

FLEXOGRAPHIC PRINTING MACHINES



Welcome to Prakash Group of Industries where you can see and judge yourself about the latest developments in printing technology and quality of the machine. We feel pleasure to introduce ourselves as one of the leading manufacturers of **Flexographic Printing Machines** in various sizes in India. You will not only find the broadest product range offered by any one manufacturer but also numerous technical highlights which open up new dimensions in the industry.

The company is well capable to meet the growing demand of printing and publishing industry. Prakash established a ultra modern hi-tech CNC manufacturing plant and all the A class components are built in its own factory by a highly skilled team of engineers using most up to date manufacturing method guarantee ingguaranteeing consistent quality and finish. Prakash manufactures **High quality flexo Presses** for the commercial printers and All of our presses are built entirely in our in-house state of the art production facilities. From Boring to cylinder grinding, our large investment in **CNC** technology allows us to produce parts that meet the exacting standard required to build a precision printing press. Our promise to you, the customer, is simple **“Nothing runs like our flexo presses”**



High Tech Infrastructure



Prakash relies heavily on technology upgrades for keeping a competitive edge perhaps, this explains the increased production of conventional manufacturing equipment with modern machineries resulting in increased production efficiency, consistent quality of components, and timely delivery. Most advance CAD/CAM software for design and manufacturing process being used. This ensures consistent and flawless performance. Company has got one of the most sophisticated machine shop having latest CNC machines, VMC, HMC, CNC grinders all of which cater for achieving high standards. All the machine critical components are processed on these advanced machining centers covering every aspect of parts production right from drilling, tapping, boring, milling etc. Ensuring a reliable and durable press. Company employs highly skilled workers with extensive experience in every aspect of manufacturing. Our dedicated team of R & D, production, marketing, service works hand in hand to study demands of printing industry and ensures individual attention to various customers.

FLEXOLIGHT-FLU SERIES

UNIT TYPE - SHAFT DRIVEN

Unit type is a high speed flexo printing machine which has many applications such as paper bags, paper cups, Tray paper printing, duplex board and many more. Prakash FLU series flexographic printing machine is capable of handling various substrates and gives excellent print quality due to precision components, robust design, and superior assembly techniques.

Main Characteristics •

High quality stress relieved casting of Grade 25

Electronic web guide system

Infeed and outfeed systems

Image inspection system for quality control

Hot air, IR, UV drying options

Ceramic anilox roller

Close loop auto tension control system

Single Doctor blade

Water based, Solvent or UV based inks

TECHNICAL PARAMETERS

MODEL NO	FLU 1050	FLU 1350
Number Of Colours	2 to 6	2 to 6
Max. Web Width	1050	1350
Max. Print Width	1000	1300
Ink Type	Water, Solvent	Water, Solvent
Anilox	Ceramic	Metal, Hard Chrome
Max. Speed	130 m/min	130 m/min
Ink Duct	Open Tray Type	Open Tray Type
Roll Lifting	Hydraulic	Hydraulic
Drying System	Hot Air Dryer	Hot Air Dryer
Web Guide	Automatic, close loop electronic web guide	
Braking System	Automatic, pneumatic brakes	
Plate Thickness	1.7mm	1.7mm
Ink Pumping	Air pump	Air pump
Transmission	Shafted	Shafted
Repeat Size	300-1000mm	Repeat Size
Substrate	35-350 gsm	35-350 gsm
Max Unwind Diameter	1270mm	1270mm

Options •

Chamber type doctor blade inking system

Online Slitting

Inline dust cleaning

Inline corona treatment

Turn bar system for back to back printing

APPLICATION SCOPE

Suitable for Eco-Friendly packaging such as

Paper Cups

Paper Boxes

Paper Bags

Pre-printing Of Paper Carton

Housing

Wall Paper Printing

Different Food Packaging

PAPER USED

Light Weight Coated Paper

Carton Board Materials

Kraft Paper

Aluminium Foil Paper

PVC Wall Paper

White Cardboard Paper

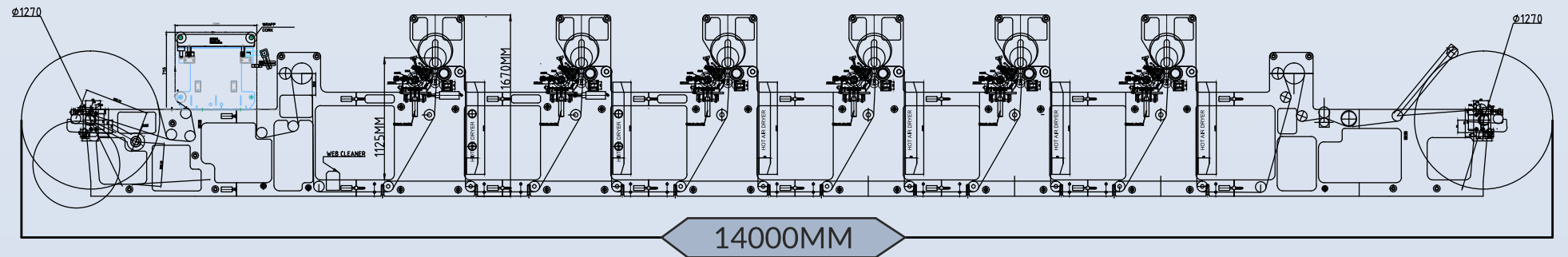
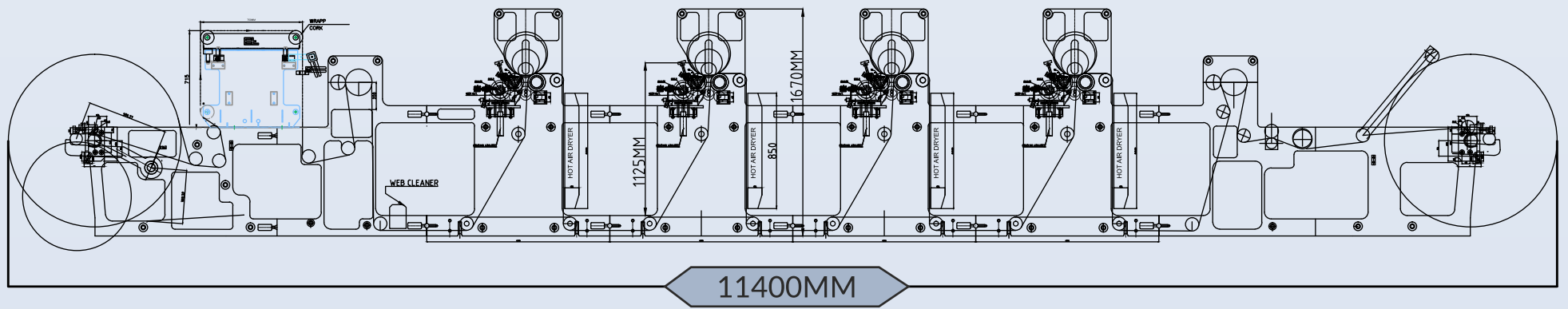
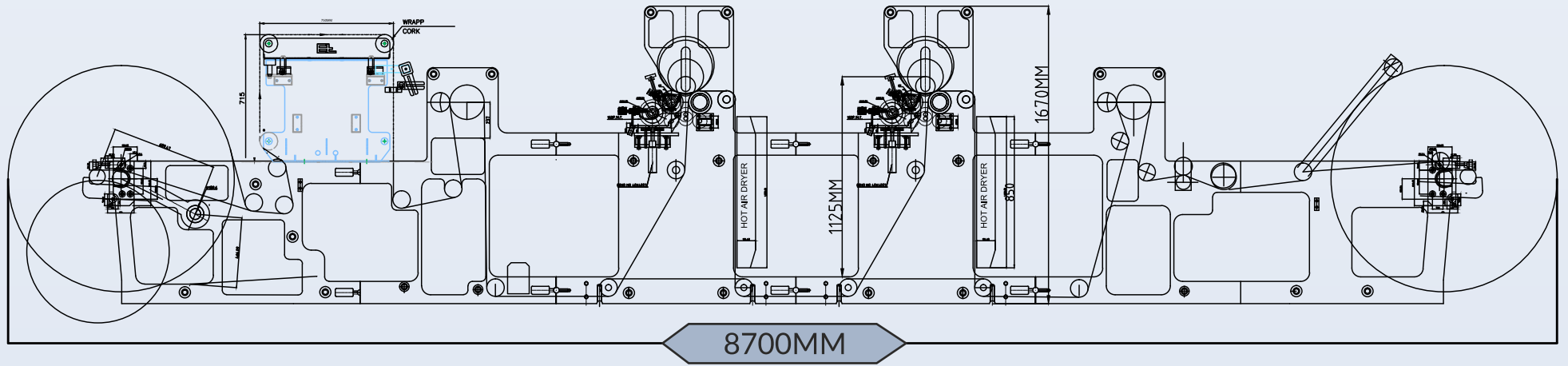
Laminated Paper

Chrome Paper



FLEXOLIGHT
Unit Type Flexographic Printing Machine

CONFIGURATION



FLEXOLIGHT - FLV SERIES

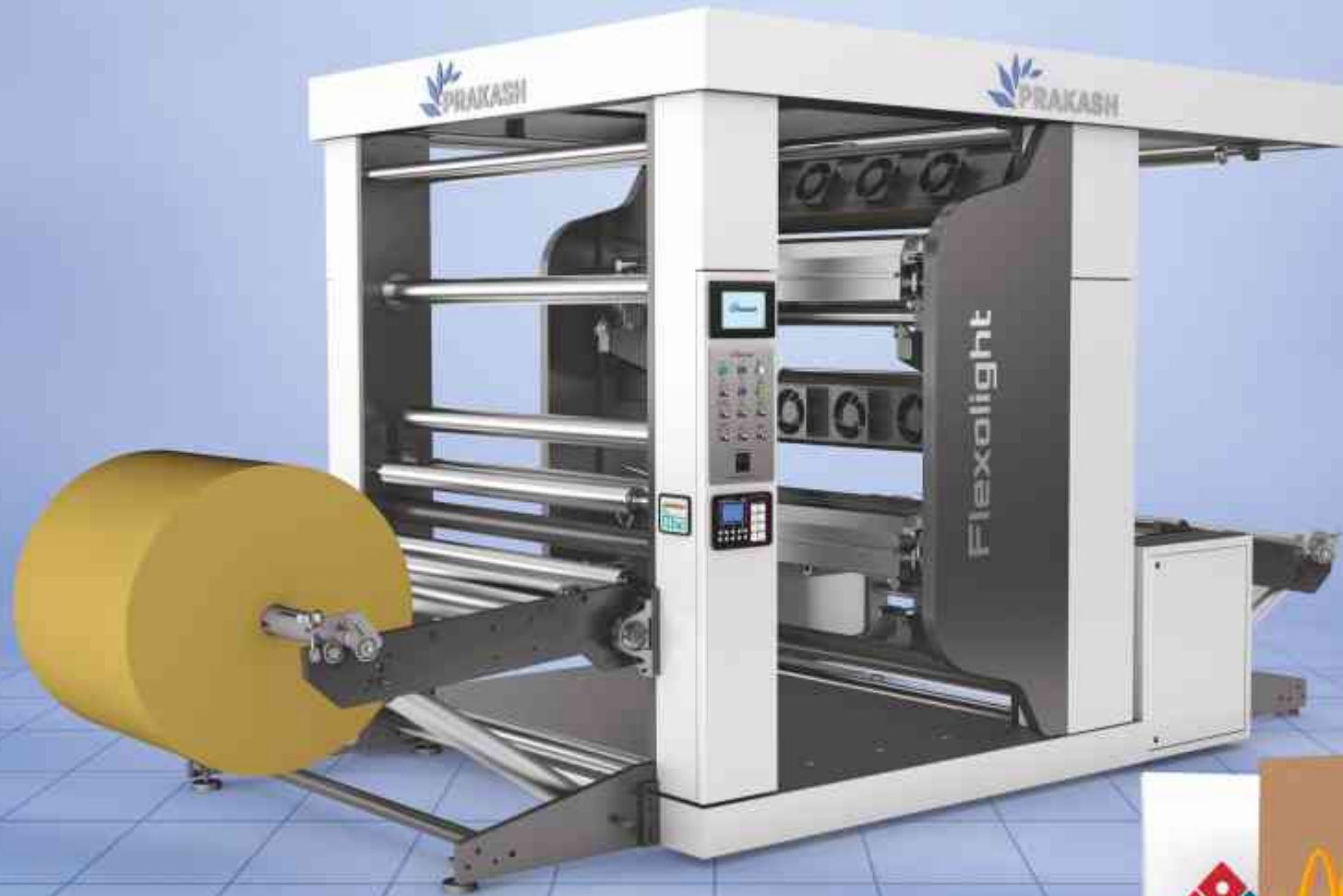
Stack Type Flexographic Printing Machines

In the FLV Series, individual color stations (sometimes called sections or decks) are stacked one over the both sides of a main press frame. Each color station is driven through gear trains supported by the main press frame.

Features	Optional	Advantages
<p>FLV Series are made with two to six color stations, although the most common configuration is a four-color press.</p>	<p>Shaftless drive system.</p>	<p>Ability to print large repeats.</p>
<p>Sturdy Cast Iron frames for minimum vibrations and fine printing.</p>	<p>Online slitting</p>	<p>Easy color-station accessibility, which facilitates changeover, wash-up, etc.</p>
<p>Automatic web guiding system for perfect rewinded rolls.</p>	<p>Auto tension control using vector controlled AC motors.</p>	<p>Made to deliver optimum performance and productivity.</p>
<p>Automatic Tension Control system for perfect registration.</p>	<p>High Quality Ceramic Anilox Roller.</p>	<p>Suitable of printing of kraft paper, rolling paper. Packing paper glass paper, P.P., P.E. and Polyesterene bags.</p>
<p>Small footprint and low power consumption.</p>	<p>PLC control with touch screen.</p>	<p>Heavy duty cast iron frame with precision CNC machining ensures perfect printing and lasting machine life.</p>
<p>Ability to print on various substrates such as paper, film, non-woven, PVC.</p>	<p>Double Close doctor chamber system able to high quality printing at high speeds with Ink Pump.</p>	<p>Facility to reverse web path for both sides printing with optimum drying time</p>
<p>Ability to print on various substrates such as paper, film, non-woven, PVC.</p>	<p>Motorized Web Video Inspection System for quality control.</p>	
<p>Drying system</p>	<p>In-feed and Out-feed System (Draw unit) for optimum web tension.</p>	
<p>Water based and solvent based inks.</p>		

FLV SERIES

Flexographic Printing Machines



2 COLOUR

ROLL TO ROLL STACK TYPE



HIGHLIGHTS

Automatic
Web
Guide System

Hydraulic
Roll Lifting

Touch Screen
Control

Air Shaft

Doctor Blade

High Speed

2 Colour Roll To Roll
Flexographic Printing
Machine

SPECIFICATIONS

MODEL NO.	FLV 21180	FLV 21380
Number of colours	2	2
Max. Web Width	1180	1380
Max. Print width	1160	1360
Ink Type	Water, Solvent	Water, Solvent
Anilox	Metal, Hard Chrome	Metal, Hard Chrome
Speed	90 m/min	90 m/min
Ink Duct	Open Tray Type	Open Tray Type
Roll Lifting	Hydraulic	Hydraulic
Drying System	Hot Air Dryer	Hot Air Dryer
Web Guide	Automatic, close loop electronic web guide	Automatic, close loop electronic web guide
Braking System	Automatic, pneumatic brakes	Automatic, pneumatic brakes
Plate Thickness	1.7mm	1.7mm
Weight	3000 kg	3500 kg
Dimensions	3.2 X 2.5 X 2.4 m	3.2 X 2.5 X 2.4 m

FLV SERIES

Flexographic Printing Machines



4 COLOUR

ROLL TO ROLL STACK TYPE



SPECIFICATIONS

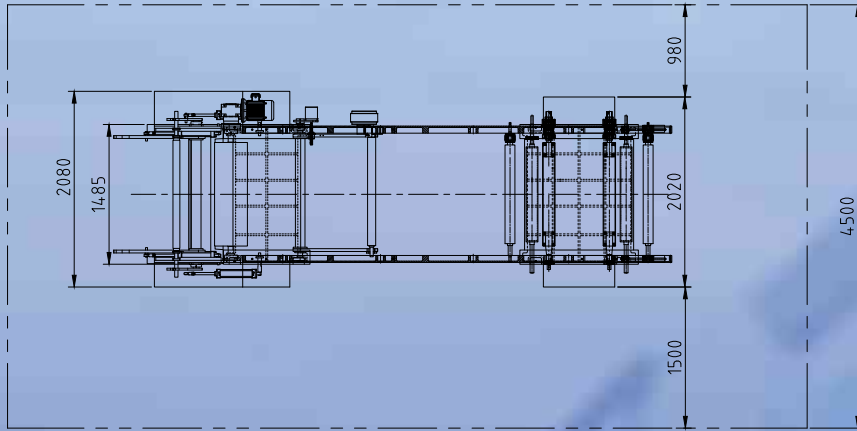
4 Colour Roll To Roll Flexographic Printing Machine

MODEL NO.	FLV 41000	FLV 41250	FLV 41350
Number of colours	4	4	4
Max. Web Width	1000	1250	1350
Max. Print width	950	1200	1300
Ink Type	Water, Solvent	Water, Solvent	Water, Solvent
Anilox	Metal, Hard Chrome	Metal, Hard Chrome	Metal, Hard Chrome
Speed	70 m/min	70 m/min	70 m/min
Ink Duct	Open Tray Type	Open Tray Type	Open Tray Type
Roll Lifting	Hydraulic	Hydraulic	Hydraulic
Drying System	Hot Air Dryer	Hot Air Dryer	Hot Air Dryer
Web Guide	Automatic, close loop electronic web guide	Automatic, close loop electronic web guide	Automatic, close loop electronic web guide
Braking System	Automatic, pneumatic brakes	Automatic, pneumatic brakes	Automatic, pneumatic brakes
Plate Thickness	1.7mm	1.7mm	1.7mm
Weight	5500 kgs	6000 kgs	6500 kgs
Ink Pumping	Air pump	Air pump	Air pump
Transmission	Precision Timer belt	Precision Timer belt	Precision Timer belt
Dimensions	5.3 X 2.3 X 2.5 m	5.3 X 2.55 X 2.5 m	5.3 X 2.65 X 2.5 m

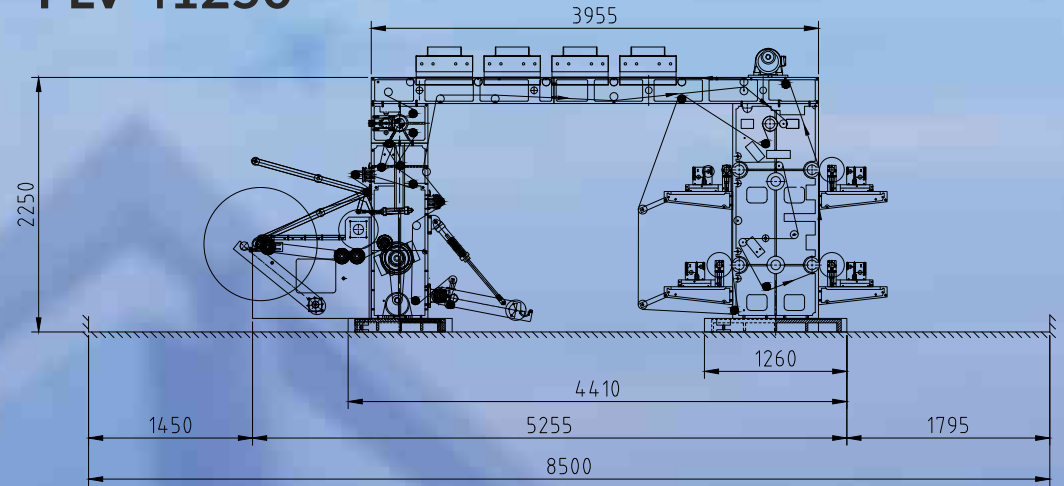
HIGHLIGHTS

Automatic Web Guide System	Doctor Blade	Hydraulic Roll Lifting	Auto Ink pumping
Touch Screen Control	High Speed	Air Shaft	

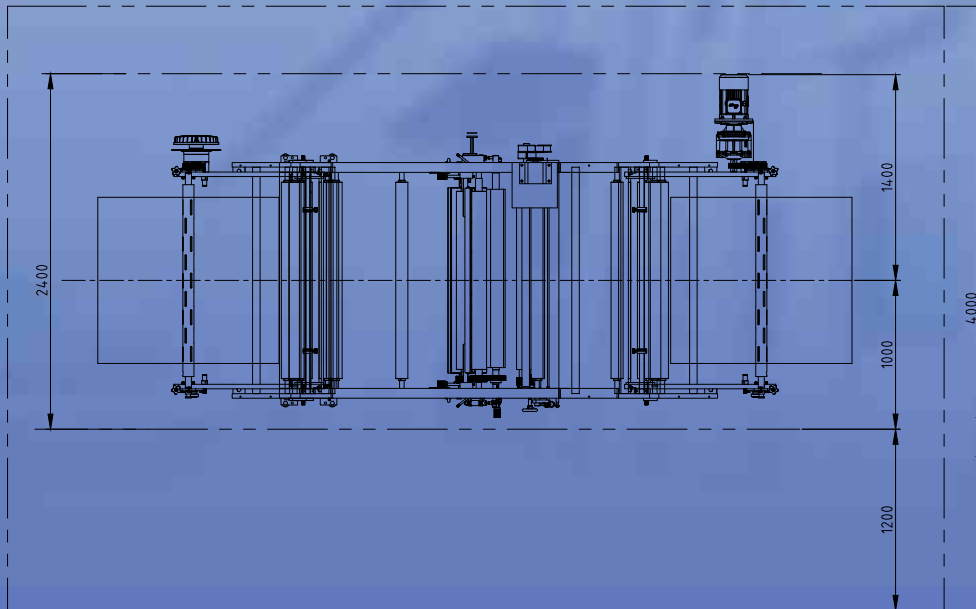
4 Colour Machine



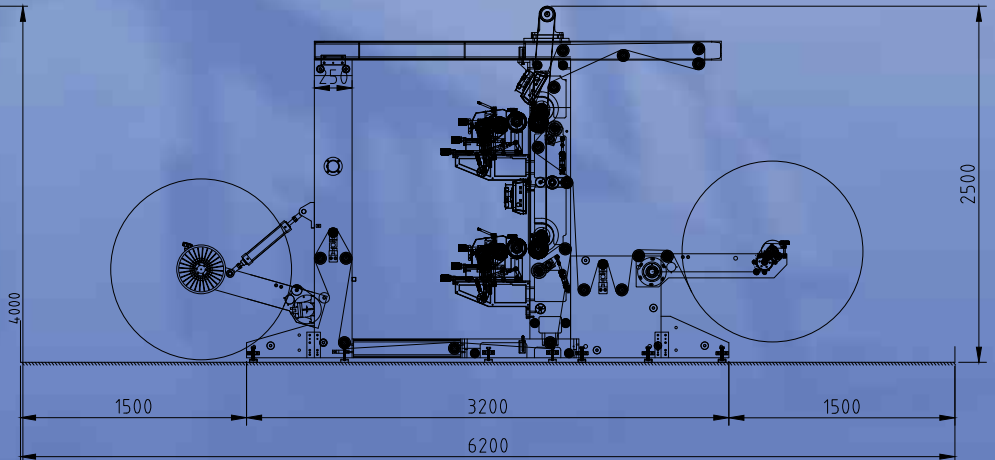
FLV 41250



2 Colour Machine



FLV-21180



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