A4 WIDTH ADJUST LIMITER

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A4 Width Adjust Limiter

Width Adjuster is used in printers to correctly align the media to the printer for best printing quality. Especially on printers that do not have media width sensing capability during printing. The accuracy of the side to side printing is greatly dependent on the accurate alignment of the media to the intended location with respect to the printer during loading of the media.

Another area that width adjuster can help improve on the quality of the printout is skew, which is a measure of the “squareness” of the content being printed with respect to the media. In its severe form, skew may also lead to media damages, and in the worst case, result in media jams.

From testing and development of printers, it has been established that with proper use of the width adjuster, skew issue can be greatly mitigated.

In short, correct use of the Width Adjuster helps to mitigate 3 issues:

- Print content side edge accuracy and
- Skew performance.
- Media damages or jam due to severe skew

In market such as India, where the predominantly used size of media is A4, user sometimes either forgets to use, is not aware of the existence of the width adjuster, or simply do not have the habit of using it to adjust the media on the input tray during loading. Thus, leading to some or all the issues listed above.

To address this issue, past approaches have always been to “highlight” or make user be aware of the presence and use of the width adjuster via labels or instructions in the user manual. But nothing was done to cover scenario where users either forgets or choose not to use the width adjuster during loading of media.

Intent of this invention is specifically targeting regions where the users primarily uses A4 plain media, and letter size media is almost never or seldom used.

This invention is a removable part that is installed to the printer as a default for such regions, to limit the maximum width of media that can be loaded from letter to A4. By doing so, users, by default, would not need to adjust the width adjuster while doing their normal print job on A4 plain media.

The advantages of this design over other option includes:

- A common design for multiple products
- Optimized tooling and part cost by combining volumes from multiple products.
- Load and unload as required.

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Diagrams and illustrations

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Width Adjuster

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