



Well, 2012 in the Printing Industries didn't achieve any great improvements in most parts of the World. The Western economies and that of the USA continued to be in near recessionary conditions and that firmly impacted on the volumes of print. In the Middle East, uncertainty continues with problems in Egypt and the appalling civil war in Syria.

In Africa, as we noted last year, a number of the key economies continue to move forward. Investment in printing equipment and systems has increased again in countries such as Nigeria in the west and Ethiopia in the east. Such developments are not easily accomplished. By Western World standards, interest rates in those countries are very high. It's a tribute to the tenacious entrepreneurial skills of businessmen that projects do get underway.

Of course there were some brighter signs in 2012. The DRUPA exhibition in Dusseldorf appeared to be quite well attended by Hunter Penrose customers and busy with a good number of new developments.

In the UK, 2012 had some very notable landmarks. Our Queen celebrated her Diamond Jubilee—60 years on the throne and is now only just behind Queen Victoria who'd reigned for 64 years when she died in 1901.



As part of the Diamond Jubilee celebrations, a number of events were held in London. One of these was

The Diamond Jubilee River Pageant. This involved a flotilla of 1000 boats of all types, amongst which was the Queen's Barge, travelling in convoy from Vauxhall Bridge to Tower Bridge. It was an incredible sight. Our MD, John Sewell, had the honour of rowing in one of the boats in the manpowered section.

Then in August and September Great Britain hosted the 2012 Olympics and Paralympics. These turned out to be spectacularly successful as events and also for GB with a tally of 29 Gold medals and third position in the overall medal tables behind the USA and China.

These events certainly had the effect of lifting spirits and contributing to some much-needed growth in our economy.

We all join in hoping for continued improvements over the next year.

Happy printing in 2013

ECRM[®]
imaging systems

New drum platesetter

ECRM have launched the NAUTILUS platesetter. This introduces the latest advances in optical technology which produces the smallest and hardest dot on the plate. The result is high quality plate imaging with the lowest operating cost in the industry.

Nautilus was engineered to image all plate formats from 2 to 8-page signatures with resolutions from 1200 dpi to 2540 dpi. With a maximum format of 37.4" x 46.0" (950mm x 1170mm). The standard unit has production speeds over 18 Speedmaster 102 size plates per hour at 2400dpi. The Nautilus keeps multipress environments efficient through flexible, trouble-free performance.



- Engineered for quality with one of the smallest spot size in the industry supporting screen rulings over 200 lpi.
- Automatic spot size optimized for each resolution.
- Its violet laser technology supports traditional, lowchem, and chemistry-free violet plate technologies.
- Flexible – ECRM's patent-pending plate loading and registration system allows for support of a wide range of plate sizes.
- Nautilus employs a simple plate load sequence that will automatically register and punch plates within .001"
- High precision internal drum with vacuum-free operation.
- Available as a manual system or semi-automatic with connection to a Clean Out Unit or plate processor. Field Upgradable.
- Bundled with CtServer Professional – ECRM's enhanced 1-bit TIFF server. Our open-ended software system accepts 1-bit TIFF files – choose the solutions you want.

See detailed specification overleaf.

Nautilus Specifications

Plate Sizes	Maximum: 950mm x 1170mm (37.4" x 46.06") Minimum: 510mm x 400mm (20.08" x 15.75")
Plate Thickness	0.2mm to 0.3mm (0.008" to 0.012")
Media Types	Violet-sensitive photopolymer and silver halide metal plates. See media specifications for safe-light information.
Recording Source	120 mw violet laser diode (405 nm)
Resolutions	Five resolutions from 1200 to 2540 dpi Resolutions include: 1200, 1270, 1800, 2400, and 2540dpi
Maximum Line Screen	Over 200 lpi with AM. Over 350lpi equivalent with DMS. Media dependent
Repeatability	0.025mm (0.001") typical May vary according to media type and processing conditions
Processing	Manual transfer (with M version) or Online Configuration (with SA version) Plate transported automatically into the processor or COU.
Environmental	Power: 100 - 240 Volts; 6A Max; 50/60Hz, single phase
Interface	USB 2.0 High Speed. 3 meter host cable provided.
Operating Conditions	62 - 86° F (17 - 30° C); relative humidity 45 - 65%, noncondensing. Relative humidity outside of this range may affect performance. Operating conditions outside plate media specifications may affect performance.
Weight	500 kg (1100 lbs.)
Footprint - Manual Model	Width: 201.1cm (79.2") Length: 154.5cm (61") Height: 147.6cm (58.1")
Footprint - Semi Auto Model	Width: 201.1cm (79.2") Length: 172cm (67.7") Height: 147.6cm (58.1")



DM Screening

ECRM's DM screening digitally analyzes and modulates each and every pixel that it produces, rather than repeating a fixed pattern of dots (as in AM screening) or randomly marking a pixel (as in FM screening). The result is an unprecedented quality of screening, which is easy to plate and print using any ECRM CTP or polyester output device.

DM screening ensures that no dot is too small to plate or print, no 'non-dot' is too small to fill in and no dot or 'non-dot' is too large so as to be visible. Dots are created in a precisely controlled manner to ensure detail is placed exactly where it is needed, vignettes are smooth and flat tints are truly flat. DM screening intelligently modulates each pixel based on a thorough understanding of laser optics, plate technology, printing press behavior and ink flow to eliminate the effects of dot gain, resulting in the complete removal of patterning artifacts and graininess. This technique is especially suited to violet CtP devices.

Significant ink savings can be achieved, particularly with web presses.

Supported Devices: ECRM DPX Machines, ECRM Mako 2 / 4 / 8, ECRM Mako 2X / 4X / 8X, ECRM Mako 200/400/800, ECRM NEWSmatic/NEWS,

Operating Systems Supported;

- Windows 7, 2000, XP, Vista
- Mac OSX (10.4, 10.5, 10.6, 10.7)
- ECRM RIPMate revision 8.3 (or Higher)

www.hunterpenrose.co.uk/dm_data_sheet2.pdf



New training facilities from Hunter Penrose



Hunter Penrose offers training courses covering a range of aspects of the printing industry. We organise and plan these courses to match precisely the requirements of clients. Courses can be arranged to

cover for example:

- Technical developments – prepress, press and finishing
- Communication technology – printing and the internet
- Digital versus litho printing
- Graphic software courses
- Management systems
- Digital workflows
- Equipment operation and maintenance

All courses are designed on a bespoke basis in consultation with our clients.

We use our extensive supplier base and our wide network of industry experts to implement these courses.

A recent three week training course for senior engineers from the African Union in Addis Ababa included, for example, a seminar with Malcolm McCreath, an acknowledged Industry expert, a three day course at Leicester College, a video-conference with Luxemburg-based print production heads in the EU Commission, as well as a number of visits to equipment manufacturers and printers.

Our courses are fully comprehensive and structured. We include arrangements for accommodation and all travel and subsistence. At the end of the course a report summarising all aspects is produced and reviewed and certificates are awarded.

This is an ideal way to enable you staff to update their knowledge and experience. Courses are usually based in London, but may involve travel throughout the UK.

Contact David Thomas for more information davidthomas@hunterpenrose.co.uk



John Sewell (MD) and Carol Matthews with Hailu Seyoum and Shiferaw Demelash at a recent training course organised for The African Union in London

Artemis—thermal CTP



Over the past year, Hunter Penrose has made steady progress in marketing its competitively priced own-brand thermal CTP plate.

CTP has become the standard method of imaging, but the major US, European and Japanese plate brands still dominate the market for CTP plates and chemicals. With good reason: printers and repro companies prefer to pay the high prices for these big brands, rather than risk the possibility of poor or inconsistent quality with a cheap imitation.

The technology of thermal plates could however be delivered at a more competitive price, but our customers need the reassurance that any product supplied by us should be tried, tested and finally approved to market under the Hunter Penrose name.

Artemis, our own brand, has now been developed on the established principles of thermal CTP technology and is manufactured under ISO9001 conditions. The plate is compatible with universal CTP developers such as Hunterpress Thermal CTP Developer, and is available in 0.15mm and 0.30mm.

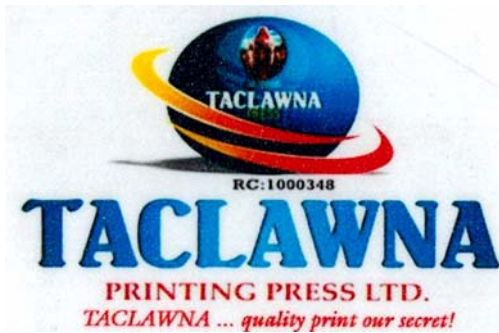
ARTEMIS T TECHNICAL DATA

Type:	Digital positive thermal CTP plate
Substrate	Electro-chemically grained anodized aluminium
Sensitivity	Infrared laser 810-830nm
Exposure energy	120-180mj/cm ²
Resolution	2-98% at 200lpi
Run length	150, 000 impressions unbaked
Recommended developer	Hunterpress Thermal CTP Developer
Processing temperature	25 – 27°C
Processing speed	26-30 sec

Download data sheet for the ARTEMIS T thermal plate here:

www.hunterpenrose.co.uk/120628%20Leaflet%20Artemis%20T.pdf

For Violet Photopolymer platesetters, such as the ECRM range, we market the ARTEMIS V plate.



The Apostolic Church is a Pentecostal Christian denomination which can trace its origins back to the 1904–1905 Welsh Revival. Despite the relatively recent origin of the denomination, the church seeks to stand for first-century Christianity in its faith, practices, and government.

The worldwide vision of the church is evidenced by a strong missionary concern. The movement, which commenced in Welsh-speaking villages of south Wales had, by the end of the 20th century, grown to over six million members in more than 70 nations. The largest national church is the Apostolic Church of Nigeria, with over 4.5 million members and a national convention centre that seats over 100,000.



The TACLAWNA Convention Centre—Lagos

In the early 1980s the leaders of the church in Nigeria established TACLAWNA Printing Press to print literature for the Church. In 2004 an enlarged press was inaugurated by the Late Pastor S S Jemigbon. This operation developed over the years, but in April 2008 a new Board,



The new TACLAWNA PRESS factory

under the Chairmanship of Overseer Dr E A Ojo, was formed in order to place the Press on a much bigger footing in order to fully satisfy the needs of the Church as well as capitalising on the commercial opportunity in Nigeria for high quality printing. A new multi—million Naira press building is nearing completion. In the early part of 2012 discussions took place between the TACLAWNA Board and Hunter Penrose regarding equipment and systems for developing the press facilities.



Dr E Ojo, Dr G Olutola and David Thomas

In July a Partnership Conference was convened in Lagos at which the the National President, Pastor Dr G O Olutola and the TACLAWNA Directors outlined the objectives and aims of the new venture. Hunter Penrose Sales Director, David Thomas, made a presentation at this conference.

In October The TACLAWNA Board visited Hunter Penrose in the UK to discuss and review equipment and systems. Subsequently agreement was reached and the order confirmed with Hunter Penrose.

The equipment includes a state-of-the-art computer-to-plate system, a five colour A1 offset press, a digital A3+ press, and a range of finishing equipment. This equipment in conjunction with existing items will greatly expand the production capabilities of TACLAWNA Press and enable it to reach new quality and volume output standards. Installation and commissioning will be completed early in the first quarter of 2012.



John Sewell, MD of Hunter Penrose notes: ‘We feel privileged to be able to act as a partner in this project with the TACLAWNA Directors. It will be an exciting development and we look forward to working with TACLAWNA to help them deliver the full benefits which will arise from this very significant investment.’

HUNTERPRESS PRESS CHEMISTRY

Economy means different things in different situations. Economy sometimes describes rather poor quality (as in economy class). Economy can even refer to a nation's finances ("It's the economy, stupid"!?). Greek οἰκονομία literally means simply "household management" or "stewardship" – in other words: looking after something properly.



This year, there have been several cases among Hunterpress users, where economical practices in the pressroom have delivered improved quality, reduced waste, and increased profit.

For example, the case of the automatic wash-up system. The owner of a superb Heidelberg long perfecting press had been producing high quality commercial colour work for several years, but even with the best European inks and carefully controlled dampening conditions, the ink was often slow to dry, and the printed work even retained a smell of ink long after production.

Eventually, after careful analysis of all conditions on the press, it was found that the water-wash phase of the automatic wash-up system was not being used, because the blanket and roller wash appeared to be working well without water, and it saved time to reduce or omit the water phase.

But like most FOGRA approved blanket and roller washes, the wash contained surfactants so that it could mix readily with water to remove water-soluble debris such as gums and salts from the blankets and rollers. Without using water, the surfactant from the wash was being deposited in the pores of the rollers and building a hydrophilic layer. All the rubber surfaces, though apparently clean, were no longer effectively transferring ink. The ink emulsion and consequently the ink film weight and drying properties were thus compromised.

After cleaning all the rollers manually with **Hunterpress Colour Change Paste** and the blankets with **Hunterpress Power Treatment** and then plenty of water, the wash cycle was re-set to include the water phase. The results were astonishing. The ink on the rollers was reduced and much more easily controlled. Less dampening was needed. Drying was improved and less anti-setoff powder needed. Wash intervals became longer, resulting in a reduction of paper waste.

It is OK to omit the water-phase of the automatic cycle, so long as a non-water-miscible wash is used, but remember to wash up with water at the end of each job.

HUNTERPRESS BLANKET AND ROLLER CLEANING PRODUCTS

A60 Auto Wash	Automatic, FOGRA approved formula	Water-miscible, medium drying
4010 Wash	Automatic / Manual	Water-miscible, faster drying
Fresh Wash	Manual / Automatic	Water-miscible, (50:50 with water): leaves no surfactant residues
GP Wash	Manual	Water-miscible
Solo Wash	Automatic / Manual	Non-water-miscible, no surfactants

HUNTERPRESS BLANKET AND ROLLER TREATMENTS

Power Treatment	Liquid de-glazer / deep cleaner for rollers and blankets.
Colour Change Paste	Paste de-glazer / deep cleaner for rollers and blankets.
Calcium Removing Gel	Removes calcium salts from rollers