ElecRoc version 6 package and optional list

Package or Optional	Brief Introduction
RIP Level package	PDF Generator(1) + Client(1) + PDF Rasterizer + 1 Bit TIFF Export + Ganging+ Color/Mono Printer + Founder FM + EagleAM 7.5 + Ink Histogram
BASIC package	PDF Generator(1) + Client(5) + PDF Rasterizer + 1 Bit TIFF Export + Imposer + Pre-RIP Proof + Ganging + PDF Export + PDF Merger + Color/Mono Printer + 3D Preview + EagleAM 7.5 + Founder FM + Backup/Archive + Ink Histogram
PDF Generator(1) + Client(5)	PDF Generator and Client are the essential functions of any ElecRoc workflow. PDF Generator converts source files of various types (such as PS, EPS, PDF, TIFF, and PRN) into PDF page files, a standard file type employed inside ElecRoc. During the conversion, PDF Generator can also perform font substitution if needed, and image compression. Most of the processors in ElecRoc accept only the PDF page files generated by PDF Generator. If the server has higher configuration, two or more Generator processors can work parallel. Client is the operation station of ElecRoc, it works on both PC and Mac system, most of commands and job processing are working on client. The amounts of client is from 1 to 50.
PDF Rasterizer + 1Bit TIFF Export	PDF Rasterizer is a PDF RIP, it can convert PDF page files or signatures into bitmap files, and output 1-Bit TIFF files into an intended folder. PDF Rasterizer includes functions of screening parameters, screen level spot color remapping, plate calibration curve, dot gain on press machine, etc.
Imposer	ElecRoc's Imposition Processor allows users to apply imposition signature templates to CTP jobs. Users can configure all the parameters, such as binding type, creep control, bleed control and page location control. Printing method includes single-sided, sheetwise, work and turn, work and tumble and perfector printing. It supports multi parts imposition, and smart marks. Users can also see previews instantly and make last minute changes to their impositions, such as change the value of gripper in order to print on other press machine. The final imposition is JDF based, thus increasing processing speed.
Ganging	The processor is an auto ganging module, you can get the signature by the ganging rule. Mostly it is used for making film.
PDF Export	The processor is exporting PDF pages to a specified path.
PDF Merger	PDF Merger is merging PDF pages into single or multiple PDF pages. It includes merge signatures to single or multiple pages.
Pre-RIP Proof	Pre RIP Proofing module which accepts PDF files and produces accurate output predicting color and content.
Color/Mono Printer	It is printer processor, outputing jobs to Windows printer with color or mono colors.
3D Preview	3D Booklet Preview displays a flash animation of page turning in reader's spreads. Proofing with 3D Booklet Preview shows the final effect of paginated jobs more accurately.
EagleAM 7.5	Supports 7.5 degree offset while screening. Adopts new screening technology, plus or minus 7.5 degrees based on previous angle. Better reproduction of gradient shading, overprint effect of tint and skin color.
Ink Histogram	This function enables to display or print ink amount map of each ink zone.
3rd party preflight enabler	Enfocus preflight profiles enabled.
Backup/Archive	Backup and restore the job ticket, templates, parameters, profiles, and PDF / 1 bit tiff files, etc.

Quality and Efficiency Options	
Preflight	ElecRoc has a comprehensive PDF preflight module, it checks out the errors or warning items of the jobs, and indicates their position on PDF files. It contains more than sixty items to check out, such page, image, color, fonts, etc. Preflight template settings specify automatic or manual operation. Users can easily navigate to objects flagged by preflight results to check.
Global Trap	Founder Auto Trap supports vector and raster based trapping, supports general trapping and black trapping. Founder trap is based on powerful parameter template settings. It supports trapping between graphics and images, including transparent images and bitmaps, along with spot colors, and generates smooth sliding traps between bidirectional gradients.
Zone Trap	Zone Trap is used to select area within a job which you setup special trapping parameters, it includes
Hi-Fi Print	Separate CMYK or RGB into orange, green, blue planes and CMYK, it is up to 7 colors.
Screen Load Balancing, Every 1 Licesnes	More screen load balancing means faster process on PDF Rasterize.
Proof Load Balancing, Every 1 Licenses	More proof load balancing means faster process on proofing module.
PDF Process Options	
PDF Tools (Page Clipper; Margin Adjustment)	PDF Optimize tools, including spot color rename, spot color mapping* (PDF level spot color management), clipping jobs and change margin values.
Double Burn	Allows for merger of two PDF pages into one.
PDF Compare	Compare two PDF files to check out the difference.
Page Substitution	Compare two PDF files and replace one by another.
Composer	Composer is a manual imposition, you can edit the position of each jobs on one layout, and the imposition templates enabled. The brand-new ganging module provides powerful ganging functions to meet requirements of proofing, short-run printing and commercial printing. It supports double sided interactive ganging, auto ganging, auto bypass, step and repeat, automatic page numbering, auto marks, etc. The new ganging meets the requirements of the most complex binding types.
Screen and Ink Control Options	
CIP3 Ink Control Export	Option to produce CIP3 Print Production File (PPF) files, enabling ink-keys to be set quickly and easily on the press, in order to save time, ink and paper.
EcoInk (Ink Saving)	Ink saving module that can optimize the CMYK values of jobs in order to save cost of ink. It is a PDF level ink saving. EcoInk is a built in color management module developed by Founder, it converts color accurately by loading open industry standard or the customer's ICC profile. Different ink saving parameters can be set up according to different press requirements and degrees of ink saving desired. EcoInk controls RGB and CMYK images, graphics and spot colors. EcoInk can generate ink savings up to 20%.
Screen EcoInk*	Screen EcoInk is based on ICC profiles to save ink, the CMYK values were optimized while screening. Compare with EcoInk, it is a screen level ink saving, and it contains ink amount statistics which was saved in the job.

Post-RIP Proof	Post-RIP proofing is the module which accepts 1 bit tiff files and generates dot-precise proofs predicting color and screen on proofing paper. It includes quick blue printing.
EagleAGS T-Shape	Gravure screening of T-shape.
EagleAGS Pincushion	Gravure screening of pincushion shape.
EagleAGS Hexagonal	Gravure screening of hexagonal shape.
EagleFAM	EagleFAM is hybrid screening, is based on the technology that utilizes 7.5 degree shifted angle screening in midtones and adopts FM screening in highlights and shadows. It overcomes the weaknesses and combines the advantages of both conventional AM and FM screening. It achieves stable quality by using AM screening in midtones, and eliminates rosettes and moiré patterns. Reporduces dots ranging from 1% to 99%. Perfect press responsiveness and high output efficiency.
EagleFAM-F*	EagleFAM-F screen is based on EagleFAM hybrid screening, only supports devices resolutions of 1200dpi & 1270dpi, to output frequency at 150lpi or 200lpi.
EagleFM (2nd Order)	EagleFM is based on green noise FM technology & Founder 2nd FM technology using variable dot size and variable spacing. Control the randomness of dots, ensuring smooth transition of continuous tones, keeping details in overlapping colors. Light area and shadow areas can use different dot sizes for ease of use on press and expanding the color gamut. It provides more saturated color and better press responsiveness.
FlexoRound1/2 screening*	It was designed for flexo printing with pure round dot shape, with special proceed within the dots.
Zone Screen	Different screening parameters can be used on different objects, such as you can using different dot shapes, different frequency, and different angle on several objects within one job.
PDF CMS	The new PDF Color Management module is a PDF-level CMS. It is easy to achieve all sorts of color transformations with its powerful functions, such as converting RGB job into CMYK, or converting color job into gray, and mostly you can use a standard output ICC profile to enable all the jobs meet the press machine. With PDF CMS, customers also can make Hi-Fi printing.
ReCalibration	This function ensures the same color appearance on one printer while it was used for a long time.
Proof on Printing Paper	This function enables proofing on printing paper including coated or uncoated paper, without the special proofing paper, you can save cost on proofing. It's one of the tech on color proofing/dot proofing. When we print with an Epson inkjet printer, usually we use a kind of special paper, the special paper is only for proofing, and it is very expensive. Under this function, this special paper is NOT needed, it is replaced by printing paper (for example: newspaper, uncoated offset, premium uncoated offset, text & cover, supercal paper, #coated groundwood, premium gloss and dull/matte coated). Obviously, printing paper is much cheaper than special paper. So the running cost is lower.
Export Options	
8 Bit TIFF Export	Output 8-Bit TIFF files into an intended folder, it is a low resolutions tiff, less than 600dpi, and use it to display on internet or print out.
1 Bit TIFF to PDF	Converting 1 Bit TIFF files into PDF files, dot shape and all other information included in this PDF. The PDF file is used as soft proofing on screen with PDF based remote verification.

Other Options	
Extra Client, Every 5 Licenses	More client licenses means more users work together concurrent.
Extra PDF Generator, Every 1 License	More PDF Generator means faster process on the PDF Generator.
RealDot Viewer*	It was designed for flexo printing, to check the dot shape, frequency, angle, or compare the tiff files, etc.
EagleJet P Series*	supports Founder EagleJet and other digital printers.
Variable Data*	variable data creator for digital printing.

Note: Marked with red star (*) is a new function in version 6.