

# PINDAR

Plant list and production capabilities



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# PINDAR HOUSE

Eastfield - plant list and production capabilities



## Pre-press

### Scanning capability

- CREO Renaissance copy dot film scanner

### Proofing capability

- EPSON 4800/7800
- GMG colour management
- OKI c9600HDN colour laser proofer
- 2x HP3500 24pp x A4 improof
- Prinergy Insite remote proofing system, includes inspection, approval, upload and download of files via internet

### Workflow

- Prinergy Connect 3.1, PDF native workflow system
- Apple Macintosh
- PC
- One Vision Speedflow Flightchecking
- Print Link CIP3 connectivity

### Media

- CD-ROM
- DVD disk
- Most data formats

### Data storage

- 1.5TB work in progress distributed RAID storage (on-line)
- 3200 GB DLT Jukebox (final archive data)

### Output

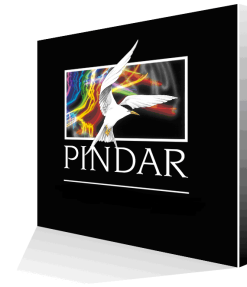
- Staccato stochastic screening capability
- 2 x Creo Quantum Squarespot Trend Setter VLF 5067 (CTP)

### Software

- All major software in both Mac and PC formats are supported

# PINDAR HOUSE

Eastfield - plant list and production capabilities



## Web offset presses

### Man Roland Lithoman III

- Short grain, 40pp A4 press
- 5 unit colour press. Fragrance, spot-colour & varnish applications.
- PECOM II press control system
- CONTIWEB Ecocool hot air dryers with integrated afterburner pollution control
- WEKO silicone applicators
- Quad Tech (RGS V) register controls with anti-ghosting software
- Stork re-moisturisers
- Quad Tech cut off controls
- Inline clinch-stitch and trimming systems
- MEGTEC DLC reelstand
- Arcade dampening systems
- Oxy Dry blanket washers
- Central ink distributor
- QTI Closed loop colour systems with grey balance control and integrated ribbon compensation
- Cut off 890mm
- Max. web width 1540mm

### Man Roland Lithoman IV 5 unit colour\* 48pp web press

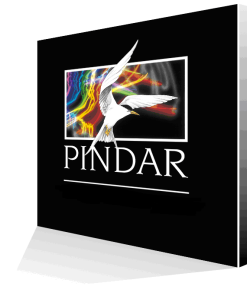
- \*5 unit colour press. Includes specially configured unit for the addition of multiple micro-encapsulation fragrances, plus normal spot colour and varnishes
- PECOM II press control system
- MEGTEC TNV hot air dryers with integrated afterburner pollution control
- WEKO silicone applicators
- Quad Tech (RGS V) register controls with anti-ghosting software
- Eltex re-moisturisers
- Quad Tech cut off controls
- Planatol combiject '7' spine gluer and softener and inline rotary trimming systems
- MEGTEC DLC reelstands
- Technotrans dampening systems
- Oxy Dry blanket washers
- Silo fed automatic pumping systems
- Civiemme ST320/220 TS automatic stackers with palletisers
- Integrated Rima-Schneider rotary trimming/delivery systems
- Cut off 1240mm
- Max. web width 1460mm

### Man Roland Lithoman IV 4 unit colour 48pp web press

- PECOM II press control system
- MEGTEC TNV hot air dryers with integrated afterburner pollution control
- WEKO silicone applicators
- Quad Tech (RGS V) register controls with anti-ghosting software
- Eltex re-moisturisers
- Quad Tech cut off controls
- Planatol combiject '7' spine gluer and softener and inline rotary trimming systems
- MEGTEC DLC reelstands
- Technotrans dampening systems
- Oxy Dry blanket washers

# PINDAR HOUSE

## Eastfield - plant list and production capabilities



### Man Roland Lithoman IV 4 unit colour 48pp web press (ctd.)

- Silo fed automatic pumping systems
- Civiemme ST320/220 TS automatic stackers with palletisers
- Integrated Rima-Schneider rotary trimming and delivery systems
- Cut off 1240mm
- Max. web width 1460mm

#### *Folding options*

- PWF 51 folder with auto change and twin stream delivery
- 24pp A4 (210 x 297mm trimmed size) portrait and landscape
- 48pp A4 (210 x 297mm trimmed size) portrait and landscape
- 2up x 24pp (double parallel fold) (210 x 147mm trimmed size)
- 2up x 48pp (double parallel fold) (210 x 147mm trimmed size)
- 12pp tabloid (472 x 305mm trimmed size)
- 24pp tabloid (472 x 305mm trimmed size)
- Special folds including delta products, in-line finishing of single section products up to 64pp

### Man Roland Polyman 5 unit colour 16pp web press

- PECOM 11 press control system
- Stork Contiweb hot air dryers with integrated afterburner pollution control
- WEKO silicone applicators
- Quad Tech (RGS V) register controls with anti-ghosting software
- Quad Tech cut off controls
- Planatol combiject '7' spine gluer and softener
- Stork Contiweb reelstands
- Technotrans dampening systems
- Oxy Dry blanket washers
- Silo fed automatic pumping systems
- 3 x Civiemme ST120 TS automatic stacker with palletiser
- Cut off 630mm
- Max. web width 965mm

#### *In-line sheeter*

- Paper range 65 to 200gm<sup>2</sup>
- Variation – maximum tolerance is +/- 0.75mm front to back  
maximum tolerance is +/- 0.5mm laterally

#### *In-line perforating*

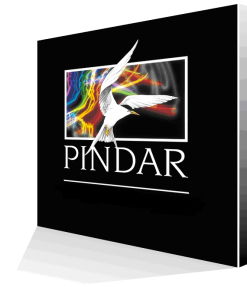
- Capable of running up to four perforations in variable (lateral) positions on the web in the direction of the web.

#### *Gluing facility*

- The facility exists to glue in the direction of the web through the press. In-line rotary trimming is also available.

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### *Folding options*

- 8 page A3 tabloid
- 12 page square tabloid (300 x 300mm)
- 16 page A4 landscape/portrait
- 24 page 'Slim Jim' (300 x 150mm)
- 2x 16 page A5 DP
- 24 page Delta (max. 196 x 231mm)

### *Paper range*

- Quarter fold - 30 to 135gm<sup>2</sup>
- DP – 30 to 115gm<sup>2</sup>
- Delta – 30 to 90gm<sup>2</sup>

(Note: All presses have pollution control equipment and meet EU regulations)

## Finishing equipment

### **Muller Martini Corona Perfect Binder**

- 10 x stations/hoppers each with stream feeders plus stream feed cover feeder
- 3691 gatherers with reject conveyor
- Full automation of job formats allowing fast repeat make readies
- ASIR 3 automatic signature recognition
- 2x gluing tank units, 1x side gluing unit. Hot melt and PUR spray application option
- 2x milling units, 1x fibre roughing unit, 1x notching unit, 2x nipping units
- Central saw for 2up binding
- 24" pitch for double parallel A5 and tabloid requirements
- Book block feeder to enable high pagination binding
- 3672 in-line three knife trimmer, plus stacker and turner, in-line shrinkwrapper
- Film wrapping and automated handling via Fanuc/Rima
- Spine thicknesses from 2mm to 60mm
- Various sizes from 100mm x 140mm upwards

### **Muller Martini Norm Perfect Binder**

- 20 x stations/hoppers each with stream feeders, plus stream feed cover feeder
- 3681 gatherer with reject conveyor
- 38 clamp station norm binder
- 2x gluing tank units, 1x side gluing unit
- 2x milling units, 1x fibre roughing unit, 1x notching unit, 2x nipping units
- 3670 in-line three knife trimmer, plus stacker and turner, in-line shrinkwrapper
- Film wrapping and automated handling via Fanuc/Rima
- Spine thicknesses from 3mm to 60mm
- Various under and over standard A4 sizes available
- ASIR 2: Optical recognition system (scans sections to ensure they cannot be mixed up)

### **Muller Martini Tempo Saddle-Binder**

- Four feeders, plus stream feed cover feeder with compensating stacker
- Three knife trimmer
- Log feeders: latest design to facilitate high speed section feeding
- ASIR 2 optical recognition system (scans sections to ensure they cannot be mixed up)
- Base size is A4 products but min/max widths are 150mm / 230mm
- Electrostatic 'nailing' and polybanding in-line



# PINDAR HOUSE

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T700 folder

Polar 115EMC guillotine

- Full material handling system
- Computer precision facility, programmable positioning – auto-cut facility
- Cutting width 1150mm

Pallamedies bander/stacker

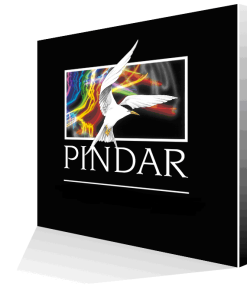
- Counter, bander and stacker that can be attached to folders or stitching lines

Automatic carton erecting machine

Mallis automatic pallet wrapping line

# VENTRESS HOUSE

Eastfield - plant list and production capabilities



## Pre-press

Creo Prinergy Version 3.0.3

### Scanning capability

- Fujitsu page scanner - B/W A4, 600dpi, 60ppm
- Epson 4990 - A4 colour scanner, 2400dpi, 10ppm

### Origination

- Comprehensive typesetting service
- Qualified Proof Readers

### Proofing capability

- OKI 9600n - colour postscript level 3 laser printer SRA3, 1200dpi, 27c/40bw
- Océ 3165 B&W postscript level 3 laser printer SRA3, 1200dpi, 27c/40bw
- Samsung ML3050 A4 Mono Printer

### Storage

- 1x X-Serve (PowerPC) – Raid
- 1x X-Serve (Intel Processor) - Raid
- 1x Overland Storage Rack mounted LTO 16 Tape Backup Device.
- 1x Dell Server – Kodak Prinergy
- 1x Dell Raid5 – Kodak Prinergy
- 1x Dell Server – Kodak InSite Prepress Portal
- 1x Formac Firewire External Hard drive

### Hardware

- 4x production G4 Macs running OSX Tiger
- 2x production G5 Macs running OSX Tiger
- 1x production MacPro running OSX Tiger
- 1x development MacPro
- 7x Dell 22" Monitors
- 2x Xerox 19" Monitors
- 1x CTX Monitor
- 2x production PC's
- All major software in both Mac and PC formats are supported

### Media

- FTP
- DVD/CD Re-Writer
- Kodak InSite

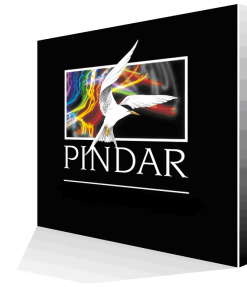
### Software

- XMPie Software Suite
- (U-Image, U-Produce, U-Create Interactive U-Plan)
- All major software packages in both Mac and PC are supported. Pindar will acquire any software necessary in order to meet our client's requirements where appropriate.



# VENTRESS HOUSE

Eastfield - plant list and production capabilities



## Digital presses

2 x Xerox iGen3 110

- (connected via DocuSP and CMI Colour/Management)

3 x Xerox DC242

- (connected via DocuSP)

2 x Xerox DC2101

- (connected via Fiery EX2101)

1 x Xerox 3535

- (connected via EX3535)

Xerox 2045 – colour

- Colour output 45ppm maximum
- Cut sheet stacking
- Three input trays
- One unit
- A4-SRA3 sheet fed

8 x Canon CLC3220 Colour Laser copiers

Océ Variostream 7450 Mono with IBIS booklet maker

- Static or full variable data printing
- Change pagination on the fly so every concurrent book can be a different pagination
- Rima counter stacking in-line
- 300-457mm reel width

Océ Variostream 7400 Mono with Hunkeler sheeting facility and Duplo booklet maker

- Static or full variable data printing
- A3 sheet delivery /2up slit A4 /3up A5
- Rima counter stacking in-line
- 300-457mm reel width

IBM Infoprint 2000 Line 1 – mono

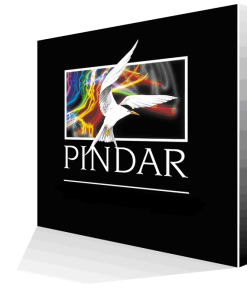
- Booklet-making (with cover feeder)
- Folding, cut sheet stacking
- Six input trays
- Variable data printing
- A4-SRA3 sheet fed

IBM Infoprint 2000 Line 2 – mono

- Booklet-making (with cover feeder)
- Folding, cut sheet stacking
- Three input trays
- Variable data printing
- A4-SRA3 sheet fed

# VENTRESS HOUSE

Eastfield - plant list and production capabilities



## 2 x Xerox 4625 (Manhattans)

- Speed: 135ppm
- Resolution: 600 x 600 dpi
- Paper handling: 80 to 200 gsm
- Paper size: 203 by 254 mm and 356 by 432 mm depending on feed tray
- Output: Each output bin has a capacity of 2500 sheets of 80gsm with offset stack capability Sample Tray: 100 sheets of 80 gsm

## 2 x Xerox Docutech with Interposer and HCS

- (connected via SunSpark workstation)

## 1 x Xerox Docutech

- (connected via SunBlade workstation)

## Finishing equipment

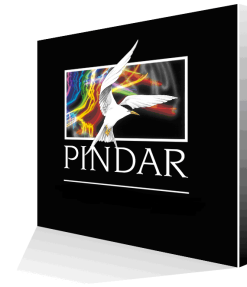
- 2x in line counter/compensator/stackers
- 1x Foldmaster
- 1x Polar 78 guillotine
- 1x Dextor Lawson multi punch system
- 1x Sickinger electric punch (for use with wire-o and spire-o bound products)
- 1x GBC wire-o-closer
- 1x Horizon SPF10 off-line booklet-maker
- 4x Vacumatic counting machine
- 1x Rollem 60 perfing machine
- 2x hand stitching machines
- 1x shrink wrapping machine

## Braille production equipment

- 1x Everest embosser with acoustic hood
- 1x Minolta hotbox for use with heat expanded paper
- 2x Thermoform Braille model reproduction machines

# VENTRESS HOUSE

Eastfield - plant list and production capabilities



## Fulfilment

Custom built area

Management of complex pick / pack projects

Driven by custom built software

1 x Mailmaster 465HS Flexible Inserting System

1 x Mailcrafter

1 x Phillipsburg 6 Station Expiditer

1 x Phillipsburg 4 Station

1 x Pitney Bowes Di950 (with OMR)

1 x Pitney Bowes Di600 (with OMR)

1 x Pitney Bowes Di420

Bell & Howell BH900 (now Pitney Bowes)

- 10,000 per hour
- Insert Stations 8
- Maximum Insert = 224mm x 156mm
- Minimum Insert = 89mm x 114mm
- Maximum Single insert thickness = 9,5mm
- Maximum overall thickness = 12mm.
- Envelopes: Max. = 244mm x 175mm, Min. = 152mm x 89mm, Flap Depth = 25-53mm

Sitma 905 mailing line

- In-line poly bagging and ink jet personalisation (post & pre-wrap), with Domino Bit Jet
- 256 ink jet head- can print parallel or horizontal to spine
- One shuttle feeder & five rotary hoppers

Sitma 87/950 mailing line

- In-line poly bagging and ink jet personalisation (post & pre-wrap), with Domino Jet Array
- Eight ink jet head - can print parallel to spine
- One shuttle feeder & four rotary hoppers

Norpak mailing line

- In-line poly bagging and ink jet personalisation (post & pre-wrap), with Domino Jet Array
- Eight ink jet head - can print parallel to spine
- One shuttle feeder & seven rotary hoppers

# PINDAR

## Preston - plant list and production capabilities



### Origination

#### Low resolution proofing

- 2 x HP8550N laser jet printers

#### Input capability

- Canon Apple Mac A4 low resolution scanner

#### Data storage

- Snap server

#### Workstations

- Apple Macs and PCs

### Pre-press

#### Proofing capability

##### High resolution

- Epson 9800 GMG high resolution
- Epson 4800 GMG high resolution

##### Mid/low resolution

- Mono/Phaser Xerox 3500
- Colour HP Laserjet 9500n
- Epson 9600 Integris low resolution system

#### Media

- AIT III
- FTP
- DVD/CD Re-Writer
- INSITE

#### Data transfer

- INSITE
- FTP

#### Data storage

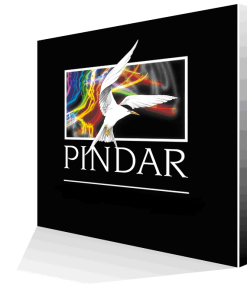
- AIT (100-260 GB - origination)
- 1TB ataboy 2 RAID (prinerger)
- 8mm AIT I (96.9 GB – prinerger)

#### Output interface

- IX Creo Quantum Trend Setter 800

#### Software

- PREPS (Scitex) Imposition Software
- All industry-standard DTP Software Applications supported on Apple Mac & PC
- PRINERGY



### Sheet fed presses

#### Heidelberg Speedmaster XLI05 6 Colour LYYL

- 6 colour with temperature controlled rollers, Technotrans peripheral water cooling
- CPC2000 press controls for colour, register & memory of job settings
- Sheet size max. 750mm x 1050mm and min 340mm x 480mm
- Semi automatic plate changing
- U.V. drying and coating
- Auto cylinder and blanket wash
- Auto roller wash
- Pre-set feeder and delivery

#### Heidelberg 102 Speedmaster 12 unit press

- Twelve colour with temperature controlled rollers, powder extraction. Convertible to 6/6 perfecting
- Sheet size max. 720mm x 1020mm and min. 400mm x 480mm
- CPC2000 press controls for colour, register and memory storage of job settings
- Semi automatic plate changing
- Technotrans automatic ink supply
- Auto cylinder and blanket wash
- Auto roller wash
- Reel sheeter

#### Heidelberg 102 Speedmaster 10 unit press

- Ten colour with temperature controlled rollers, powder extraction. Convertible to 5/5 perfecting
- Sheet size max. 720mm x 1020mm and min. 400mm x 480mm
- CPC2000 press controls for colour, register and memory storage of job settings
- Semi automatic plate changing
- Technotrans automatic ink supply
- Auto cylinder and blanket wash
- Auto roller wash
- Reel sheeter
- Image control for closed loop Spectrophotometric colour control and CIP3 link (available on both Heidelberg 102 Speedmaster 10 unit press and 12 unit press).

#### Heidelberg 102 Speedmaster 5 unit press

- Five colour with infra red drying. Convertible to 3 colour x 2 colour perfecting
- Sheet size max. 720mm x 1020mm, min. 280mm x 420mm
- Full Heidelberg CPC/CPTronic digitised register, colour and press controls
- Heidelberg pre-set dial-a-sheet size, automatically adjusts feeder, calliper, impression, sheet transport through machine
- Autoplate
- Automatic blanket washing/roller washing



### Heidelberg 102 Speedmaster 5 unit press

- Five colour with infra red drying. Convertible to 3 colour x 2 colour perfecting
- Dedicated coating unit
- Sheet size max. 720mm x 1020mm, min. 280mm x 420mm
- Full Heidelberg CPC/CPTronic digitised register, colour and press controls
- Heidelberg pre-set dial-a-sheet size, automatically adjusts feeder, calliper, impression, sheet transport through machine
- Autoplate
- Automatic blanket washing/roller washing

### Heidelberg 102 Speedmaster 5 unit press

- Five colour with infra red drying. Convertible to 4 colour x 1 colour perfecting, or 3 colour x 2 colour perfecting
- Sheet size max. 720mm x 1020mm, min. 280mm x 420mm
- Full Heidelberg CPC2000 digitised register, colour and press controls
- Heidelberg pre-set dial-a-sheet size, automatically adjusts feeder, calliper, impression, sheet transport through machine
- Autoplate
- Automatic blanket washing/roller washing

### Heidelberg 102 Speedmaster 2 unit press

- Two colour. Convertible to 1 colour x 1 colour perfecting
- Sheet size max. 720mm x 1020mm, min. 280mm x 420mm
- Heidelberg CPC/CPTronic digitised register, colour and press controls
- Pre set dial a sheet size
- Autoplate
- Automatic blanket washing/roller washing

### Heidelberg GTOZP52

- Two colour. Convertible to 1 colour x 1 colour perfecting
- Sheet size max. 360 x 520mm, min. 105 x 180mm
- Included option for perforating

## Finishing equipment

### COMPACT 102CT laminator

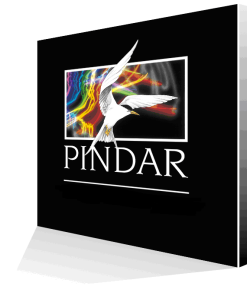
- Thermal film or water based adhesive and standard film
- Max sheet size 1020 x 760mm
- Max speed 4800 sheets per hour (640 x 900mm)

### Muller Martini 321 Saddle-stitcher

- Seven feeders plus in-line cover feeder
- Three and five knife trimmer
- Auto-stacker/counter and shingle delivery
- Carton taper

# PINDAR

## Preston - plant list and production capabilities



### Muller Bravo with AMRYS

- 7 Hoppers plus in-line cover feeder
- 3 and 5 knife trimmer
- Auto Stacker & Carton Taper

### MBO K69 combination folder

- Max. sheet size:- 690 x 1040mm
- Min. sheet size:- 140 x 120mm
- Four parallel cross folds

### 2x Stahl TDP78 folders

- Max. sheet size:- 780 x 1160mm; Min. sheet size:- 150 x 200mm
- 3x4-plate folding units with additional knife unit (up to 460mm x 340mm)
- Gate-folding facility
- Perforate, slit, gully cut and edge trim & Micro perf

### 1x Stahl KDP66

- Max. sheet size:- 660 x 1040mm; Min. sheet size:- 140 x 180mm
- 1x4 plate folding unit plus 1 knife plus side pocket fold plus second knife
- Perforate, slit, gully cut and edge trim & Micro perf

### 1x Stahl KH66

- Max. sheet size:- 660 x 1040mm; Min. sheet size:- 140 x 180mm
- 1x4 plate folding unit plus 1 knife plus side pocket fold plus second knife
- Perforate, slit, gully cut and edge trim & Micro perf

### 1 x Stahl TH82

- Max sheet size 820 x 1200
- Min sheet size 140 x 180
- 6 plate Main Unit
- 4 plate 2<sup>nd</sup> Unit
- 2 plate 3<sup>rd</sup> Unit
- + SBP 66 delivery perforate/slit/gully cut
- + edge trim & micro perf

### Polar 115 EMC guillotine

- Jogger and air tables
- Computer precision facility, programmable positioning – auto cut facility (width 1150mm)
- Pallet lift

### IRAM - 16 - multidrill

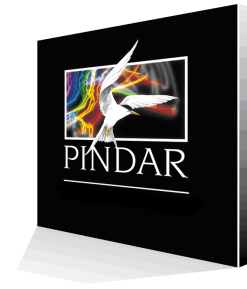
- Four drilling heads

### Pallet turner

3 forklift trucks (1x Reach truck, 1x Counter balance, 1x Reel Truck)

# PINDAR

## Aylesbury - plant list and production capabilities



### Scanning

- Apple Mac low resolution scanner

### Low resolution proofing

- HP 4000 mono laser (A4)
- HP 4200 mono laser (A4)
- HP 5100 mono laser (A3)
- 2xHP 9500 colour laser (A3)
- 2xHP 2500 colour inkjet (B1)

### Workstations

- 40xApple Macs and PCs



# PINDAR

Kineton - plant list and production capabilities



## Mid/low resolution proofing

- Mono/Colour laser
- Epson colour 1280

## High resolution proofing

- Epson 4800 GMG High Resolution

## Workstations

- Apple Macs and PCs

## Server

- Quantum 4400 Snap server

## Photographic studio

- 2 x Phase One Digital Camera back – 50mb and 17mb version
- Full Bowens lighting rig
- Wide selection of cameras and lenses