

1. Triple pin registration

electromagnetic triple pin system can be adjusted with the highest precision to avoid wrong plate feed -
 - operator can choose small or big plate set with a touch of one button

2. Print basket

if you are printing from roll materials like film or paper, prints are going here to keep them safe even in big amount - perfect for digital everyday print production

3. UV LED box *

this is integrated with the unit exposure box for UV light sensitive PS plates - you don't need copy frame anymore
*option available with technical restrictions

4. Epson panel window

access to Epson panel is now possible all the time to give you more control outside of the box



5. Control tower

integrated control system of all critical elements: Hot Cube, registration, timer, shutter and size limiter. LAN and USB connectors are integrated and accessible from outside the box - all for your daily comfort

complete system for modern prepress studio

Operation of the 123ctp system is as simple as 1,2,3...

123ctp is complete, the most universal and cost effective system designed for modern prepress litho/offset studios.

Aluminum offset plates are imaged using a high-resolution pigment plotter and specialist software RIP. The plates can be placed directly in the offset machine or developed as conventional plates. 123ctp is ideal for the production of multi-color printouts on offset press with conventional halftoning (AM and Hybrid) - ruling up to 190lpi/2880dpi and stochastic screen (optional FM).

Features and advantages of the 123ctf system:

- Easy operation. Production from the first day of launch. Ready-Out-Of-The-Box Design
- software RIP - a very intuitive and easy to use with multilingual interface.
- The most economic version of the real CTP
- Production of film for screen/pad/flexo printing and photo prints - within the same machine !
- From your PC directly to plate using an adapted inkjet plotter,
- Operating costs are less than a set of currently used materials (film and plates)
- Low investment costs. Your investments will be returned even in a few months.
- Reduction of labor costs, no transport to/from an imagesetting company, efficient production.
- Various formats from B3+ to B0+ (depending on the set).
- Your potential competition does not know your clients !!!

Application:

The 123ctp system has been designed to prepare high-quality aluminium plates for offset/litho and in the same unit film matrices for other print techniques. Printers can benefit from an easy access to the CTP world and an independent, own prepress at a very low cost. Digital colour printing as added value and this is a great extension of printinghouse offer.

Two new product lines:

Comfortline - is the most sophisticated in case of precision and speed. With its horizontal, natural for major part of presses, way of placing plate you can have both - high quality and speed.

Econoline - vertical way of plate placement is similar like it was in past - this line, thanks to this vertical way of feeding - has savings in construction size. It is more affordable and still very universal solution.

Your **123ctp.com** dealer:



CTP - plate



CTF - film



POS - digital printing

universal solution for plate/film/digital colour printing

aluminium plate is not the only material you can use ...

Polyester-based film which is transparent foil to CTF imagesetting with high density. The film is used to produce high-quality matrices in four colors and in all formats up to a width of 1118 mm. The possible optical density corresponding to the silver-based films is up to 5D! Thanks to special techniques of point construction and machine heads control, the patented material coating provides excellent reproduction of 1-99% points at 2880 dpi. Micro-thin lines and internal areas are now perfectly mapped. No darkrooms, no chemicals, no troubles
 - your film for all printing techniques!

Self-adhesive foils and photographic paper - the print quality obtained from your new set is - photographic quality - professional studios use such an equipment to print large format printouts. If your client wants to order 10pcs of A1 poster - it is no longer a problem
 - you can do that in 5 minutes!

Canvas for printing reproductions of colour photographs

Banners and other plastics coated up to a thickness of 1.5 mm - to expose outside

Digital proofing paper - part of our system is in fact the 123ctp contract digital proof with possibility to do halftone, contour and Dot-to-Dot proofing.

The set of standard software can also be equipped with advanced software options like CIP3/CIP4, imposition, trapping or stochastic screening.

All graphics printed with your new set do not "stink". The inks used are free of aggressive and harmful solvents. Thanks to the set you can meet the most stringent European requirements for use of large format printing.

fast start - means fast income for you :

The 123ctp set is delivered as 3in1 design for your comfort since very first minute... Everything what you need to do your first plates, films and colour digital prints is included.

Every set is individually prepared for certain user - after the order user is filling short form where all necessary settings are pointed (like size of the plate, screen rules distance from the edge etc.) Thanks to that individual attempt to every machine - waste of users precious time is minimized.

It is really possible to start production - right after unpacking...

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key futures of new model line

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- Epson panel window/bay**
 access to Epson panel is now possible all the time to give you more control outside of the box
- Control tower**
 integrated control system of all critical elements: Hot Cube, registration, timer, shutter and size limiter.
 LAN and USB connectors are now integrated and accessible from outside the box
 - all for your daily comfort
- UV LED box ***
 this is integrated with the unit exposure box for UV light sensitive PS plates
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technical specification for Econoline +

Machine model size / 123ctp order code	B2+ / ET3	B1+ / ET5	B0+ / ET7
maximum plate size	800x613mm	1070x917mm	1480x1120mm
margins without print (Front/Back/Sides)	F 3mm/B 16mm/S 3mm		
plate orientation in the unit	vertical		
maximum roll media width	610mm	914mm	1118mm
maximum addressed resolution	2880dpix/2880dpi		
maximum suggested raster line frequency for AM hybrid screening	190lpi		
print repeatability in Y direction	declared by Epson 0.1% (normally achieved on plate 0.025%)		
mechanical plate registration accuracy	less than 0.05mm		
Ink usage for test file BIKE size 735x588mm (file available on request)	according to ISO/IEC24711 & 24712 speed settings 0.5€ /quality settings 0.8€		
printing speed for color poster mode (720x360dpi)	28 seconds A1 size		
Imaging speed for B3- size 123ctp test file (normal quality 150lpi CMYK)	9min 50sec (with horizontal placement)		
Imaging speed for B3- size 123ctp test file (text quality up to 120lpi)	5min 29sec (with horizontal placement)		
machine size ready to work (Hight x Width x Depth)	1680x1260x1700mm	1680x1600x2200mm	1680x1830x3050mm
additional operational space in front of machine	minimum 900mm		
movable basket depth	550mm	800mm	1250mm
back cassette depth	350mm	600mm	1000mm
maximum power consumption/power supply	1650W/230V-16A	2420W/230V-16A	3190W/230V-16A
maximum plate size for optional UV LED box	650x750mm	1150x750mm	1150x750mm
size of transportation box - main unit	1750x1480x1270mm	1750x1800x1270mm	1750x2020x1270mm
transport weight of main unit	173kg	203kg	233kg
size of transportation box - PC, basket, registration system	1000x1220x835mm	1000x1800x835mm	1000x2000x835mm
transport weight - second box	65kg	85kg	135kg
machine netto weight without PC	198kg	252kg	316kg
communication ports	USB, Ethernet		
working enviroment conditions	temperature 21C +-3C, humidity 55-65%		

Information included in above are published in a good will and according to present technical data.
 - however all data can be changed without noticing because of technical improvements in any moment.

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technical specification for Comfortline +

Machine model size / 123ctp order code	B3+ / CT3	B2+ / CT5	B1+ / CT7
maximum plate size	485x613mm	670x917mm	920x1120mm
margins without print (Front/Back/Sides)	F 3mm/B 16mm/S 3mm		
plate orientation in the unit	horizontal		
maximum roll media width	610mm	914mm	1118mm
maximum addressed resolution	2880dpix/2880dpi		
maximum suggested raster line frequency for AM hybrid screening	190lpi		
print repeatability in Y direction	declared by Epson 0.1% (normally achieved on plate 0.025%)		
mechanical plate registration accuracy	less than 0.05mm		
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machine size ready to work (Hight x Width x Depth)	1680x1260x1200mm	1680x1600x1400mm	1680x1830x1900mm
additional operational space in front of machine	minimum 700mm		
movable basket depth	550mm	550mm	650mm
back cassette depth	without	200mm	450mm
maximum power consumption/power supply	1650W/230V-16A	2420W/230V-16A	3190W/230V-16A
maximum plate size for optional UV LED box	like max plate size	like max plate size	750x1150mm
size of transportation box - main unit (HxWxD)	1750x1480x1270mm	1750x1800x1270mm	1750x2020x1270mm
transport weight of main unit	173kg	203kg	233kg
size of transportation box - PC, basket, registration system	1000x1220x835mm	1000x1800x835mm	1000x2000x835mm
transport weight - second box	55kg	72kg	85kg
machine netto weight without PC	183kg	233kg	261kg
communication ports	USB, Ethernet		
working enviroment conditions	temperature 21C +-3C, humidity 55-65%		

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