



CI Flexo

CI FLEXO PRESS Machine

PROPOSAL BY:

Smart Pack Solutions

■ Smart Pack Solutions

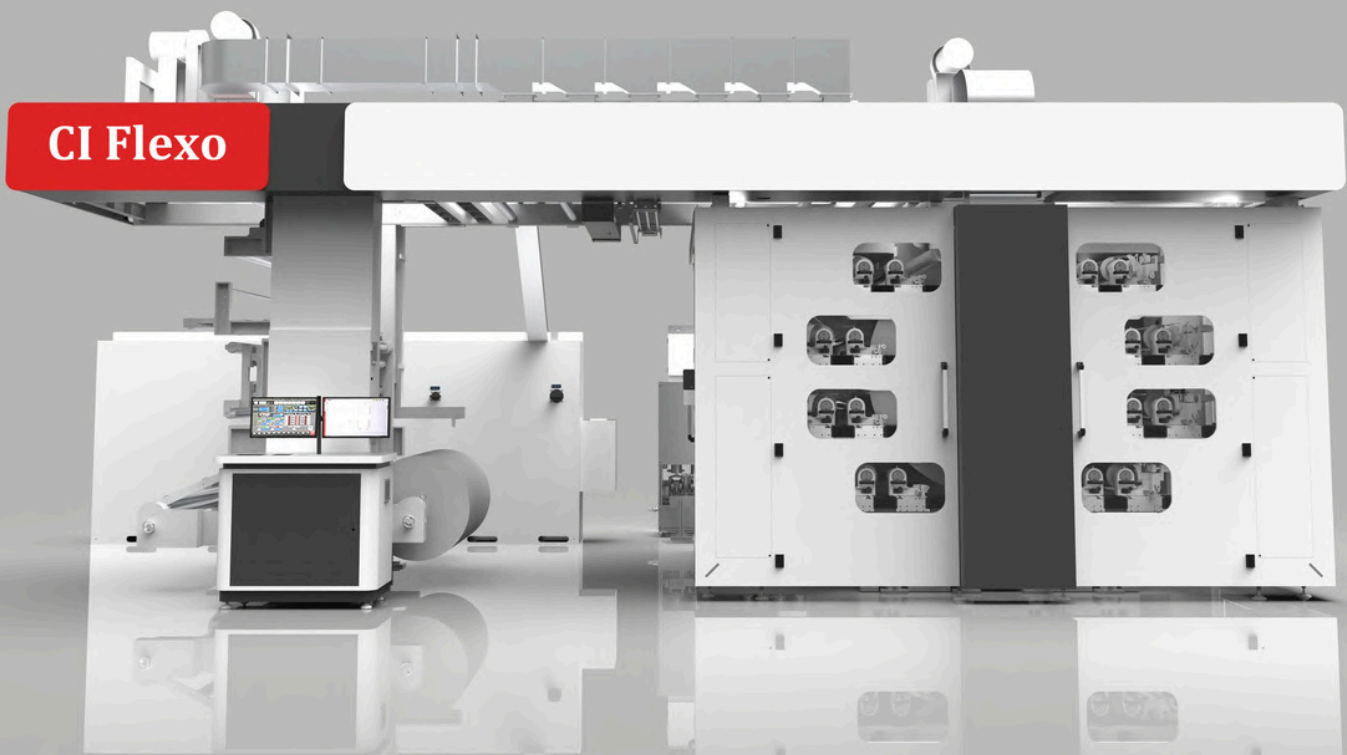
THE NEXT-GENERATION CI FLEXO PRESS

Innovation. Precision. Excellence.

■ INTRODUCTION

Experience the future of flexible packaging with Smart Pack Solution state-of-the-art **CI Flexo Press**. Engineered for precision, speed, and efficiency, this advanced printing solution offers unmatched performance with cutting-edge technology. Designed with a compact structure and robust mechanical rigidity, it ensures superior print quality, seamless operations, and maximum productivity. Elevate your packaging capabilities with the latest innovations in flexographic printing.

■ At Your Glance



THE NEXT-GENERATION CI FLEXO PRESS

➤ Latest Gearless Technology

➤ High-Efficiency Drying System

➤ Automatic Sleeve Changeover

➤ Advanced Ink Management
with Auto Wash

MACHINE SPECIFICATIONS

> Salient Features

- **Latest Gearless Technology** for precision printing.
- **Non-Stop Turret with Auto Splice** in unwind & rewind, controlled via a user-friendly touchscreen interface.
- **PLC Programmable Ink Management System** (Inking & Washing Up) for enhanced productivity.
- **Fast Changeover**: PLC-controlled system enables opening all stations in a maximum of 20 seconds, releasing all sleeves simultaneously.
- **Carbon Fibre Technology** utilized in Closed Chambered Doctor Blade, Plate Roller, & Anilox Roller Cylinder for improved performance.
- **High-Efficiency Drying System** synchronized with machine speed.
- **Recipe-Based Management** for optimal speed control.
- **LEL System** for automatic solvent retention control.
- **Portable Control Panels** at print sections and along the press for easy access.
- **LECO** (Learning Error Compensation Technology) System (Optional).
- **Automatic Pre-Register Control System** for faster job setup.
- **Automatic Deck Positioning Control** for enhanced precision.
- **User-Friendly Touch Key Operation** for intuitive usability.
- **Automatic Video Scanning System** for high-quality monitoring.

> Electric Control Cabinet (Electrical Container)

- A walk-in electric container for all electrical and electronic control systems.
- Full-size maritime container ensuring thermal insulation and air-conditioning for stable operation.
- The machine's main switch is conveniently located at the entrance of the container.
- Inspection Platform provided at the electric container level for easy maintenance.

> Main Control Console

- PC/PLC-based control sequences for streamlined machine operations.
- The computer control console allows for complete machine management, from production parameters to job setup.
- All essential switches, buttons, and displays are integrated for smooth operation.
- Remote Control Service enables quick troubleshooting and servicing, ensuring seamless operation worldwide.

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> **Automatic Turret Winders with Flying Splice**

- **Shafted or Shaftless Winder Turret**, built with 100mm (4") fabricated steel frames for high-speed operations.
- **Self-locking chucks** to secure winding shafts during reel rotation.
- **PLC-controlled sequence** for reel splice on both the unwinder and rewinder.
- **Automatic positioning of new reels** at the splice on the unwinder.
- **Print Cylinder Throw-Off Mechanism** in sync with the splice on the unwinder.
- **Bidirectional Flying Splice** operation managed via AC motor control for seamless roll changes.

> **Easylock (Patented) – Automatic Sleeve Changing System**

- **EASYLOCK technology** automates sleeve changes for both print cylinders and anilox rollers.
- **Programmable sleeve lock-unlock sequence** for rapid sleeve changeover.
- **Simultaneous operation** of all stations ensures maximum efficiency.
- **Complete sleeve changeover in just 20 seconds**, ensuring minimal downtime.
- **Same fast sequence** for closing stations and locking the sleeves.

> Ink Management with Auto Wash

- **Fully automated ink management system** for seamless ink supply and cleaning.
- **Integrated online viscometers** for real-time viscosity regulation.
- **Automated solvent connection to solvent recovery equipment**, ensuring a **safe**, eco-friendly operation.
- **Cleans ink chamber, anilox, ink tanks, and connection hoses** with minimal manual intervention.

> Carbon Fibre Chambered Doctor Blade System

- **Closed swinging chamber design** featuring **Carbon Fibre Technology**.
- **Pneumatically controlled system** with **independent adjustment** on both sides.
- **Tool-free blade and seal changeover system** for faster and safer maintenance.
- **Reduced ink adhesion** on the doctor blade, minimizing solvent usage and wash-up time.

■ APPLICATIONS

- **Food Packaging** – Snack pouches, frozen food bags, confectionery wrappers, and ready-to-eat meal packaging.
- **Beverage Packaging** – Labels and flexible pouches for juices, dairy products, and soft drinks.
- **Pharmaceutical & Medical Packaging** – Sterile wraps, blister packs, and medical-grade flexible packaging.
- **Personal Care & Hygiene Products** – Packaging for cosmetics, shampoos, baby wipes, and sanitary products.
- **Household & Industrial Packaging** – Detergent pouches, chemical-resistant packaging, and cleaning product wrappers.
- **Retail & E-commerce Packaging** – Custom-branded shopping bags, courier pouches, and flexible wrapping materials.

■ WHY CHOOSE Smart Pack Solutions?

- **Industry-Leading Expertise** – Over 15+ years of experience in flexible packaging and extrusion solutions
- **Innovative Technology** – Machines built with advanced engineering and patented technology
- **Global Reach** – Serving over 40 countries with reliable and cutting-edge packaging solutions
- **Customer-Centric Approach** – Comprehensive support, customized solutions, and after-sales service

A low-angle photograph of a modern building with a glass and metal facade, set against a blue sky with light clouds. The image is partially obscured by a dark blue diagonal shape in the top left corner.

Contact Us

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