

# PIRA (Packaging, Paper, Printing and Publishing, Imaging and Nonwovens Abstracts)

## FILE DESCRIPTION

PIRA (Packaging, Paper, Printing and Publishing, Imaging and Nonwovens Abstracts) provides comprehensive coverage of the literature of the pulp and paper, packaging, printing, publishing, imaging and nonwovens industries.

Both the scientific and business aspects of these industries are covered. Business information accounts for 30% of the current input to the database, with the exception of Imaging Abstracts. Technical questions, market statistics, company profiles, production processes, machinery and equipment, environmental issues, new products, and end uses are covered in depth. PIRA's coverage is worldwide, giving a unique view of international business and technology as they pertain to pulp and paper, packaging, printing, publishing, and nonwovens. Each record contains an informative abstract in English. PIRA corresponds to the following print abstract journals: *International Packaging Abstracts*, *Paperbase Abstracts*, *Printing Abstracts*, *World Publishing Monitor*, *Nonwovens Abstracts*, and *Imaging Abstracts* (added 1995). *Paperbase Abstracts* is produced by Paperbase International, a joint venture partnership bringing together the expertise and experience of leading pulp and paper institutes: CTP (France), KCL (Finland), Pira International (UK) and STFI-Packforsk (Sweden).

## SOURCES

Relevant items from over 1000 journals, as well as newspapers, books, market reports, conference proceedings, standards, and technical reports, are abstracted for the PIRA database. Half the records in Imaging Abstracts are based on patents. Coverage is international.

## DIALOG FILE DATA

Inclusive Dates: 1975 to the present

Update Frequency: Weekly

File Size: 586,943 records as of November 2003

## SUBJECT COVERAGE

### Packaging

- Company Information
- Distribution
- Operations and Machinery
- Environmental Issues
- Market Information & Statistics

### Printing and Publishing

- Company Information
- Direct Mail
- Distribution
- Electronic Media
- Finishing
- Market Trends and Statistics

### Pulp and Paper

- Biotechnology
- Coating and Finishing
- Company Information
- Instrumentation and Control
- Machinery and Equipment
- Market Information and Statistics
- Non-wood Fibers, Byproducts

### Nonwovens

- Company Information
- Composites
- Environmental Issues
- Fibres

### Imaging

- Cinematography
- Digital Imaging, Video, and Printing
- Electron Microscopy
- Emulsion Vehicles, Supports, Types and Properties
- Equipment, Materials, Accessories and Techniques
- Holography and Interferometry

- Package Design
- Packaging for Specific Products
- Packaging Materials
- Retail and Transit Packs

- Prepress and Desktop Publishing
- Printed and Published Products
- Printing Processes
- Publishing Office

- Papermaking
- Pulping
- Raw Materials
- Recycling and Waste Paper
- Testing
- Water and Effluent
- Wood

- Market Information
- Process Technologies
- Products and End-Uses

- Lithography
- Medical Photography and Radiography
- Microfilm
- Processing Chemicals and Solutions
- Space and Aerial Photography, Remote Sensing, Infrared Photography

## CONTACT

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## SAMPLE JOURNAL RECORD

DIALOG(R)File 248:PIRA  
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AA= 00227214 Pira Acc. Num.: 9984780 Pira abstract number:  
AN= 08-91-PT02350  
/TI Title: THE DEVELOPMENT OF GRAPHIC SCREEN INKS  
AU= Authors: Seddon D  
SO=, JN= Source: Screen Process vol. 41, no. 3, Mar. 1991, pp 24-26  
SN= ISSN: 0953-3338  
PY= Publication Year: 1991  
DT= Document Type: Journal Article  
LA= Language: English  
SF= Pira Subfiles: Printing and Publishing (PP); Printing  
Abstracts (PT)  
JA= Journal Announcement: 9107  
/AB Abstract: Screen printing owes its commercial potential to the introduction of thermoplastic, solvent-based inks, drying by solvent evaporation. Rosin based hard resins, and nitrocellulose and ethyl cellulose resins, are used in ink formulations for paper and board. Screen inks for plastics are vinyl/acrylic and acrylic/CAB systems. Propanol-based solvents are now used for Health and Safety reasons. UV inks, based on crosslinking acrylates, eliminating solvent drying, offer infinite screen stability. Earlier problems have been overcome, but UV-curing inks are more expensive than solvent-based, and being 100% solids give heavy film weight. Low film weight UV ink is now water-based, water thinnable and cleanable, satin finish, giving good halftone reproduction. Sericol's Aquaspeed AU is particularly advantageous for in-store promotional items and corrugated board, at lower cost than conventional UV inks. A full range of high gloss colours will soon be available. Aquacolor QL, a four-colour process paper and board jet-drying ink, is available for outdoor posters.

/CO, CO= Company Names: SERICOL  
/TN, TN= Trade Names: AQUACOLOR; AQUASPEED  
GL= Geographic Locations: EUROPE; UNITED KINGDOM  
GC= Geographic Codes: EU; EZUKM  
/DE Descriptors: ACRYLATE; BASED; BOARD; COLOUR; COMMERCIAL; CORRUGATED BOARD ; COST; CROSS-LINKING; DEVELOPMENT; DRYING; ELIMINATION; ETHYL CELLULOSE; EVAPORATION; EXPENSIVE; FILM - LAYER; FOUR-COLOUR; GLOSS; GRAPHIC; HALFTONE; HARD; SAFETY; HEAVY; HIGH; IN-STORE; INK; INK FORMULATION; INK; LOW; NEW MATERIAL; NITROCELLULOSE; OUTDOOR; PAPER; PLASTIC; POSTER; POTENTIAL; PROCESS; PROMOTIONAL; RANGE; REPRODUCTION; RESIN; REVIEW; ROSIN; SCREEN - PRINTING; SCREEN PRINTING; SOLID; SOLVENT; SOLVENT BASED; STABILITY; SYSTEM; THERMOPLASTIC; ULTRAVIOLET; ULTRAVIOLET CURING; WATER; WATER-BASED; WEIGHT  
/SH, SH=, SC= Section Headings: Inks (8410); Screenprinting (8350)

## SAMPLE PATENT RECORD

DIALOG(R)File 248:PIRA  
(c) 1995 Pira International. All rts. reserv.

AA= 00398067 Pira Acc. Num.: 40001064  
/TI Title: PHOTOGRAPHIC SELF-PORTRAIT INSTALLATIONS  
AU= Authors: Kemp R  
PA= Patent Assignee: PHOTO-ME INTERNATIONAL PLC  
PN=, PC=, PD= Patent Number: GB 2270573 Patent Date: 940316  
AN=, AC=, AD= Application number: GB 193663 Application Date: 920912  
PY= Publication Year: 1994  
DT= Document Type: Patent  
LA= Language: English  
SF= Pira Subfiles: Imaging Abstracts (IA)  
JA= Journal Announcement: 9501  
/AB Abstract: A self-portrait installation includes a video camera and a monitor for displaying an inverse of the image so captured. A mirror reverses the image which is then projected onto a photosensitive material to produce a positive image.

/DE Descriptors: Video recording  
/SH, SH=, SC= Section Headings: VIDEO RECORDING, PHOTOGRAPHIC ASPECTS (6041)

# PIRA (Packaging, Paper, Printing and Publishing, Imaging and File 248 Nonwovens Abstracts)

## SEARCH OPTIONS

### BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
—	—	All Basic Index Fields	Word	S INKS
/AB	AB	Abstract	Word	S VINYL(W)ACRYLIC/AB
/CO	CO	Company Name <sup>1</sup>	Word	S SERICOL/CO
/DE	DE	Descriptor <sup>2</sup>	Word & Phrase	S FOUR(W)COLOUR/DE S FOUR-COLOUR/DE
/SH	SH	Section Heading <sup>1</sup>	Word & Phrase	S INKS/SH S PRODUCT TRENDS/SH
/TI	TI	Title	Word	S GRAPHIC(1W)INKS/TI
/TN	TN	Brand Name <sup>1</sup>	Word	S AQUACOLOR/TN

<sup>1</sup> Searchable in the Basic Index and in the Additional Indexes.

<sup>2</sup> Also /DF.

### ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AA=	AA	PIRA Accession Number	Phrase	S AA=9984780
AC=	—	Patent Application Country <sup>3</sup>	Phrase	S AC=GB
AD=	AD	Patent Application Date <sup>3</sup>	Phrase	S AD=920912
AN=	AN	Patent Application Number <sup>3</sup>	Phrase	S AN=GB 193663
AN=	AX	PIRA Abstract Number <sup>4</sup>	Phrase	S AN=08-91-PT02350
AU=	AU	Author	Phrase	S AU=SEDDON D
—	AZ	DIALOG Accession Number		
CO=	CO	Company Name <sup>1</sup>	Phrase	S CO=SERICOL
DT=	DT	Document Type	Phrase	S DT=JOURNAL ARTICLE
GC=	GC	Geographic Code	Phrase	S GC=EU
GL=	GL	Geographic Location	Word & Phrase	S GL=(UNITED(W)KINGDOM) S GL=UNITED KINGDOM
JA=	JA	Journal Announcement	Phrase	S JA=9107
JN=	JN	Journal Name	Phrase	S JN=SCREEN PROCESS
LA=	LA	Language <sup>6</sup>	Phrase	S LA=ENGLISH
PA=	PA	Patent Assignee <sup>3</sup>	Phrase	S PA=PHOTO-ME INTERNATIONAL PLC
PC=	—	Patent Country <sup>3</sup>	Phrase	S PC=GB
PD=	PD	Patent Date <sup>3</sup>	Phrase	S PD=940316
PN=	PN	Patent Number <sup>3</sup>	Phrase	S PN=GB 2270573
PY=	PY	Publication Year	Phrase	S PY=1990:1991
SC=	SC	Section Code	Phrase	S SC=8410
SF=	SF	Subfile	Phrase	S SF=PP S SF=PRINTING "AND" PUBLISHING
SH=	SH	Section Heading <sup>1</sup>	Phrase	S SH=INKS
SN=	SN	International Standard Serial Number (ISSN)	Phrase	S SN=0953-3338 S SN=09533338
SO=	SO	Source Information <sup>5</sup>	Word	S SO=(SCREEN(W)PROCESS)
TN=	TN	Brand Name <sup>1</sup>	Phrase	S TN=AQUACOLOR
UD=	—	Update	Phrase	S UD=9999
UP=	—	PIRA Update Code	Phrase	S UP=9951

<sup>3</sup> Beginning January 1995.

<sup>4</sup> Prior to January 1995.

<sup>5</sup> Search field may include journal title words, volume, issue, and page numbers, report numbers, and patent numbers. Display varies depending on document type.

<sup>6</sup> Records with LA=UNSPECIFIED (mostly dating from 1975 to 1982) are not included in a limit to /ENG or /NONENG.

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## SPECIAL FEATURES

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK, HELP DUP, HELP CURRENT online.

<b>LIMIT</b>	/ -- DIALOG Accession Number /ENG -- English Language <sup>6</sup> /NONENG -- Non-English Language <sup>6</sup> /YYYY -- Publication Year	S S3/00372319-99999999 S S1/ENG S S4/NONENG S S2/1993:1995
<b>SORT</b>	<b>AU, JN, PY, TI</b>	SORT S13/ALL/AU/PY PRINT S5/5/1-24/PY,D
<b>RANK</b>	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked. Other RANK codes include: DE	RANK DE RANK AU S4
<b>RD, ID</b>	Remove duplicates (RD) or identify duplicates (ID,IDO).	RD S5
<b>CURRENT</b>	Search only the most recent year plus one (CURRENT1) to five (CURRENT5) years.	B 248 CURRENT2

## PREDEFINED FORMAT OPTIONS

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	Full Record except Abstract
3	Medium	Bibliographic Citation
4	--	Full Record with Tagged Fields
5	--	Full Record
6	Short	Title and Publication Year
7	Long	Bibliographic Citation and Abstract
8	Free	Title, Indexing, and Publication Year
9	Full	Full Record
K	--	KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats

## OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP UDF, HELP TAG online.

<b>USER DEFINED FORMATS</b>	Display codes listed in the Search Options tables can be used to customize output.	TYPE S3/AU,TI/1-5
<b>TAG</b>	Output can be displayed with tags identifying each display field.	TYPE S2/3/1-5 TAG
<b>DIRECT RECORD ACCESS</b>	If the accession number of a specific record is known, it can be used to display the record directly.	TYPE 00308418/5 DISPLAY 00302575/TI,SO PRINT 00204687/5

### FOR ONLINE HELP:

See HELP FIELDS 248 for searchable fields; HELP FORMAT 248 for output formats; HELP LIMIT 248 for limits; HELP RATES 248 for cost information; HELP SORT 248 for sorts.