TIFF Assembler Plus Flexo Edition Version 5.0

Maximize productivity with simplified file preparation and output

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Gain exceptional control in layout creation

TIFF Assembler Plus (TAP) Flexo Edition Version 5.0 is an integral component of every FLEXCEL NX System, and provides efficient tools for manipulating, reviewing and arranging 1-bit TIFF and LEN files in layouts for plate making. Operators can quickly and easily:

- Design plate layouts with a range of output settings.
- Directly drag input files into layouts and hot folders for automated processing and output.
- Use a preview mode to inspect layouts, individual separations, and output files.
- Generate ACM, CF2, and EPS output files that work seamlessly with a wide range of plate cutting tables. To streamline operations, the cutting files are created at the same time as the layouts, reducing the time required to prepare files for final output.

Unlock your NX Advantage

Use specialized NX tags to apply powerful Advanced surface patterns and patented Advanced Edge Definition to FLEXCEL NX Plates:

- Optimize ink transfer
- Drive print efficiency and quality benefits
- Customize a single plate type for optimum performance in the target application

TIFF Assembler Plus makes it easy to selectively apply different NX tags to each separation per layout and embed the pattern data in the output file to deliver exceptional advantages in the pressroom.

Optimize media usage, reduce solvent spend

TIFF Assembler Plus provides powerful tools to assemble files, crop images, embed masks, and position separations for optimal plate usage and waste reduction.

- Cut down on plate processing costs with a simple feature that automatically inverts the non-imaged areas of the plate
- Less photopolymer to wash out
- Less chance of redeposits
- And a clever pattern that even helps the plate lie flatter after processing

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Simplify your operations

TAP 5.0 is designed to deliver productivity while reducing complexity. The user interface is now translated in 11 different languages to ensure the best experience for your operators. New cutting table enhancements and automatic backups are just some of the ways TAP has been optimized for reliability. Meanwhile, the connected support experience at the heart of your FLEXCEL NX System ensures rapid diagnosis and support for any problems that may arise.

These are just some of the ways TAP 5.0 continues to deliver the quality and capability customers have come to expect from FLEXCEL NX.

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	Technical specifications for TIFF Assembler Plus Flexo Edition Version 5.0		
Supported file formats	INPUT FILES: Input files—1-bit TIFF, LEN Input file compression formats—PACKBITS, LZW, CCITTFAX4, CCITTRLE, CCITTFAX3 Note: *ZIP format is not supported*	OUTPUT FILES: Layout output files—1-bit TIFF, LEN Cutting output files—ACM, CF2, EPS Descreen output files—TIFF, PDF	
Qualified cutting tables with ACM cutting file format	KONGSBERG XL, KONGSBERG XL20, KONGSBERG XN, KONGSBERG XN22, KONGSBERG V20 ZUND G3 M-2500		
Reporting options	Media usage report—PDF, HTML, or XLS; Print summary report—PDF		
Advanced NX features and corresponding NX tags	DIGICAP NX, HYPERFLEX NX, and Dot Enlargement settings can be specified for TIFF files via Preview or Layout mode, layout presets, or customized Esko variables. NX tags embed the values in the TIFF data, which TIFF Assembler Plus applies when outputting the layout.		
	DIGICAP NX Patterning Implementing the correct DIGICAP NX pattern helps ensure optimal ink flow and solid coverage for specific inks (process, spot, and/or white), anilox volumes, and other press variables of a specific print condition. NX tags—A00, A01, A02, A03, A04, A05, No	HYPERFLEX NX imaging For FLEXCEL NX customers who already do a good job of printing highlights but encounter occasional problems with extreme highlights, a selection of settings can help improve highlight performance and provide greater latitude for platemaking and press impressions. NX tags—HF1, HF2, HF3	Dot Enlargement This feature helps dots form properly and be robust in print. In areas such as highlight edges and tone transitions, any dots smaller than a user-specified threshold will be enlarged to that size, where possible. This feature is only available for 2400dpi and 4800dpi. NX tags for 2400dpi - No, 1x2, 2x2, 2x3, 3x3, 3x4 and 4x4. NX tags for 4800dpi - No, 3x3, 4x4, 5x5, 6x6, 7x7 and 8x8
Output resolutions	With DIGICAP NX applied—4800×2400, 4800×4800, 9600×4800 No DIGICAP NX applied —2400×2400, 2540×2540, 4800×4800, 9600×4800, Custom		
Operating systems	MICROSOFT: WINDOWS Professional versions 10, 7 WINDOWS Server versions 2019, 2012 R2, 2008 R2	APPLE: MAC OS Big Sur (Version 11.2) MAC OS Catalina (Version 10.15) MAC OS Mojave (Version 10.14) MAC OS High Sierra (Version 10.13)	
Required hard drive installation space	On WINDOWS—500 MB (minimum) On MAC—200 MB (minimum)		
Hard drive space for operations	2 GB free space (recommended)		
Licensing	To license the software, you must use the Product Serial Number provided by your service representative. One installation serves as a site-license host, with any number of client installations on the same network.		
	Technical specifications for FLEXCEL NX Workstation		
Workstation components	DELL T340 Server or later version, 24" monitor, NVIDIA Graphics Card and GNIC		
Hardware specification	2x1TB drives (RAID1 configuration) with a 500GB System drive partition and a 500GB Data drive partition, 16 GB RAM		
Operating system	WINDOWS Server version: 2012 R2		

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