

The ECRM NEWSmatic CTP system enables newspapers to gain the benefits of CTP production without major capital investment - the ideal solution to replace aging imagesetter technology



ECRM NEWSmatic

ECRM NEWSmatic is a fully automated newspaper CTP system developed specifically for local or regional newspapers, currently using computer-to-film workflows. Its simple design provides the lowest purchase price in its class, with no compromise on quality, reliability or productivity. This enables a seamless transition to CTP production for little more than the price of a replacement imagesetter.

Simplicity

NEWSmatic incorporates a straight-through plate path with no complex load/unload cycle. Plates stored in light-tight cassettes are automatically fed to the integrated register system, which is compatible with a wide range of plate finishing and bending systems. Once registered, the plate is moved under the imaging laser by a patented precision drive system, before being automatically transferred to a suitable online processor.

NEWSmatic imaging

NEWSmatic has a reputation for reliability and delivers consistent high quality and imaging accuracy. It also easily accommodates a wide variety of plate thicknesses and formats.

Design features have been incorporated to make the NEWSmatic easy to integrate, operate and maintain, minimizing the ongoing costs of ownership.

Productivity

NEWSmatic has been developed to cope with peak-time requirements of small to medium newspapers, running single-width presses such as the Goss Community. NEWSmatic

throughput is 60-80 plates per hour at 1270 dpi depending on the use of photopolymer or silver halide violet plates, respectively.

Flexible formats

The ECRM NEWSmatic can accommodate the widest range of web widths and cut-offs up to a maximum double-truck or panorama format of 25" x 36.5" (635 x 927 mm). To provide added flexibility the optical configuration includes anamorphic resolution sets as well as image scaling from 85% to 110%.

Modular designs

The modular design makes it easy to switch between photopolymer and silver plates through a simple on-site replacement of the optics assembly. This gives maximum compatibility with the key CTP plates on the market, both now and in the future. It also facilitates simple maintenance routines, keeping costs to a minimum.

No hidden extras

NEWSmatic is a total solution that just needs plates and a processor to get you running. The following components are included:

ECRM NEWSmatic CTP platesetter – photopolymer or silver halide versions available

60-plate cassette – with trolley for easy loading

Computer platform – high specification Intel Pentium 4

CtServer software – enables easy integration to any 1-bit TIFF workflow

Processor bridge – online connection to a suitable processor

Easy installation/integration

The ECRM NEWSmatic occupies little more room than an imagesetter, uses standard power outlets, and is simply integrated into existing workflows through 1-bit TIFF compatibility.

Savings

In addition to the savings in materials, time and resources offered by an easy-to-use CTP workflow, NEWSmatic delivers savings on press, reducing makeready with faster registration and clean up. These time savings give higher press utilization, which in turn equates to fast payback and ongoing improvements in margins.



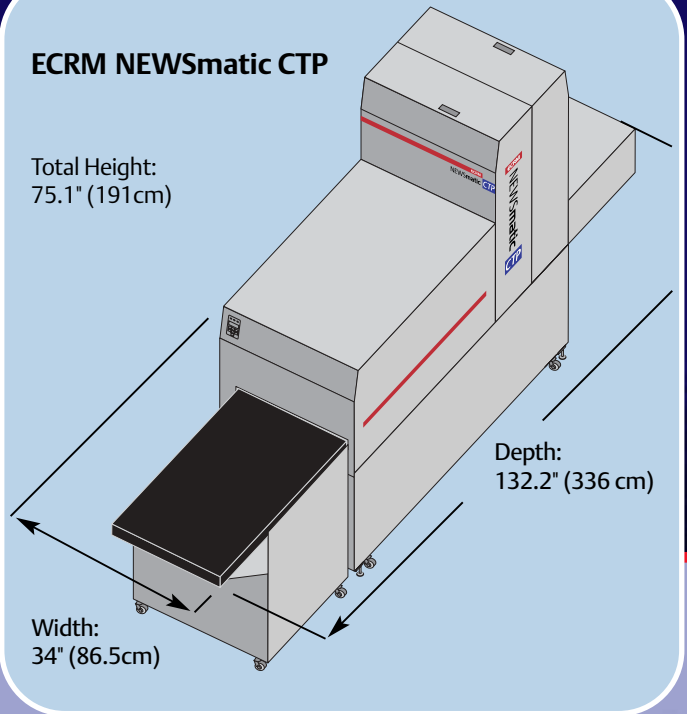
SPECIFICATIONS

ECRM NEWSmatic CTP

Total Height:
75.1" (191cm)

Depth:
132.2" (336 cm)

Width:
34" (86.5cm)



Single Broadsheet

Two Tabloids



Paired Double-truck



Panorama

Plate sizes

Maximum: 25" x 36.5"
(635 mm x 927 mm)
Minimum: 11.4" x 18.5"
(290 mm x 470 mm)

Media Types

Violet sensitive (405 nm)
photopolymer and silver halide
metal plates

Recording Source

Violet laser diode (405 nm),
available in two power ratings for
photopolymer and silver halide
plates

Image Scaling

Image scaling from 85% to 110% of
original

Resolutions

Eight resolutions from 1200 to
2540 dpi (47 to 100 dpcm).
Two anamorphic resolution sets
available – 1200 x 2400 and 1270 x
2540. Resolution sets dependent
on media type

Repeatability

0.001" (0.025 mm) typical over six
consecutive separations on plate.
May vary according to media type
and processing conditions

Processing

Online and fully automated

Environmental

Power: 100 – 240 Volts;
3 Amps; 250 Watt maximum;
50/60 Hz, single phase;
Heat dissipation: 850 BTU/hour

Weight

900 lbs (409 kg)

Operating Conditions

62 – 86° F (17 – 30° C); relative
humidity 45 – 65%, non-
condensing.

Relative Humidity outside of this
range may affect performance.
Operating conditions outside plate
media specifications may affect
performance

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All ECRM products carry the CE mark.
All products are CSA & CSA/NRTL certified.
Class 1 Laser Products.
ECRM's Tewksbury facility is ISO9001 certified.