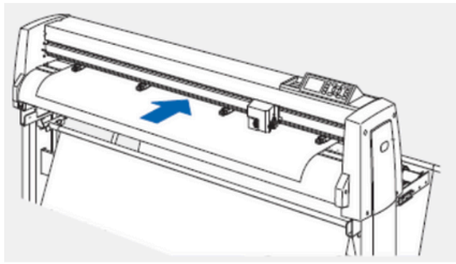
Front Feed Cut

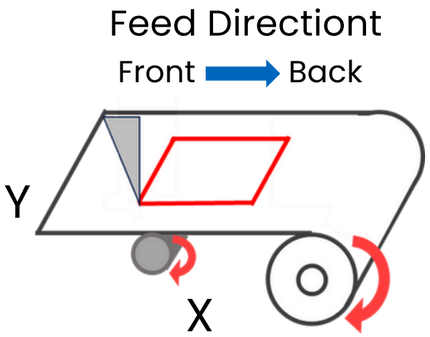




Media lifts due to the cutting resistance of the blade

Back Feed Cut

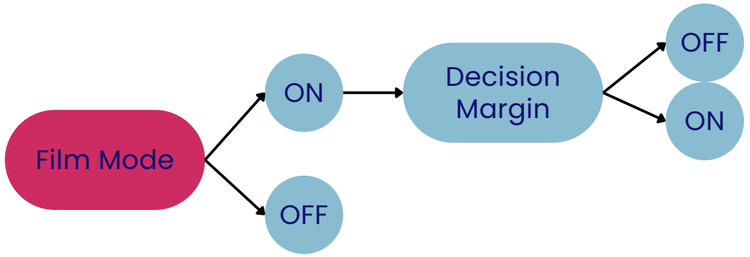




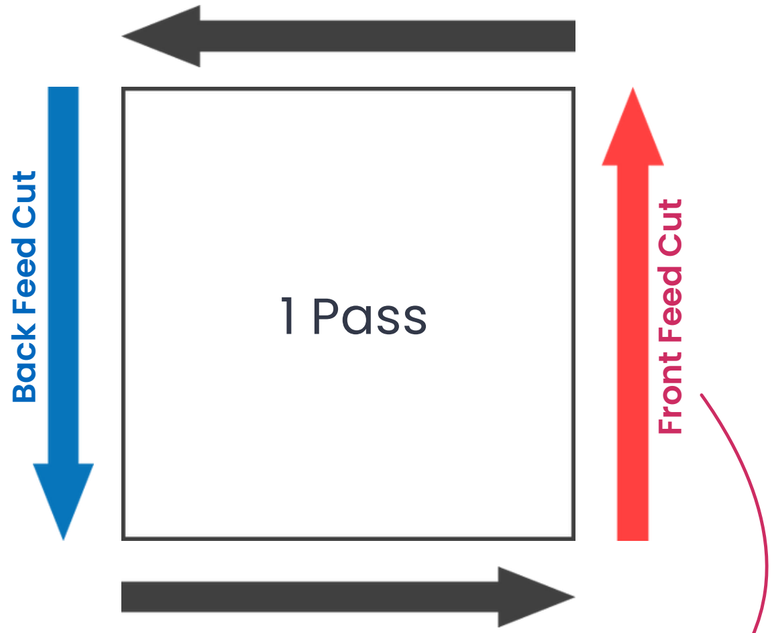
Effective for cutting DTF media and window films

GRAPHTEC

FILM MODE

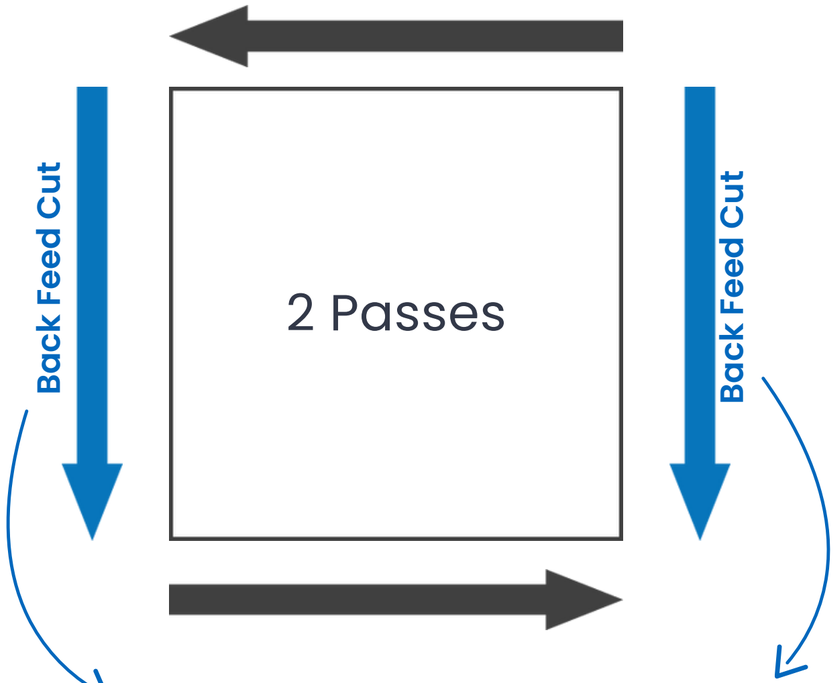


FILM MODE: OFF (Normal)



More possibility of media lifting

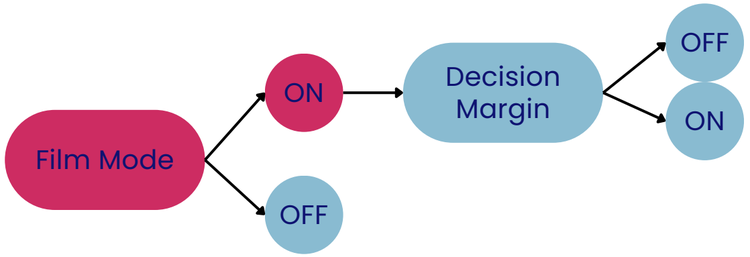
FILM MODE: ON



Ensure cleaner result

GRAPHTEC

FILM MODE



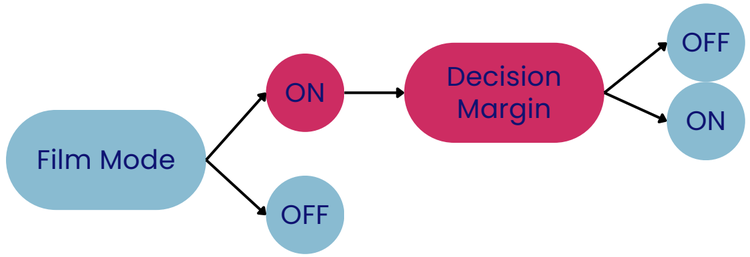
However, for complex designs with **multiple small x-direction cuts**, changing cutting direction for every cut can be time consuming and thus resulting in lower productivity.

To balance more between speed and accuracy, and to optimize the **efficiency** of the job

Decision Margin

GRAPHTEC

FILM MODE – ON

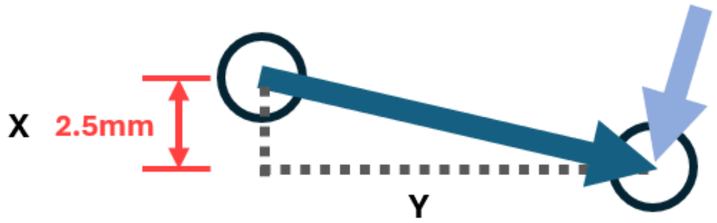


Decision Margin

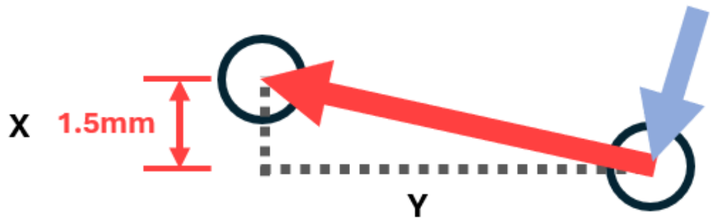
Enables configuration of a threshold length in the X direction. When the length of a cut falls below this value, the front-feed cutting method is applied to optimize the speed and efficiency of the job.

- Default setting: 2 mm
- Setting range: 0-50 mm

- **Example: decision margin = 2 mm**



Back feed cut is applied



Front feed cut is remained

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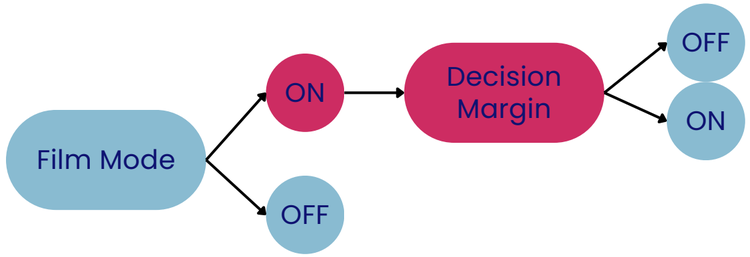
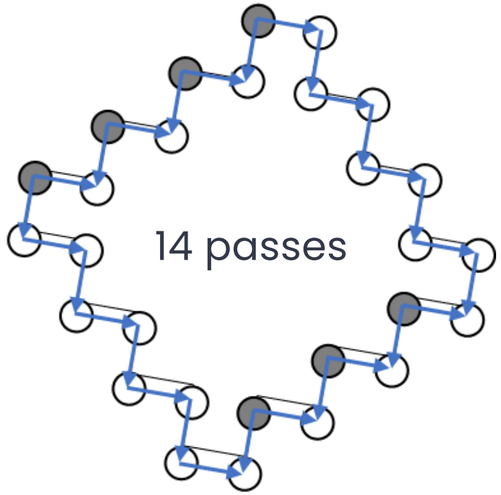
FILM MODE – ON

Decision Margin

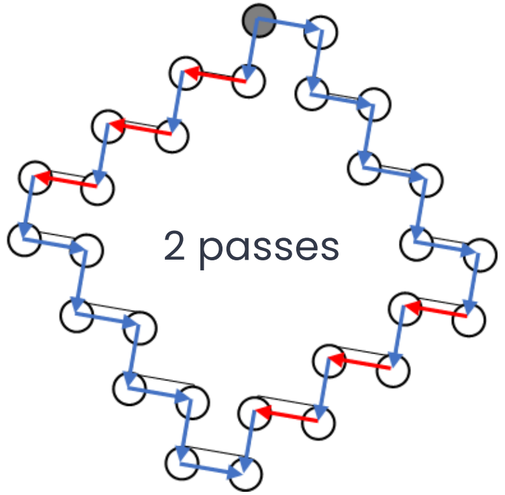


Decision Margin: OFF



More passes → Longer time

Decision Margin: ON



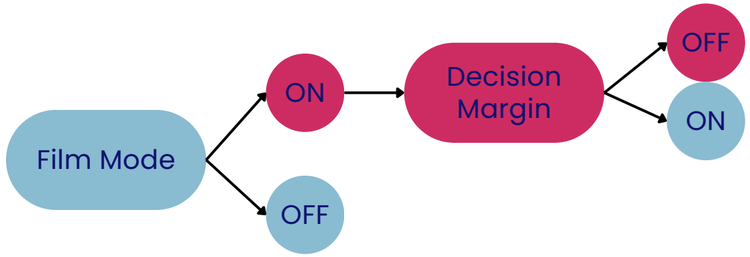
Less passes → Shorter time

Back Feed Cut

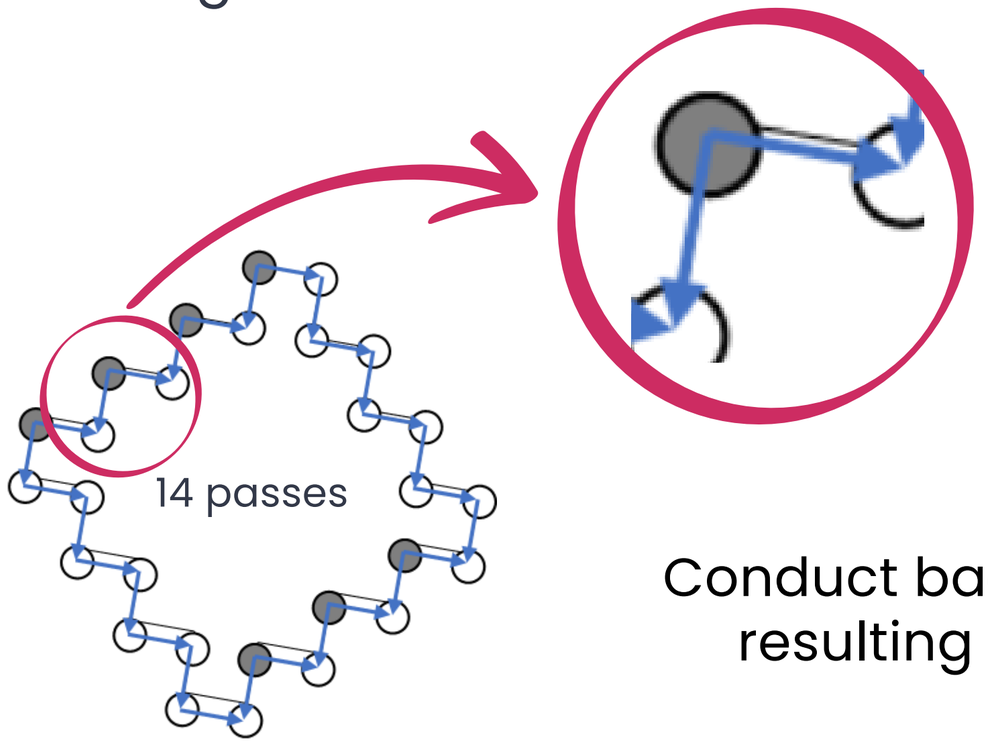
Front Feed Cut

GRAPHTEC

FILM MODE – ON



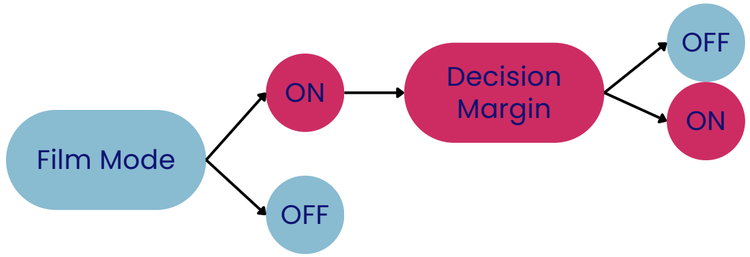
Decision Margin : OFF



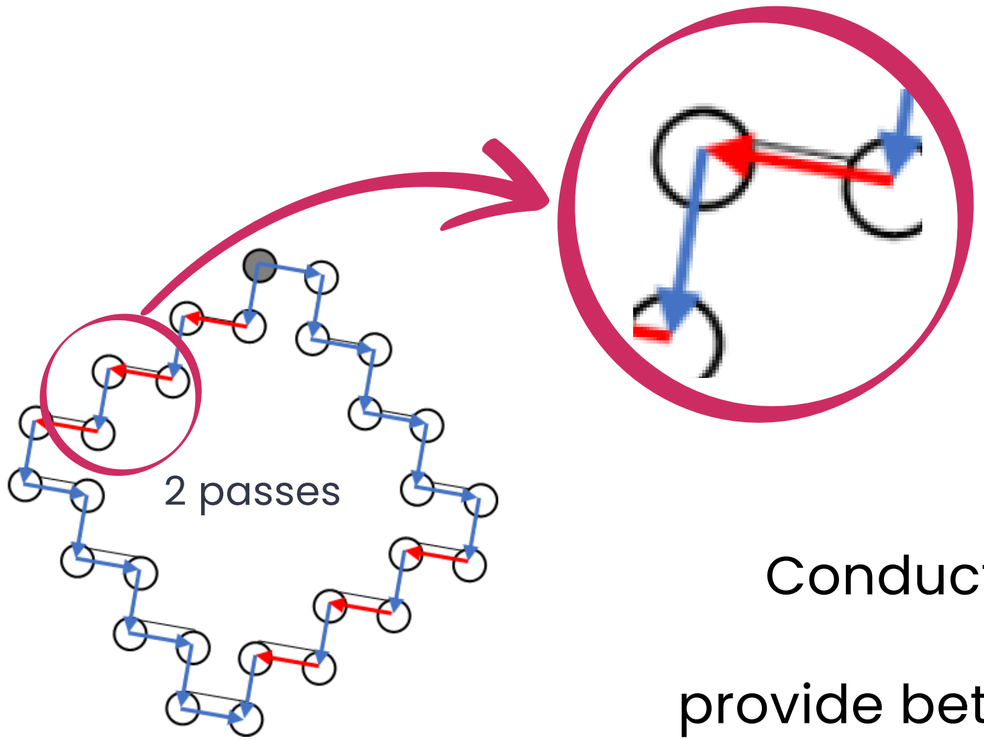
Conduct back feed cut for every single x-direction cuts, resulting in more passes and requiring more time, less productive

GRAPHTEC

FILM MODE – ON



Decision Margin : ON



Conduct back feed cut only for x-direction cuts
over the margin,
provide better balance between speed and accuracy