Printing Inks - Global Strategic Business Report

Description: This report analyzes the worldwide markets for Printing Inks in US$ Thousand and Tons by the following Product Segments: Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks, and Other Inks. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America.

Annual estimates and forecasts are provided for the period 2015 through 2022. Also, a six-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs. The report profiles 171 companies including many key and niche players such as -

Dainichiseika Color & Chemicals Mfg. Co., Ltd.
DIC Corporation
Flint Group
FUJIFILM Sericol UK Ltd.
hubergroup

Contents:
I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations
Disclaimers
Data Interpretation & Reporting Level
Quantitative Techniques & Analytics
Product Definitions and Scope of Study
Lithographic Inks
Flexographic Inks
Gravure Inks
Digital Printing Inks
Other Inks

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW
Printing Inks Industry: A Preface
Impact of Recent Economic Upheavals on Printing Inks Market
Weak Global Economy Hurts Printing Inks Market During 2011-2014 Period
Global Economy Continues to Tread On Egg Shells
Presents Mixed Picture Outlook for Printing Inks
Table 1: World Real GDP Growth Rates in % by Country/Region for the Period 2014-2017P (includes corresponding Graph/Chart)
Table 2: Slowing Publication & Commercial Printing Business Vs Projected Rise in Packaging Print Activity
Presents Mixed Picture Outlook for World Print Industry
Breakdown of Annual Revenue (in US$ Billion) by Printing Segment for Years 2014 & 2018 by Segment (includes corresponding Graph/Chart)
Outlook
Developed Markets: Losing Sheen
Developing Regions Remain Fastest Growing Markets
Table 3: Asia-Pacific Leads World Printing Industry Offering Lucrative Market Prospects for Printing Ink Manufacturers
Breakdown of Printing Industry Revenue (in US$ Billion) by Geographic Region for the Years 2014 & 2018 (includes corresponding Graph/Chart)
Major Market Participants
Table 4: Leading Manufacturers of Printing Inks Worldwide (2015): Percentage Market Share Breakdown by
Leading Players (includes corresponding Graph/Chart)
World Printing Inks Industry: Key Products of Leading Printing Ink Companies
Consolidation Activity
Select Key Acquisitions in the Global Printing Inks Industry: 2012-2016

2. KEY MARKET TRENDS, GROWTH DRIVERS, CHALLENGES & ISSUES
Oil & Solvent Based Inks
Traditional Product Markets
Environmental Friendly Printing Ink Varieties Fast Replacing Traditional Oil-Based & Solvent Based Printing Inks
Vegetable Oil Based Inks Sustain Growth in Oil Based Inks Market
Water-Based Inks
The Fastest Growing Printing Ink Variety
UV and EB Inks: The Bucks Start Here
UV-Curable Inks Gaining Rapid Traction
UV LED Inks: Emerging Technology Attracting Industry Attention
Lithographic Inks
The Largest But Mature Market Segment by Printing Process Type
Gravure Printing Inks Maintain Steady Demand
Polyamide Represents Fastest Growing Resign Type for Gravure Print Inks
Flexography Printing Process Inks Continue to Gain Prominence
Growth Prospects for Flexo Technology
Digital Printing Inks
The Fastest Growing Category, by Process
A Focus on Inkjet Inks
Inkjet Printing Market: Going Strong
Inkjet Inks Market
A Review
Future Prospects for Inkjet Inks: Bright and Bountiful
Key Trends in Inkjet Print Inks Market
Wide-Format Graphics Market
Major Focus Area for Inkjet Ink Manufacturers
Digital Photography
Creating Significant Impact
Corrugated Industry
Another Prospective Market
Textiles
Provide Exciting Opportunities
Market Highlights
Rising Number of Sub-Categories Expands Opportunities for Digital Inks in Recent Times
Solvent-Based Inks
Most Widely Used Inkjet Printing Ink
Water-Based Inks
Growing in Popularity
Eco-Ethyl Inks Make a Mark
Sublimation Inks Find Widespread Opportunities
UV Curable Ink-Jet Inks Achieves Tremendous Popularity
UV LED Based Inkjet Inks to Find Massive Demand in Coming Years
Weakening Demand for Printing Inks in Publication/Commercial Printing Sector as Internet and Digital Media Replaces Print Media

Table 5: Cannibalization of Printed Books by e-Books
Comparative CAGR % of Global Print Book Revenue Vs e-Book Revenue for the Period 2013 through 2018
(includes corresponding Graph/Chart)
Steady Growth in Packaging Industry Helps Sustain Demand for Printing Inks
Table 6: World Market for Package Printing: Breakdown of Revenue (In US$ Billion) by Segment
Corrugated, Carton & Flexibles for the Years 2014 & 2018 (includes corresponding Graph/Chart)
Steady Recovery in Retail Trade: A Key External Driver for Printing Inks Used in Retail Packaging Segment
Table 7: Strong Growth in World Retail Sales to Drive Opportunities W2P Services in the Form of Increased Packaging Printing & Print Media Advertising: Global Breakdown of Retail Sales (In US$ Trillion) for the Years 2013, 2016 & 2020 (includes corresponding Graph/Chart)
Printer Ink Refills Market: An Overview

Despite Volatile Economic Scenario Seen in Recent Times R&D Efforts in Printing Inks Remain Buoyant
Product Innovations & Technology Developments Keep the Industry Alive
R&D & Product Innovation Efforts Optimally Geared Towards Production of Environment Friendly Products
A Look At Some of the Advanced Technologies that Have Been Driving Sales in Recent Times
3D Printer Manufacturers Gear Up to Produce Affordable 3D Printing Inks
Biodegradable Inks
The Way to Go
Nanographic Printing
Waterless Printing
High-fidelity Color Control
Thermal Inkjet Printing
Innovations Seen in Inkjet Inks Segment in Recent Past
Select Product Innovations in Inkjet Inks Segment Over the Years
Use of Silk Ink to Transform Inkjet Printing
FB225 Scitex Varnish Ink and HP Scitex FB7600 Color Pack
Mimaki SUV
UV-Cured inkjet and Uvijet KV
SureColor SC-F2000 Direct-to-garment, SureColor SC-F6000, and 7000 Dye-Sub Printers
T Shirt and Sons Installs SureColor SC-F2000 Direct-to- Garment Printer
Strategies Adopted by Various Companies
Innovations Seen in Flexography Inks Market in Recent Past
Electron Beam-Curable CI-Flexo Inks
Gelflex-EB
An Overview
Improved Quality
Reduced Cost
Applications of Gelflex-EB Ink
Innovations Seen in UV Inks Segment in Recent Past
Innovations Seen for Packaging Industry in Recent Past
Innovations in Publication Ink
Key Players & Their Recent Product Developments
A Review
Flint Group
Sun Chemical
INX International Ink Co.
Fujifilm
Environmental Inks (EIC)
Alden & Ott
Key Challenges & Issues
Digitalization & Paperless Era
Securing Raw Material Supply
Synthetic Alternatives Flood Raw Material Supply Chain
Pricing Pressures
Challenges for Digital Inkjet Inks
Challenges of Going Global
Environmental Issues & Compliance with Stringent Environmental Regulations
Waste Ink Dilemma
Need to Reduce Usage of Solvents in Inks
Oil Retention in Inks: A Crucial Issue
Drive Towards Controlling VOC Emissions
Role of EPA in Regulating the Use of Flexo Inks
Need to Comply with Stringent Environmental Regulations
A Major Challenge for Printing Ink Manufacturers

3. PRODUCT OVERVIEW
Evolution of Printing in Relief
End-Use Applications
Packaging Industry
Commercial Printing Industry
Publication Printing Ink
Components of Printing Inks
Classification of Printing Inks by Process
Detailed Insight into Ink Segments
A. Lithographic Inks
Description
Lithographic Presses and Printing
Unit-Design
Common Impression Cylinder Design
Blanket-to-Blanket Design
Sub-Processes in Lithography
Sheetfed Offset Process
Heatset Web Offset Process
Non-Heatset Web Offset
The Process
Plates Use in Lithographic Printing
Surface Plates
Deep-etch Plates
Bi-Metal Plates
B. Flexographic Inks
Definition
Advantages
Types
Solvent Inks
Water-Based Inks
Other Types
Laminating Inks
Energy-Curable Inks
UV Flexo
Advantages
Electron Beam Inks
The Process
Platemaking
Presses and Printing
Central Impression Cylinder (CIC)
In-line Flexography Presses
Newspaper Flexographic Presses
Commercial Publication Flexographic Presses
C. Gravure Inks
Description
Types of Gravure Inks & their Applications
The Process
Gravure Presses and Printing
Gravure Cylinder Making (Gravure)
Types of Etching for Different Purposes
Types of Gravure Printing Based on Substrate
Publication Gravure
Packaging Gravure
Product Gravure
Applications of Gravure Inks
End-Use Markets
Folding Cartons
Flexible Packaging
Specialty Sector
Rotogravure Inks
Types of Rotogravure Inks
Intaglio
D. Digital Printing Inks
Definition
Overview
Who Makes Inkjet Printing Inks
E. Others
Letterpress Printing Inks
The Process
Letterpress Platemaking
Original Plates
Duplicate Plates
Letterpress Presses and Printing
Platen Presses
Organic Pigment Powders
Synthetic Organic Pigments
Types of Organic Pigments Based on Quality
Flush Quality
Dispersion Quality
Microencapsulated Quality
Press Cake Quality
Toner Quality Powder
Classification of Organic Pigments Based on Color
Fluorescent Organic Pigments
Inorganic Pigments
Physical Properties
Types of Inorganic Pigments
Carbon Black
Frankfurt Black
Extenders and Fillers
Metallic Pigments
Luminescent Type Pigments
Pearlescent Pigments
Resins
Overview
Potential Market
Polyvinyl Butyral Resins Family
Sulfopolyester Resins
Applications
Features of Pre and Post Metallization Primers

4. PRODUCT INTRODUCTIONS/INNOVATIONS
INX Digital to Display New and Proven Inkjet Inks at SGIA Expo
Sawgrass Introduces Eight-Colour HD inks
Sawgrass Introduces new Sublijet-HD Fluorescent Inks for VJ 628 Printer
Hubergroup Introduces New Ink Range
Siegwerk Unveils New UniXYL Range of Sustainable Inks
DuPont Announces New DuPont Artistri Printing Inks
Siegwerk Introduces the First LED UV Flexo inks for Food & Pharma Packaging
Siegwerk Introduces UV Flexo Inks For Food Contact Printing
INX and BR Group to Showcase a Range of Inexpensive Digital Inks at Fespa Brasil
New INX Digital Introduces New Pair of TRIANGLE® Alternative Inks for Wide Format & Outdoor Markets
Sun Chemical to Showcase A New Range of Inkjet inks for Textile Printing at FESPA Digital 2016
SPG Prints Introduces New Range of Sublimation Inks with Wider Color Range
Splashjet Launches Newly Formulated High Yield Inks for HP Ink Tank System Printers
Fujifilm to Showcase Reference Models of Pigmenet Ink for Water-Based Inkjet Ink Used in Flexible Packaging at drupa 2016
Ricoh Introduces new Eco-Friendly AR Latex Inks at FESPA 2016
Flint Group Launches Premo®Film SXS/2 Water-Based Inks in EMEA for Printing on Film
Sun Chemical Adds New Products to its Range of Streamline® Solvent-Based Inkjet Inks for North American Market
Sun Chemical Launches Nanosilver Ink Offerings for Inkjet Systems with EMD5800
Kilian Digital to Launch New Series of Industrial Inks
Toyo Ink Arets Expands UV Flexo Ink Lineup for Food Labels and Enhanced Safety
Sun Chemical Strengthens Streamline Inkjet Inks Range for North America with New Low Odor Inks
Flint Group Introduces New Low-Migration Inks
Flint Group Introduces UV Flexo Ink for Food Labels
Flint Group Introduces OmniLam F and OmniLam G Ink Systems
Flint Group Introduces PremoCup™ Packaging Flexo Inks for North American Paper Cups Market
Earthinks Introduces New Gravure Inks And Coatings
Nazdar Showcases New Ink solutions at FESPA 2015
Canon to Unveil & Launch New UV Curable Ink at Fespa
Sun Chemical to Unveil New Inks for Industrial & Screen Printing at FESPA 2015
Sun Chemical Launches Streamline® OEM-Compatible Digital Aftermarket Inks to North America
Sun Chemical Launches New Low Odor Ink for Streamline Range
Bordeaux Digital Printink Launches UV Curable Flexible Inks at SGIA 2014
SPGPrints Introduces Low-Migration UV-Inkjet Inks
Kiian Specialty Launches PVC-Free Plastisol Inks
SPGPrints Releases Low-migration UV-inkjet Inks
Bordeaux Unveils Printer Specific Original Printing Inks Range
Maplejet Introduces ProDigit UV Ink Range
Fujifilm Unveils New Thermo Forming Ink, Uvijet KV
INX Digital Releases New UV Curable Ink
Sun Chemical Introduces SunLit® Triumph® Max Commercial Sheetfed Inks
InkTec Introduces SubliNova G7 Sublimation Inks
Xennia Introduces Corundum, a Line of Sublimation Inks
Collins Inkjet Unveils Range of Inks for Packaging and Label Applications
Flint Group Introduces Ultraking Shrink U Inks
INX Digital Introduces TRIANGLE® Brand ESC Wide Format Inkjet Inks
INX Digital Unveils TRIANGLE® UV Curable Pigmented Inks
ICN Releases BT Series Opaque Pad Printing Ink
Printcolor Unveils IR Blocking Inks

5. RECENT INDUSTRY ACTIVITY
Flint Group Acquires Druckfarben in the UK
Kao Concludes an Agreement to Take Over of Chimigraf Holding, S.L Business in Europe
Kao Concludes an Agreement to Take Over Collins Inkjet Corporation
Toyo Ink Chosen as Preferred Supplier of UV Ink to KBA-Sheetfed
Siegwerk Chosen as Komori’s European Supplier of K-Supply Ink for its H-UV system
Flint Group Acquires American Inks and Coatings (AIC) in North America
Sun Chemical Snaps Up Flexo Inks Business of Canada’s Colmar Inks
Siegwerk Snaps Up ACTEGA Colorchemie from ALTANA Group
Environmental Inks to Siegwerk Environmental Inks
Toyo Ink Finalizes Acquisition of 75% of Shares of DYO Printing Inks
Sun Chemical Launches New Streamline Ultima HPQ Low Odour Alternative Solvent-Based Inkjet Ink
DIC Group to Establish New Liquid Inks Facility for Packaging Production in Indonesia
Sun Chemical to Acquire Colmar Inks Corporation
Siegwerk Environmental Ink Receives ISO 9001:2008 Certification
Siegwerk Druckfarben Starts a Subsidiary in the Netherlands
IIMAK Snaps Up Talon Industries
Flint Group Acquires Xeikon & Establishes New Digital Printing Solutions Division
JK Group Agrees to be Acquired by Dover Corporation
Fujifilm Gains Nordic Ecolabel Certification for Wide Format Uvijet UV Inks
Flint Group Establishes Joint Venture with Continental Printing Inks & Eagle Ink Systems in South Africa
IIMAK Snaps Up American Ink Jet Corporation
Epson Italia Acquires For.Tex S.R.L.
Toyo Ink SC Holdings Merges Toyo Ink Chemicals Taiwan & Toyo Ink Taiwan Co. Ltd
NovaCentrix to Acquire PChem Nano Conductive Ink Products
Central Ink Enters into Agreements with Rendic Graphics and C &W Pressroom Products
Sun Chemical to Establish a New Plant for Manufacturing Liquid Inks
Haydale Signs Collaborative Agreement with WCPC
Goldman Sachs and Koch Equity Acquire Flint Group
AIC Inks Definitive Agreement for Acquisition of CRI
Sun Chemical Takes Over Shares of Tintas SA and Sinclair SA
Dai Nippon Printing Partners with T+ink
INX Inks an Agreement with CTI
Bordeaux Inks Distribution Agreement with Colormagic

6. FOCUS ON SELECT PLAYERS
Dainichiseika Color & Chemicals Mfg. Co., Ltd. (Japan)
DIC Corporation (Japan)
Sun Chemical Corp. (US)
Flint Group (Luxembourg)
FUJIFILM Sericol UK Ltd. (UK)
hubergroup (Germany)
Sakata Inx Corporation (Japan)
INX International Ink Co. (US)
SAKATA Inx (INDIA) Limited
Siegwerk Druckfarben AG & Co. KGaA (Germany)
T & K Toka Co. Ltd. (Japan)
7. GLOBAL MARKET PERSPECTIVE

A. Dollar Analytics

Table 8: World Recent Past, Current & Future Analysis for Printing Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 9: World Historic Review for Printing Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 10: World 14-Year Perspective for Printing Inks by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Table 11: World Recent Past, Current & Future Analysis for Lithographic Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 12: World Historic Review for Lithographic Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 13: World 14-Year Perspective for Lithographic Inks by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Table 14: World Recent Past, Current & Future Analysis for Flexographic Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 15: World Historic Review for Flexographic Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 16: World 14-Year Perspective for Flexographic Inks by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Table 17: World Recent Past, Current & Future Analysis for Gravure Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 18: World Historic Review for Gravure Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 19: World 14-Year Perspective for Gravure Inks by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Table 20: World Recent Past, Current & Future Analysis for Digital Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 21: World Historic Review for Digital Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 22: World 14-Year Perspective for Digital Inks by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Table 23: World Recent Past, Current & Future Analysis for Other Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 24: World Historic Review for Other Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 25: World 14-Year Perspective for Other Inks by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
B. Volume Analytics
Table 26: World Recent Past, Current & Future Analysis for Printing Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 27: World Historic Review for Printing Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 28: World 14-Year Perspective for Printing Inks by Geographic Region
Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Printing Inks Market by Product Segment
Table 29: World Recent Past, Current & Future Analysis for Lithographic Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 30: World Historic Review for Lithographic Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 31: World 14-Year Perspective for Lithographic Inks by Geographic Region
Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Table 32: World Recent Past, Current & Future Analysis for Flexographic Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 33: World Historic Review for Flexographic Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 34: World 14-Year Perspective for Flexographic Inks by Geographic Region
Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Table 35: World Recent Past, Current & Future Analysis for Gravure Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 36: World Historic Review for Gravure Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 37: World 14-Year Perspective for Gravure Inks by Geographic Region
Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Table 38: World Recent Past, Current & Future Analysis for Digital Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 39: World Historic Review for Digital Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets
Independently Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 40: World 14-Year Perspective for Digital Inks by Geographic Region
Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Table 41: World Recent Past, Current & Future Analysis for Other Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 42: World Historic Review for Other Inks by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 43: World 14-Year Perspective for Other Inks by Geographic Region
Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES
A. Market Analysis
   Current & Future Analysis
      Overview
      Market in Recent Times
      Trends & Issues
      Lithographic Inks: The Largest Segment
      New Printing Technologies Alter Industry Landscape
      Rising Popularity of Digital Inks
      Digital Printing Eclipses Traditional Methods
      Shift from Solvent to Water-Based Ink Technology
      Increasing Popularity of Organic Solvents and Inks
      Vegetable Oil based Inks: Insight into North America’s Winning Formula
      Finer Points of Functionality Offered by Vegetable-Based Inks
      Public Policies: A Prime Growth Stimulant
      Reaching Out to Newer Turfs
      Advancements in Vegetable Oil based Ink Technology
      New Soy Ink for Imprinting Baby Feet
      On Cards: Innovative De-Inkable Soy Toner
      Soy Powered UV Curable Lithographic Inks
      New Soy Based Textile Printing Ink
      Soy Ink for Ballpoint Pens
      Use of Biochemicals in Inks
      Soy-based Printing Ink: Facts and Myths
      TAP: A Strong Science Base in North America
      Radiation-Curable Inks: Poised for Growth
      Petroleum Based Inks Fight Back
      Technological Advancements Drive Market Growth
      Compliance to Stringent Environmental Regulations
      A Major Industry Challenge
      Eco-Friendly Ink Products Make Inroads
      Competitive Landscape

Table 44: US Printing Inks Market (2015): Percentage Market Share Breakdown of Leading Players (includes corresponding Graph/Chart)
Table 45: Flexographic Printing Inks Market in the US (2015): Percentage Market Share Breakdown of Leading Players (includes corresponding Graph/Chart)
Table 46: Lithographic Printing Inks Market in the US (2015): Percentage Market Share Breakdown of Leading Players (includes corresponding Graph/Chart)
Table 47: Gravure Inks Market in the US (2015): Percentage Market Share Breakdown of Leading Players (includes corresponding Graph/Chart)

Strategic Acquisitions Lead to Consolidation
End-User Profile
Packaging: Largest End-User
Product Launches
Strategic Corporate Developments
Key Players
2. CANADA

A. Market Analysis

Current & Future Analysis
Overview
Product Launch
Strategic Corporate Development

B. Market Analytics

Dollar Analytics

Table 48: US Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding
Graph/Chart)

Table 49: US Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding
Graph/Chart)

Table 50: US 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and
Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Volume Analytics

Table 51: US Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding
Graph/Chart)

Table 52: US Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding
Graph/Chart)

Table 53: US 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks
and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

3. JAPAN

A. Market Analysis

Current & Future Analysis
Japan Cracks the Whip on VOC Emissions
Product Launches
Strategic Corporate Developments
Key Players
B. Market Analytics
Dollar Analytics
Table 60: Japanese Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding
Graph/Chart)
Table 61: Japanese Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding
Graph/Chart)
Table 62: Japanese 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and
Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Volume Analytics
Table 63: Japanese Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding
Graph/Chart)
Table 64: Japanese Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding
Graph/Chart)
Table 65: Japanese 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks
and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4. EUROPE
A. Market Analysis
Current & Future Analysis
Overview
Market Recovers from Long Drawn Period of Slowdown and Set to Witness Slow But Encouraging Growth in
Coming Years
Packaging Sector-The ‘Savior’ of Printing Inks Industry
Short Product Sizzlers
Inkjet Printing Overtakes Toner Printing in Digital Sector
Cationic and Free Radical UV Inks
UV Inks
Flexographic Inks
Lithographic/Offset Inks
Gravure Inks
Letterpress Inks
Increasing Preference of Low Migration Inks
A Peek into the Regulatory Framework Concerning Low Migration Inks in Europe
The Emergence of EuPIA
The Impact of REACH: A Fierce Tug At the Market’s Purse Strings
Market Participants Question the Need for REACH
Challenges Ahead for Ink Industry
B. Market Analytics
Dollar Analytics
Table 66: European Recent Past, Current & Future Analysis for Printing Inks by Geographic Region
France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual
Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 67: European Historic Review for Printing Inks by Geographic Region
France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual
Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 68: European 14-Year Perspective for Printing Inks by Geographic Region
Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain, Russia, and Rest of Europe
Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Table 69: European Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding
Graph/Chart
Table 70: European Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding
Graph/Chart)
Table 71: European 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and
Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Volume Analytics
Table 72: European Recent Past, Current & Future Analysis for Printing Inks by Geographic Region
France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual
Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 73: European Historic Review for Printing Inks by Geographic Region
France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual
Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 74: European 14-Year Perspective for Printing Inks by Geographic Region
Percentage Breakdown of Volume Sales for France, Germany, Italy, UK, Spain, Russia, and Rest of Europe
Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Table 75: European Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding
Graph/Chart)
Table 76: European Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding
Graph/Chart)
Table 77: European 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks
and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4a. FRANCE
A. Market Analysis
Current & Future Analysis
B. Market Analytics
Dollar Analytics
Table 78: French Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding
Graph/Chart)
Table 79: French Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding
Graph/Chart)
Table 80: French 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and
Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Volume Analytics
Table 81: French Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding
Graph/Chart)
Table 82: French Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding
Graph/Chart)
Table 83: French 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks
and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4b. GERMANY
A. Market Analysis
Current & Future Analysis
Mastering the Art of Survival
Product Launches
Strategic Corporate Developments
Key Players
B. Market Analytics
Dollar Analytics
Table 84: German Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 85: German Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 86: German 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Volume Analytics
Table 87: German Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 88: German Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 89: German 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4c. ITALY
A. Market Analysis
Current & Future Analysis
Product Launch
Strategic Corporate Developments
B. Market Analytics
Dollar Analytics
Table 90: Italian Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 91: Italian Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 92: Italian 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Volume Analytics
Table 93: Italian Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 94: Italian Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 95: Italian 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4d. THE UNITED KINGDOM
A. Market Analysis
Current & Future Analysis
Key Trends, Growth Drivers and Issues
Improvement in Customer Service
Automation Creeping into Flexo Ink Technology
Trend towards Vegetable Oils Based Inks
Factors Hindering Growth
Regulations Governing Industry
Product Launches
Strategic Corporate Developments
Fujifilm Sericol Uk Ltd.
A Key Player
B. Market Analytics
Dollar Analytics
Table 96: UK Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 97: UK Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 98: UK 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Volume Analytics
Table 99: UK Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 100: UK Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 101: UK 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
4e. SPAIN
A. Market Analysis
Current & Future Analysis
Strategic Corporate Development
B. Market Analytics
Dollar Analytics
Table 102: Spanish Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 103: Spanish Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 104: Spanish 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Volume Analytics
Table 105: Spanish Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 106: Spanish Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 107: Spanish 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4f. RUSSIA
A. Market Analysis
   Current & Future Analysis
B. Market Analytics
   Dollar Analytics
   Table 108: Russian Recent Past, Current & Future Analysis for Printing Inks by Product Segment
   Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
   Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding
   Graph/Chart)
   Table 109: Russian Historic Review for Printing Inks by Product Segment
   Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
   Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding
   Graph/Chart)
   Table 110: Russian 14-Year Perspective for Printing Inks by Product Segment
   Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks
   and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
   Volume Analytics
   Table 111: Russian Recent Past, Current & Future Analysis for Printing Inks by Product Segment
   Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
   Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding
   Graph/Chart)
   Table 112: Russian Historic Review for Printing Inks by Product Segment
   Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
   Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding
   Graph/Chart)
   Table 113: Russian 14-Year Perspective for Printing Inks by Product Segment
   Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks
   and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4g. REST OF EUROPE
A. Market Analysis
   Current & Future Analysis
   Product Launches
   Strategic Corporate Developments
   Flint Group (Luxembourg)
   A Key Player
B. Market Analytics
   Dollar Analytics
   Table 114: Rest of Europe Recent Past, Current & Future Analysis for Printing Inks by Product Segment
   Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
   Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding
   Graph/Chart)
   Table 115: Rest of Europe Historic Review for Printing Inks by Product Segment
   Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
   Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding
   Graph/Chart)
   Table 116: Rest of Europe 14-Year Perspective for Printing Inks by Product Segment
   Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks
   and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
   Volume Analytics
   Table 117: Rest of Europe Recent Past, Current & Future Analysis for Printing Inks by Product Segment
   Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
   Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding
   Graph/Chart)
   Table 118: Rest of Europe Historic Review for Printing Inks by Product Segment
   Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently
   Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding
   Graph/Chart)
   Table 119: Rest of Europe 14-Year Perspective for Printing Inks by Product Segment
   Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks
5. ASIA-PACIFIC
A. Market Analysis
Current & Future Analysis
Introduction
Current Market Scenario & Outlook
Printing Companies to Increase Consumption, Low New Equipment Acquisition
Overview of Select Regional Markets
China
Market Overview
Despite Current Slowdown in Economic Growth China Continues to Remain a Major Market for Printing Inks
Growth Drivers
Major Trends
New Trends and Patterns Set the Course for Chinese Printing Industry's Growth
Players Concentrate on Increasing Presence in Chinese Printing Inks Market
China Echoes the World's Environmental Concerns
Green Ink: the Way to Go
China to Prefer Bio Inks Over UV Curing and Water-Based Inks
A Peek into the Government Initiatives to Promote Eco-Friendliness
Growth Drivers for Manufacturers
Foreign Investment: It's Not All Fund & Games
End-Use Scenario
Packaging Industry: The Unsung Hero of the Market
Boom in the Publishing Industry Echoes into the Printing Ink Market
Production Scenario
Areas Requiring Greater Focus
Raw Materials Scenario
Solvents
Resin Manufacturers Strive to Address Customers' Demand for Cost-Efficient Performance
India
Racing to Keep Pace
Rise in Printing Inks Production
Printing Inks
Current Scenario
Challenges
Publication Industry: Gaining Momentum
Strategic Analysis of Indian Printing Inks Industry by End-Use
Australia
Market Landscape
Singapore
Overview
Product Launches
Strategic Corporate Developments
Sakata Inx (India) Limited
A Key Player
B. Market Analytics
Dollar Analytics
Table 120: Asia-Pacific Recent Past, Current & Future Analysis for Printing Inks by Geographic Region
Australia, China, India, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 121: Asia-Pacific Historic Review for Printing Inks by Geographic Region
Australia, China, India, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 122: Asia-Pacific 14-Year Perspective for Printing Inks by Geographic Region
Percentage Breakdown of Dollar Sales for Australia, China, India, and Rest of Asia-Pacific Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Table 123: Asia-Pacific Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 124: Asia-Pacific Historic Review For Printing Inks By Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks And Other Inks Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 125: Asia-Pacific 14-Year Perspective for Printing Inks by Product Segment Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Volume Analytics

Table 126: Asia-Pacific Recent Past, Current & Future Analysis for Printing Inks by Geographic Region Australia, China, India, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 127: Asia-Pacific Historic Review for Printing Inks by Geographic Region Australia, China, India, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 128: Asia-Pacific 14-Year Perspective for Printing Inks by Geographic Region Percentage Breakdown of Volume Sales for Australia, China, India, and Rest of Asia-Pacific Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Table 129: Asia-Pacific Recent Past, Current & Future Analysis for Printing Inks by Product Segment Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 130: Asia-Pacific Historic Review for Printing Inks by Product Segment Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 131: Asia-Pacific 14-Year Perspective for Printing Inks by Product Segment Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

6. THE MIDDLE EAST & AFRICA
A. Market Analysis
Current & Future Analysis
Overview
Product Launch
Strategic Corporate Development

B. Market Analytics
Dollar Analytics

Table 132: Middle East & Africa Recent Past, Current & Future Analysis for Printing Inks by Product Segment Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 133: Middle East & Africa Historic Review for Printing Inks by Product Segment Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 134: Middle East & Africa 14-Year Perspective for Printing Inks by Product Segment Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Volume Analytics

Table 135: Middle East & Africa Recent Past, Current & Future Analysis for Printing Inks by Product Segment Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 136: Middle East & Africa Historic Review for Printing Inks by Product Segment Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 137: Middle East & Africa 14-Year Perspective for Printing Inks by Product Segment Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

7. LATIN AMERICA
A. Market Analysis
Current & Future Analysis
Market Primer
Product Launch
Strategic Corporate Development
B. Market Analytics
Dollar Analytics

Table 138: Latin American Recent Past, Current & Future Analysis for Printing Inks by Geographic Region
Brazil, and Rest of Latin America Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 139: Latin American Historic Review for Printing Inks by Geographic Region
Brazil, and Rest of Latin America Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 140: Latin American 14-Year Perspective for Printing Inks by Geographic Region
Percentage Breakdown of Dollar Sales for Brazil, and Rest of Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Table 141: Latin American Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 142: Latin American Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 143: Latin American 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Dollar Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Table 144: Latin American Recent Past, Current & Future Analysis for Printing Inks by Geographic Region
Brazil, and Rest of Latin America Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 145: Latin American Historic Review for Printing Inks by Geographic Region
Brazil, and Rest of Latin America Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 146: Latin American 14-Year Perspective for Printing Inks by Geographic Region
Percentage Breakdown of Volume Sales for Brazil, and Rest of Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

Table 147: Latin American Recent Past, Current & Future Analysis for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 148: Latin American Historic Review for Printing Inks by Product Segment
Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets Independently Analyzed with Annual Volume Sales in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 149: Latin American 14-Year Perspective for Printing Inks by Product Segment
Percentage Breakdown of Volume Sales for Lithographic Inks, Flexographic Inks, Gravure Inks, Digital Inks and Other Inks Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE
Total Companies Profiled: 171 (including Divisions/Subsidiaries 199)
The United States (54)
Canada (3)
Japan (12)
Europe (91)
- France (6)
- Germany (19)
- The United Kingdom (25)
- Italy (16)
- Spain (4)
- Rest of Europe (21)
Asia-Pacific (Excluding Japan) (32)
Latin America (3)
Middle-East (3)
Africa (1)
Ordering:

Order Online - http://www.researchandmarkets.com/reports/338628/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Printing Inks - Global Strategic Business Report
Web Address: http://www.researchandmarkets.com/reports/338628/
Office Code: SC2GPO1T

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Product Format</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single User:</td>
<td>USD 4950</td>
</tr>
<tr>
<td></td>
<td>1 - 5 Users:</td>
<td>USD 6930</td>
</tr>
<tr>
<td></td>
<td>1 - 10 Users:</td>
<td>USD 9405</td>
</tr>
<tr>
<td></td>
<td>1 - 15 Users:</td>
<td>USD 11880</td>
</tr>
</tbody>
</table>

* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr □ Mrs □ Dr □ Miss □ Ms □ Prof □
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Account number</th>
<th>833 130 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland.</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World