

Truepress PAC 520P

High-speed, water-based inkjet digital printing system for paper packaging

Digital Printing Unlocks
a New Era in Paper Packaging



EQUIOS
ART & UX

Build Brand Value with Digital Printing of Paper Packaging

Advances are being made in many areas as the world moves toward a more sustainable society. This includes our Truepress PAC 520P, a high-speed, water-based digital inkjet system for paper packaging that brings together many of our leading proprietary technologies.

The Truepress PAC 520P is an eco-friendly printing solution specifically designed for paper packaging materials, which are themselves easier on the environment and more convenient for consumers. It offers a unique opportunity to address a major social issue while also building brand value.



Paper Packaging

High-quality printing for paper packaging

We have specifically developed the Truepress PAC 520P as a high-speed digital inkjet press capable of printing on flexible paper packaging. It incorporates many of our market-proven proprietary technologies, enabling it to deliver exceptional print quality at a superior resolution of 600 x 900 dpi.

The Truepress PAC 520P also offers the adaptability needed to achieve stable output on a wide array of different paper substrates. This press is ideally designed to handle the growing use of paper materials in the flexible packaging industry.



Easy Operation

Streamlined workflows with reduced workloads

As an inkjet digital press, the Truepress PAC 520P offers dramatically more streamlined processing than conventional printing systems. It eliminates many manual steps in production ranging from plate output, ink mixing and device cleaning to cylinder replacement.

The positions for ink discharge are digitally set, ensuring that any operator can effortlessly achieve accurate registration. As well as shortening production times, these digital technologies reduce both the number of operators needed on site and their workloads.

BEFORE



AFTER



Food Safety

Proprietary inks designed for consumer safety

The Truepress PAC 520P utilizes water-based pigment inks specifically designed to significantly diminish the presence of organic solvents and volatile organic compounds (VOCs). They reduce impacts on both the workplace and natural environment.

These inks also satisfy major European laws, regulations and guidelines, well known for their stringent food safety standards. This ensures a high level of safety for consumers. Additionally, a lightweight bag-in-box system is used for the ink containers to simplify disposal and further reduce environmental impact.



Inks comply with the following regulations and guidelines

- Swiss Ordinance Annex 10 – 1 Dec 2020
- Nestle Guidance Note on Packaging Inks, October 2018
- EuPIA Exclusion Policy for Printing Inks and Related Products, 4th Edition
- EuPIA Suitability List of Photoinitiators and Photosynergists for Food Contact terials – October 2020



Trends in the Food Packaging Industry

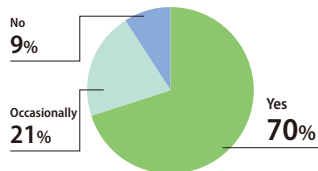
Changing consumer awareness

Consumer awareness of sustainability is steadily on the rise with each passing year. According to a 2020 survey¹ conducted by Two Sides² in Europe, approximately 70% of the respondents were trying to reduce plastic use in their daily life. Moreover, the eco-friendliness of products and brands significantly influences consumer choices and purchasing decisions.

1. Two Sides Report: European Packaging Preferences 2020

2. NPO created to promote sustainability in the printing industry, operating in Europe, North America, South America, South Africa, Australia and New Zealand.

Are you actively taking steps to reduce your use of plastic packaging?



Changes in corporate initiatives

As consumer awareness and regulations have increased worldwide, many companies have accelerated their efforts to address the issue of plastic waste. This trend has affected businesses ranging from traditional confectionary makers to major global food and beverage producers. An increasing number of mainstream products are now available in paper packaging.



On demand

On-demand printing of any quantity

Since the Truepress PAC 520P does not require printing plates or tooling, there is no need to set a minimum order quantity (MOQ). This opens the door to short run production of diverse job types.

The ability to rapidly print any quantity at any time also means it is no longer necessary to hold large inventories of materials, enabling virtually stock-less operation. This reduces obsolete waste disposal costs and leads to more efficient use of resources.

Variable Design

Fully customizable creation of any design

As printing data is created digitally, every package can be produced with its own individual design. Thanks to the variable printing capabilities of the Truepress PAC 520P, high value-added packages tailored to specific target markets, limited editions or seasonal campaigns can be effortlessly produced, unlocking endless opportunities for customization and increased consumer appeal.

Packages can also incorporate personalized messages or QR codes for various purposes, such as marketing campaigns, track and trace functionalities, or product authentication.



Truepress PAC 520P specifications

Printing system	Inkjet, Piezo single-pass DOD
Controller	EQUIOS: PS, PDF, PDF/VT (standard) IPDS Controller: AFP/IPDS (optional)
Inks	Truepress ink NP (CMYK)
Resolution	600 × 900 dpi
Printing speed	80 m (262.4') / min.
Printing width	165 to 520 mm (6.5" to 20.4")
Media width	165 to 520 mm (6.5" to 20.4")
Media thickness	40 to 157 gsm
Operating environment	18 to 24°C (no sudden temperature changes), 40 to 60% (no condensation)
Dimensions (printer section only)	W3,240 × D1,870 × H1,971 mm
Weight	2,830 kg (6239lb)
Drying system	Heat roller
Power requirements	Printer Controller: Three phase 200 to 240 V, 31.4 A Three phase 380 to 415 V, 16.5 A (A step-down transformer is required for use in 400 V areas.) Heat roller: Three phase 200 to 240 V, 95 A (3.0 kW × 6 cables) Three phase 380 to 415 V, 50 A (3.0 kW × 6 cables) Ink supply: Single phase 200 to 240 V, 5A

A full after-sales service network ensures more reliable system operation, helping to build a stronger production base and greater peace of mind for customers.

Real-time maintenance minimizes down time

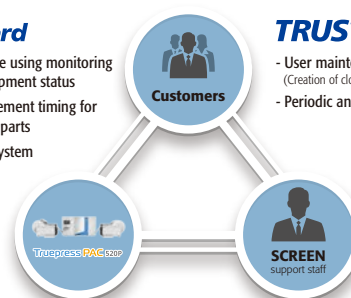
TRUST Network Service

TRUST Network Service is a proprietary support program provided by SCREEN to prevent unexpected problems. This program offers a full menu of services including predictive diagnosis based on monitoring of equipment conditions, as well as regular analytical and maintenance reports. If trouble does occur, it is also able to precisely identify the area of malfunction.

Contact your local SCREEN representative for detailed information on TRUST Network Service.

TRUST Guard

- Proactive maintenance using monitoring and diagnosis of equipment status
- Assessment of replacement timing for periodic replacement parts
- Provision of regular system analysis reports



TRUST Dialog

- User maintenance support (Creation of cloud-based client pages)
- Periodic analysis reports

TRUST Assist

- Remote maintenance (Handling of software, parameter setting, operation errors)
- Analysis of problems, recovery (Remote diagnosis of hardware)

SCREEN Graphic Solutions Co., Ltd.

HEAD OFFICE

• Tenjinkita-machi 1-1, Teranouchi-agaru 4-chome, Horikawa-dori, Kamigyo-ku, Kyoto 602-8585, Japan / Tel: +81-75-414-7610

SCREEN GP Americas, LLC

• 150 Innovation Drive - Ste A, Elk Grove Village, IL 60007, U.S.A. / Tel: +1-847-870-7400 / Fax: +1-847-870-0149 www.screenamericas.com

SCREEN GP Europe B.V.

• Thailandlaan 9, 1432DJ Aalsmeer, The Netherlands / Tel: +31-20-456-78-00 www.screen-europe.com

U.K. office / Tel: +44-(0)330-822-5401

SCREEN GA Shanghai Co., Ltd.

• Room1406.14/F, Shanghai International Trade Center, 2201 West Yan'an Rd., Shanghai, PRC, 200336 / Tel: +86-21-6142-0656 www.screen-gash.com.cn

SCREEN HD Korea Co., Ltd.

• K-TOWER 11F, 88, Iljuk-ro, Manan-gu, Anyang-si, Gyeonggi-do, 13901, Korea / Tel: +82-2-727-0800 / Fax: +82-2-727-0876 www.screen-korea.com

SCREEN GP Australia PTY., Ltd.

• Suite 16A, 2 Eden Park Drive, Macquarie Park, NSW 2113, Australia / Tel: +61-2-9016-3400 / Fax: +61-2-9016-3425 www.screenaustralia.com.au

SCREEN GP Taiwan Co., Ltd.

• 4th Floor, No. 126-1, Min-tsu West Road, Taipei, Taiwan R.O.C. / Tel: +886-2-2586-2711 / Fax: +886-2-2591-4367 www.screen-gptw.com.tw

Internet web site : www.screen.co.jp/ga/en
www.screenamericas.com
www.screen-europe.com

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