

WWW.FLEXOANDGRAVURE.COM

# Your Palette of Imagination

MANUFACTURER AND EXPORTER OF FLEXOGRAPHIC & ROTOGRAVURE PRINTING MACHINES



**GEHLOT**  
PRINTING IMPRESSIONS SINCE 1982



# Your Palette of Imagination

**FLEXOGRAPHY** ( OFTEN ABBREVIATED TO FLEXO ) IS A FORM OF PRINTING PROCESS WHICH GENERALLY UTILIZES A FLEXIBLE RELIEF PLATE. IT IS ESSENTIALLY A MODERN VERSION OF LETTERPRESS WHICH CAN BE USED FOR PRINTING ON ALMOST ANY TYPE OF SUBSTRATE, INCLUDING PLASTIC, METALLIC FILMS, CELLOPHANE AND PAPER. IT IS WIDELY USED FOR PRINTING ON THE NON-POROUS SUBSTRATES REQUIRED FOR VARIOUS TYPES OF FOOD PACKAGING ( WELL SUITED FOR PRINTING LARGE AREAS OF SOLID COLOR ).

#### **HISTORY :**

In 1890, the first such patented press was built in Liverpool, England by Bibby, Baron and Sons. The water-based ink smeared easily, leading the device to be known as "Bibby's Folly". In the early 1900s, other European presses using rubber printing plates and aniline oil-based ink were developed. This led to the process being called "aniline printing". By the 1920s, most presses were made in Germany.

#### **EVOLUTION :**

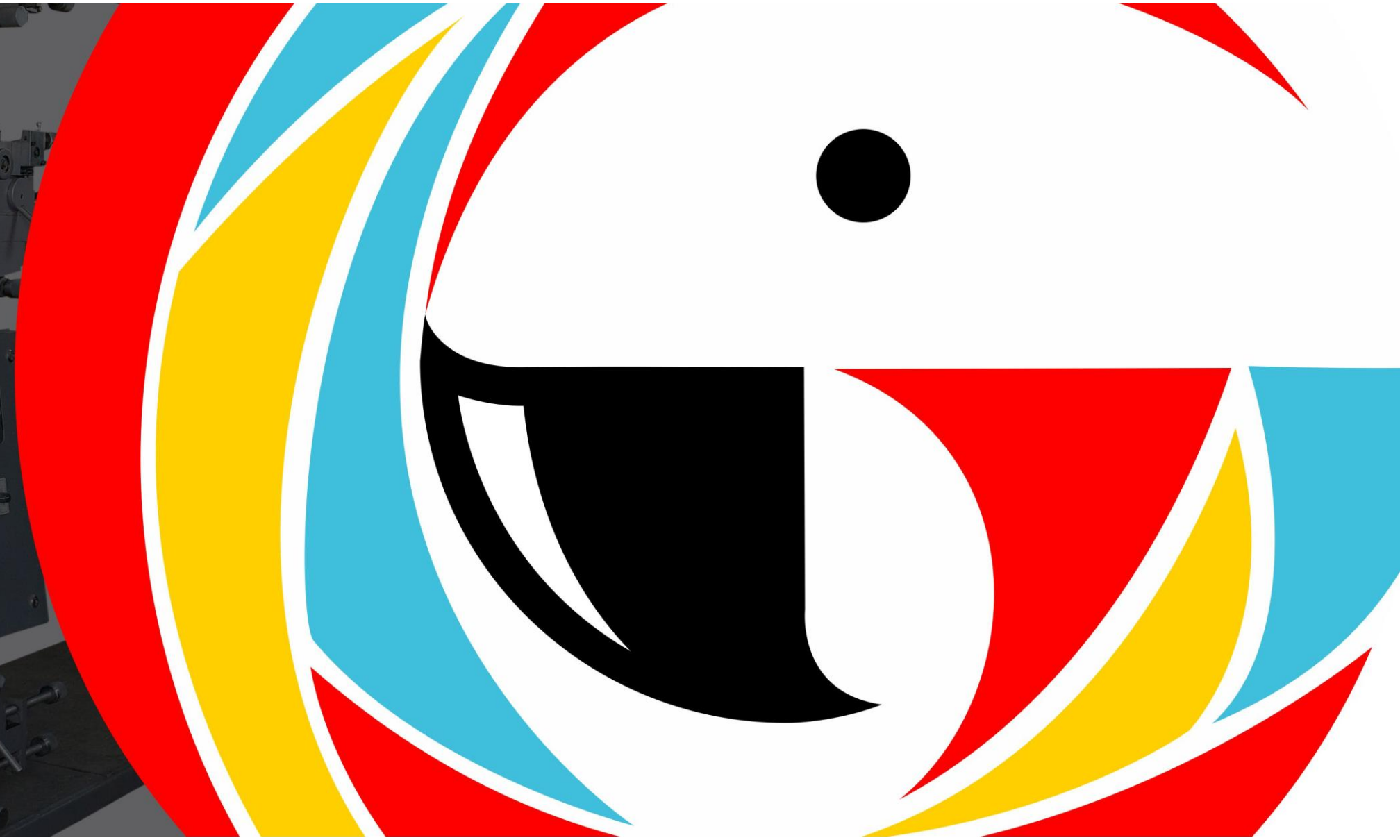
Originally, flexographic printing was rudimentary in quality. Labels requiring high quality have generally been printed using the offset process until recently. Since 1990, great advances have been made to the quality of flexographic printing presses, printing plates and printing inks. The greatest advances in flexographic printing have been in the area of photopolymer printing plates, including improvements to the plate material and the method of plate creation. Laser-etched ceramic anilox rolls also play a part in the improvement of print quality. Full-color picture printing is now possible, and some of the finer presses available today, in combination with a skilled operator, allow quality that rivals the lithographic process. One ongoing improvement has been the increasing ability to reproduce highlight tonal values, thereby providing a workaround for the very high dot gain associated with flexographic printing.

In 1984, Gehlot Industries first introduced halftone photo printing used for a local election campaign and later on displayed halftone photo print in International exhibition called PlastIndia in 1997 in New Delhi.



**Gehlot** is leading manufacturer & exporter of converting machinery such as flexographic printing machine, rotogravure printing machine, laminating machine etc. and have more than 36 years of experience in the field of flexible packaging & printing industries. Our machines are next to none in quality and workmanship, and proven to be the most energy efficient machine. We have supplied a large number of machines in India and abroad. Our customers are a testimony to our relentless commitment towards excellent performance and backed by rarely required after sales service which meets the real sense of creativity.

**WHO WE ARE**



# 1/2 Colour

Model : SUPER ECO  
Flexo Graphic  
Printing Machine

## FEATURES

- The machine is suitable for printing on :
  - LDPE
  - HM
  - HDPE
  - PP
  - PAPER
- Perfect Registration
- Uniform Impression
- Single Winder & Single Unwinder (1 Colour)
- Double Winder & Single Unwinder (2 Colour)

1 colour | 2 colour, 1+1

## TECHNICAL

Web Width<sub>(inches)</sub> : 14 | 16 | 20 | 26 | 32  
 Printing Width<sub>(inches)</sub> : 12 | 14 | 18 | 24 | 30  
 Print Repeat<sub>(inches)</sub> : 8 to 36  
 Max Reel Dia.<sub>(inches)</sub> : 24  
 Printing Speed : 50 meter/min

## DIMENSIONS

HEIGHT	LENGTH	WIDTH
7.5 FT	6 FT	6 FT

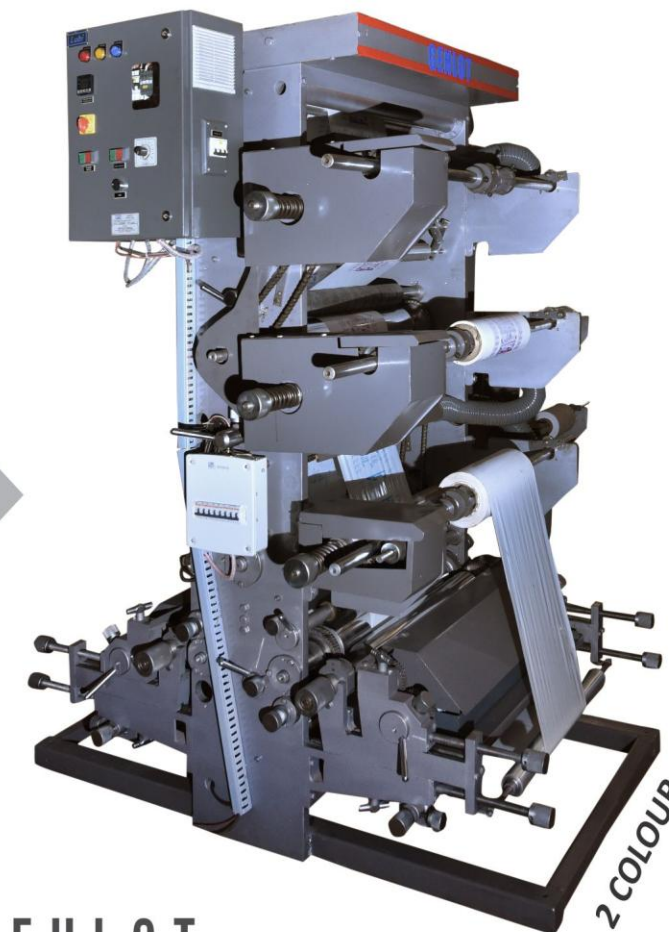
## POWER REQUIREMENTS\*

Main Drive : 2 HP  
 Blower AC Motor : 0.5 HP  
 Heaters (1 colour) : 4.5 Kw.(6 HP)  
 Heaters (2 colour) : 5.5 Kw.(7.5 HP)

## OPTIONAL

- Doctor Blade System

\*Note: Specifications are subject to change without notice



**GEHLOT**  
 PRINTING IMPRESSIONS SINCE 1982

# 4Colour

Model : ECO  
Flexo Graphic  
Printing Machine

## ▶ FEATURES

- The machine is suitable for printing on :



- Perfect Registration
- Uniform Impression
- Reverse Printing Arrangement
- Double Winder & Double Unwinder

4, 3+1, 2+2 colour

## ▶ TECHNICAL

Web Width<sub>(inches)</sub> : 14 | 16 | 20 | 26 | 32 | 36 | 42  
Printing Width<sub>(inches)</sub> : 12 | 14 | 18 | 24 | 30 | 34 | 40  
Print Repeat<sub>(inches)</sub> : 8 to 36  
Max Reel Dia.<sub>(inches)</sub> : 30  
Printing Speed : 50 meter/min

## ▶ DIMENSIONS

HEIGHT  
8 FT

LENGTH  
15 FT

WIDTH  
6 FT

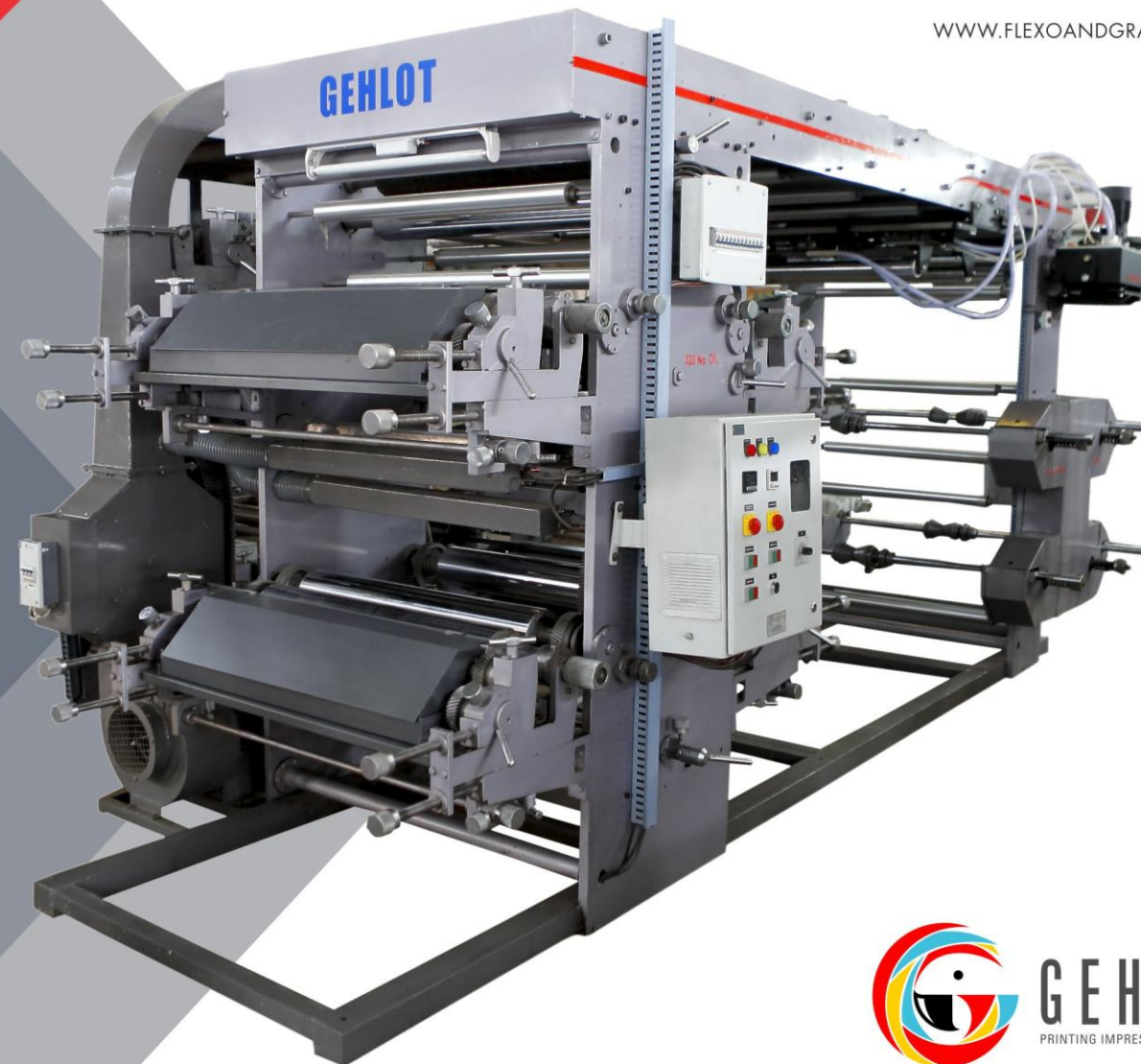
## ▶ POWER REQUIREMENTS\*

Main Drive : 3 HP  
Blower AC Motor : 2 HP  
Heaters : 9 Kw.(12 HP)

## ▶ OPTIONAL

- Web Aligner
- Tension Control System
- Doctor Blade System

\*Note: Specifications are subject to change without notice



# 4Colour

Model : STANDARD  
Flexo Graphic  
Printing Machine

## ▶ FEATURES

- The machine is suitable for printing on :



- Perfect Registration
- Uniform Impression
- Reverse Printing Arrangement
- Double Winder & Double Unwinder

4, 3+1, 2+2 colour

## ▶ TECHNICAL

Web Width<sub>(inches)</sub> : 14 | 16 | 20 | 26 | 32 | 36 | 42  
Printing Width<sub>(inches)</sub> : 12 | 14 | 18 | 24 | 30 | 34 | 40  
Print Repeat<sub>(inches)</sub> : 8 to 36  
Max Reel Dia.<sub>(inches)</sub> : 30  
Printing Speed : 50 meter/min

## ▶ DIMENSIONS

HEIGHT  
8 FT

LENGTH  
19 FT

WIDTH  
6 FT

## ▶ POWER REQUIREMENTS\*

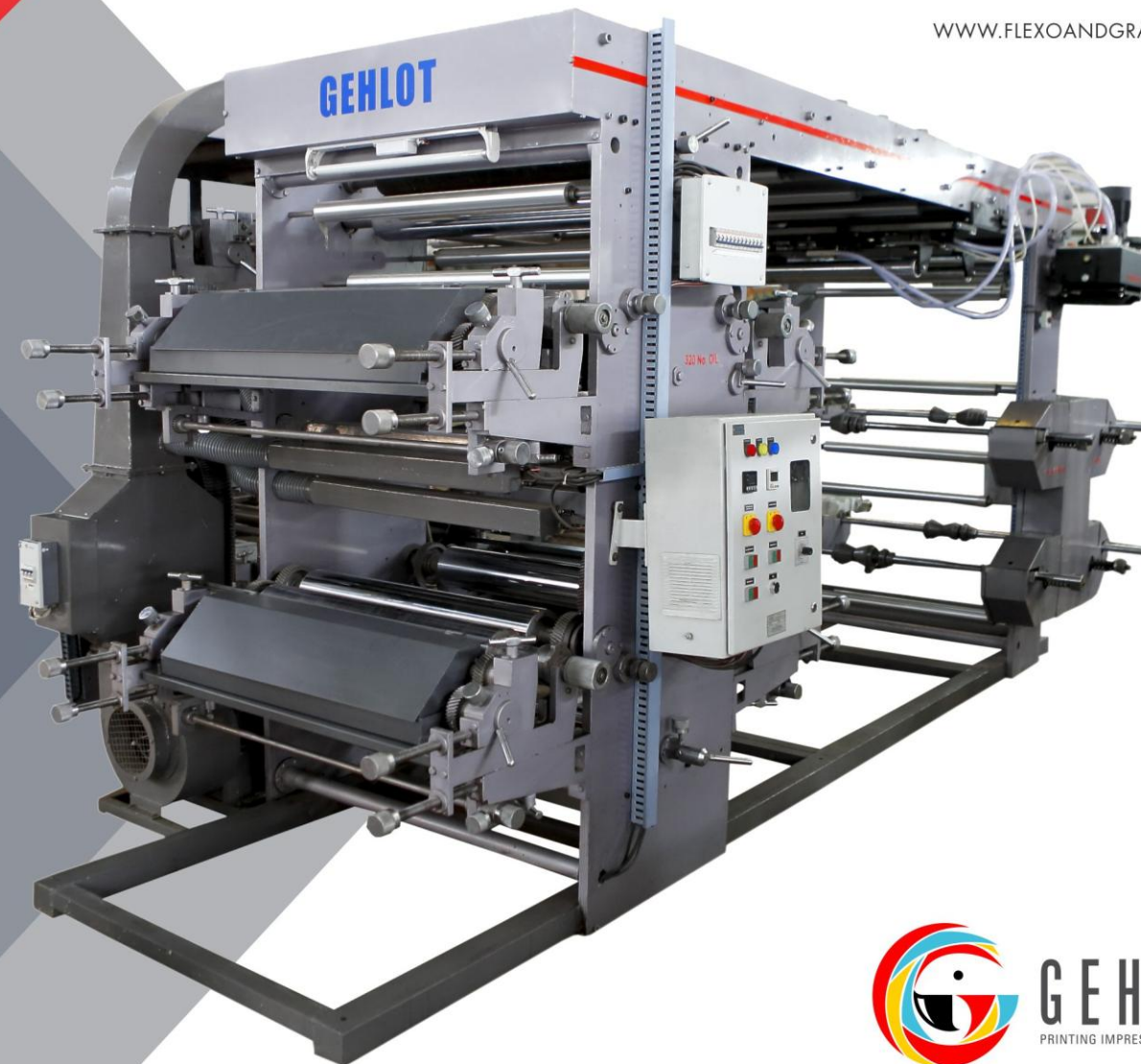
Main Drive : 3 HP  
Blower AC Motor : 2 HP  
Heaters : 9 Kw.(12 HP)

## ▶ OPTIONAL

- Web Aligner
- Tension Control System
- Doctor Blade System

\*Note: Specifications are subject to change without notice

WWW.FLEXOANDGRAVURE.COM



# 6Colour Model : STANDARD Flexo Graphic Printing Machine

## ▶ FEATURES

• The machine is suitable for printing on :



- Perfect Registration
- Uniform Impression
- Reverse Printing Arrangement
- Double Winder & Double Unwinder

6, 5 + 1, 4 + 2, 3 + 3 colour

## ▶ TECHNICAL

Web Width<sub>(inches)</sub> : 14 | 16 | 20 | 26 | 32 | 36 | 42  
 Printing Width<sub>(inches)</sub> : 12 | 14 | 18 | 24 | 30 | 34 | 40  
 Print Repeat<sub>(inches)</sub> : 8 to 36  
 Max Reel Dia.<sub>(inches)</sub> : 30  
 Printing Speed : 50 meter/min

## ▶ DIMENSIONS

HEIGHT  
9 FT

LENGTH  
19 FT

WIDTH  
6-8 FT

## ▶ POWER REQUIREMENTS\*

Main Drive : 3 HP / 5 HP  
 Blower AC Motor : 2 HP X 2  
 Heaters : 12 Kw.(16 HP)

## ▶ OPTIONAL

- Web Aligner
- Tension Control System
- Doctor Blade System

\*Note: Specifications are subject to change without notice



# 6Colour

Model : CDBS CHAMBERED DOCTOR  
BLADE SYSTEM  
Flexo Graphic  
Printing Machine

## ▶ FEATURES

• The machine is suitable for printing on :



- Perfect Registration
- Uniform Impression
- Reverse Printing Arrangement
- Double Winder & Double Unwinder

6, 5+1, 4+2, 3+3 colour

## ▶ TECHNICAL

Web Width<sub>(inches)</sub> : 14 | 16 | 20 | 26 | 32 | 36 | 42  
 Printing Width<sub>(inches)</sub> : 12 | 14 | 18 | 24 | 30 | 34 | 40  
 Print Repeat<sub>(inches)</sub> : 8 to 45  
 Max Reel Dia.<sub>(inches)</sub> : 30  
 Printing Speed : 80-100 meter/min (\*Depends on Job)

## ▶ DIMENSIONS

HEIGHT  
9 FT

LENGTH  
19 FT

WIDTH  
8 FT

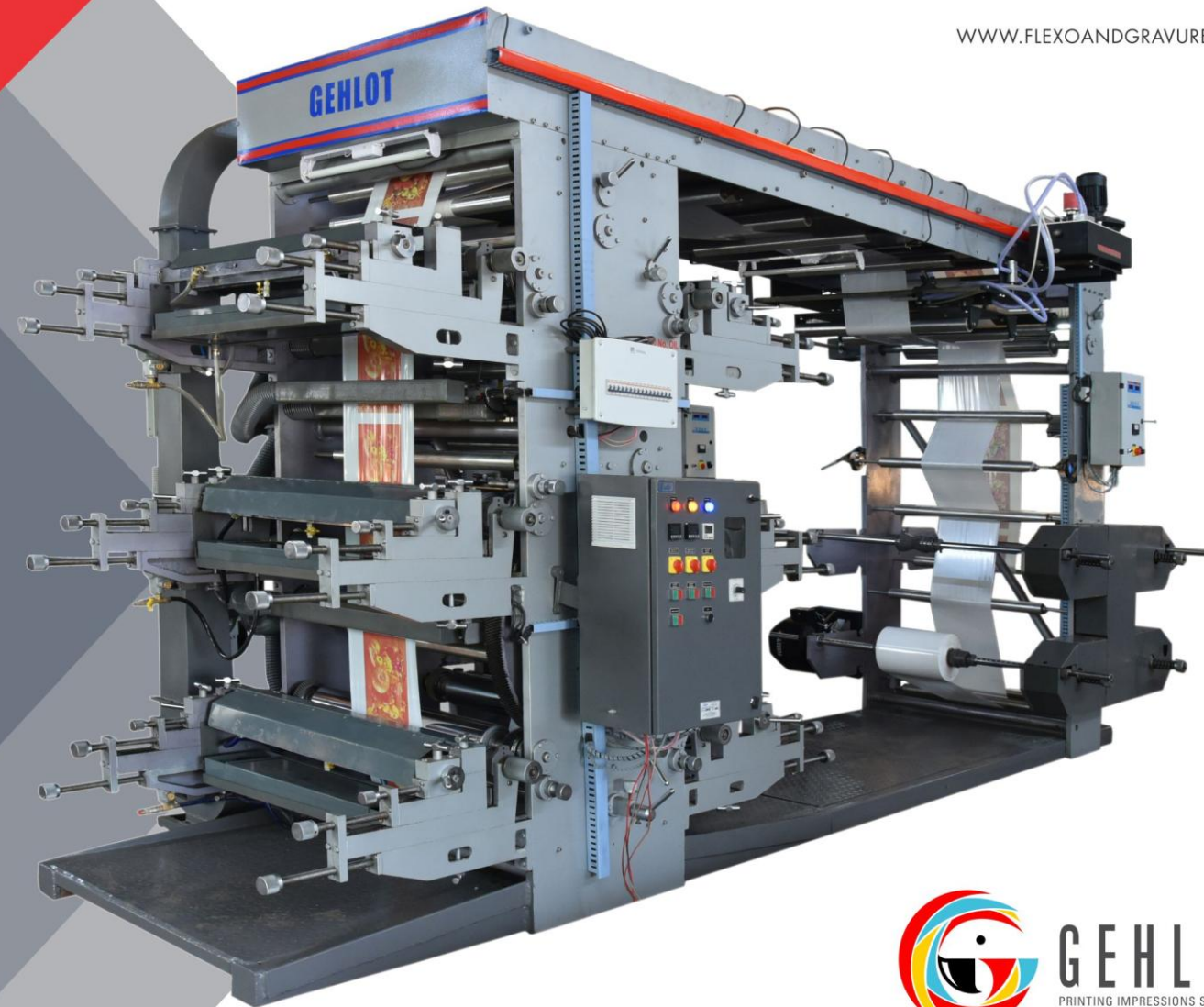
## ▶ POWER REQUIREMENTS\*

Main Drive : 5 HP / 7.5 HP  
 Blower AC Motor : 2 HP X 2  
 Heaters : 9 Kw.(12 HP)

## ▶ OPTIONAL

- Web Aligner
- Tension Control System
- Pneumatic System
- Air Shaft

\*Note: Specifications are subject to change without notice





# 4/6 Colour Model : PAPER PRINTING Flexo Graphic Printing Machine

## ▶ FEATURES

- The machine is suitable for printing on :  
LDPE HM HDPE PP PAPER
- Perfect Registration
- Uniform Impression
- Single Winder & Single Unwinder

6, 5, 4, 3, 2, 1 colour

## ▶ TECHNICAL

Web Width<sub>(inches)</sub> : 14 | 16 | 20 | 26 | 32 | 36 | 42 | 48  
 Printing Width<sub>(inches)</sub> : 12 | 14 | 18 | 24 | 30 | 34 | 40 | 46  
 Print Repeat<sub>(inches)</sub> : 8 to 36  
 Max Reel Dia.<sub>(inches)</sub> : 45  
 Printing Speed : 60 meter/min

## ▶ DIMENSIONS

HEIGHT  
9 FT

LENGTH  
14 FT

WIDTH  
6 FT

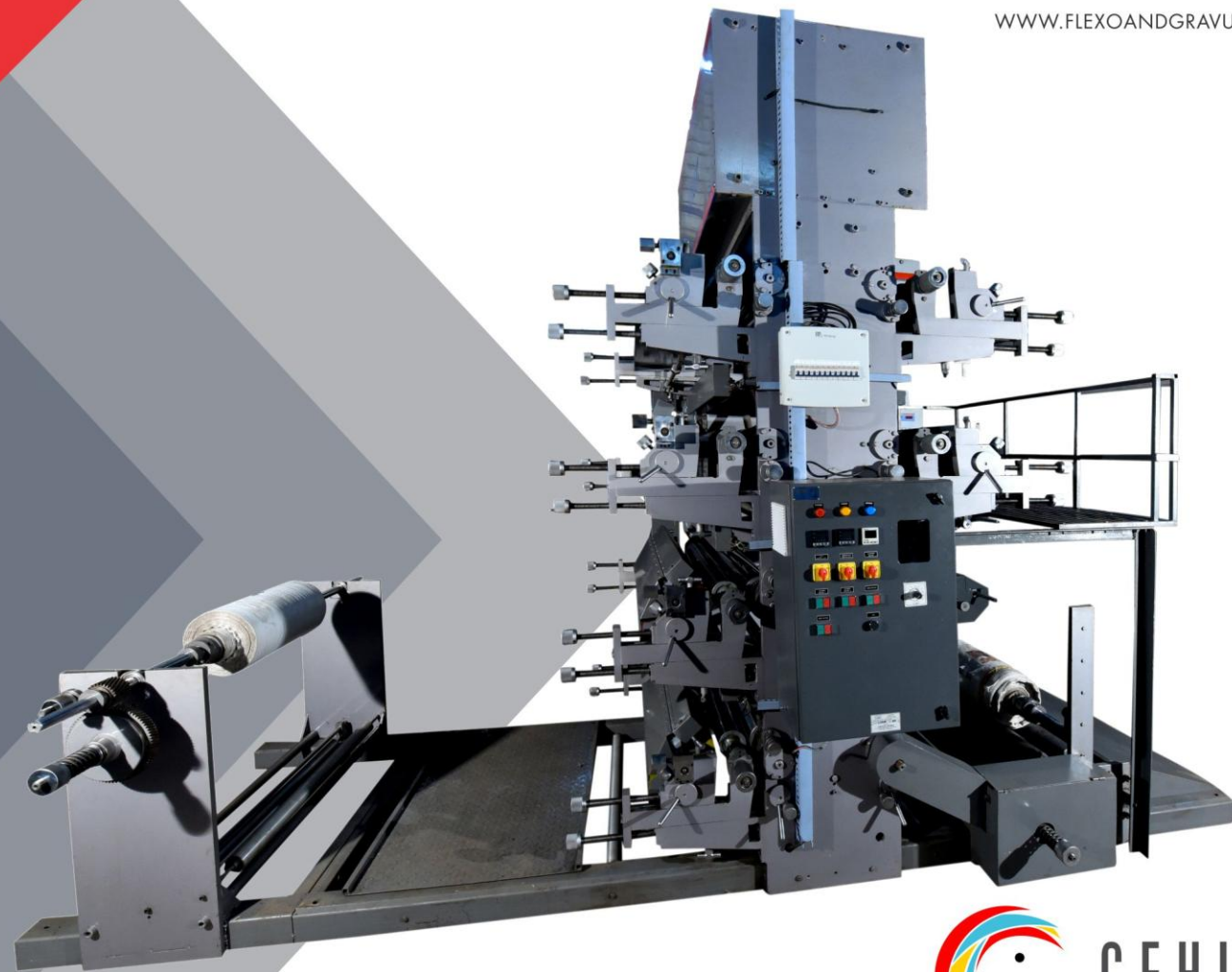
## ▶ POWER REQUIREMENTS\*

Main Drive : 5 HP / 7.5 HP  
 Blower AC Motor : 2 HP X 2  
 Heaters : 9 Kw.(12 HP)

## ▶ OPTIONAL

- Web Aligner
- Tension Control System
- Doctor Blade System

\*Note: Specifications are subject to change without notice



# 8 Colour

Model : STANDARD  
Flexo Graphic  
Printing Machine

## FEATURES

- The machine is suitable for printing on :
  - LDPE
  - HM
  - HDPE
  - PP
  - PAPER
- Perfect Registration
- Uniform Impression
- Reverse Printing Arrangement
- Double Winder & Double Unwinder

8, 7+1, 6+2, 5+3, 4+4 colour

## TECHNICAL

Web Width<sub>(inches)</sub> : 14 | 16 | 20 | 26 | 32 | 36 | 42  
 Printing Width<sub>(inches)</sub> : 12 | 14 | 18 | 24 | 30 | 34 | 40  
 Print Repeat<sub>(inches)</sub> : 8 to 36  
 Max Reel Dia.<sub>(inches)</sub> : 30  
 Printing Speed : 50 meter/min

## DIMENSIONS

HEIGHT  
11 FT

LENGTH  
20 FT

WIDTH  
8 FT

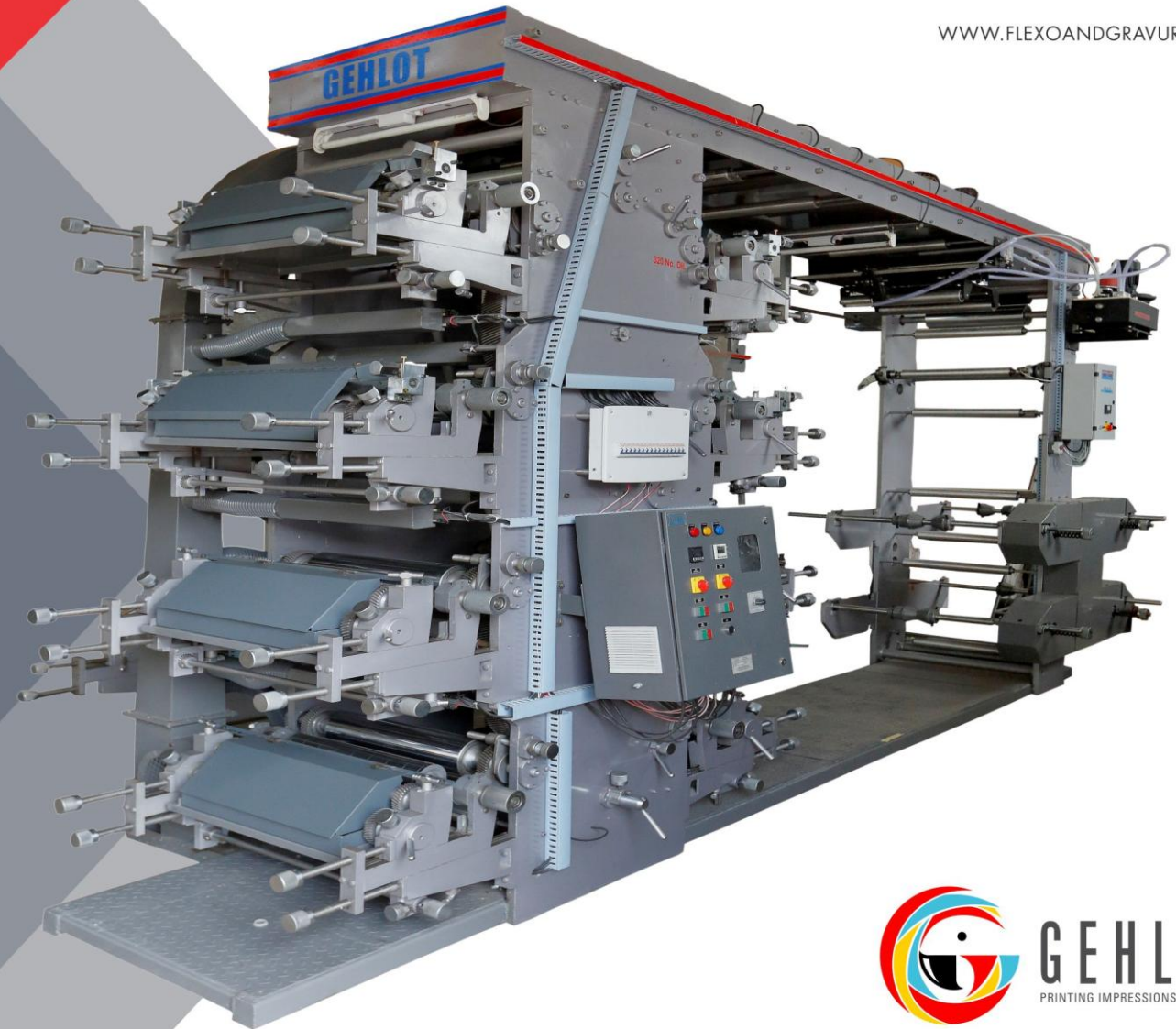
## POWER REQUIREMENTS\*

Main Drive : 5 HP / 7.5 HP  
 Blower AC Motor : 2 HP X 2  
 Heaters : 15 Kw.(20 HP)

## OPTIONAL

- Web Aligner
- Tension Control System
- Doctor Blade System

\*Note: Specifications are subject to change without notice



# 8 Colour

Model : CDBS CHAMBERED DOCTOR  
BLADE SYSTEM

## Flexo Graphic Printing Machine

### ▶ FEATURES

• The machine is suitable for printing on :



- Perfect Registration
- Uniform Impression
- Reverse Printing Arrangement
- Double Winder & Double Unwinder

8, 7+1, 6+2, 5+3, 4+4 colour

### ▶ TECHNICAL

Web Width<sub>(inches)</sub> : 14 | 16 | 20 | 26 | 32 | 36 | 42  
Printing Width<sub>(inches)</sub> : 12 | 14 | 18 | 24 | 30 | 34 | 40  
Print Repeat<sub>(inches)</sub> : 8 to 45  
Max Reel Dia.<sub>(inches)</sub> : 30  
Printing Speed : 80-100 meter/min (\*Depends on Job)

### ▶ DIMENSIONS

HEIGHT  
11 FT

LENGTH  
20 FT

WIDTH  
8 FT

### ▶ POWER REQUIREMENTS\*

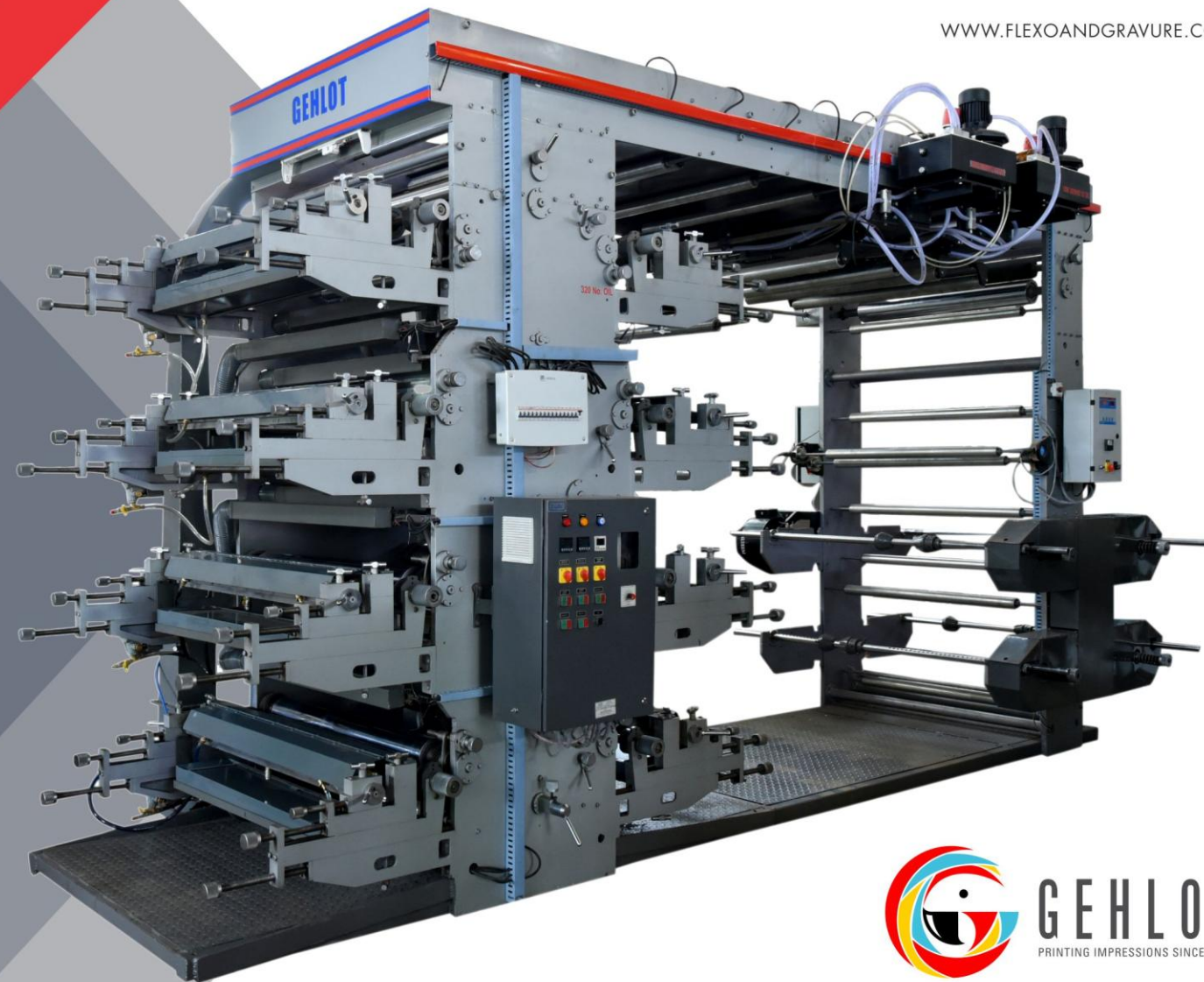
Main Drive : 7.5 HP  
Blower AC Motor : 2 HP X 2  
Heaters : 15 Kw.(20 HP)

### ▶ OPTIONAL

- Web Aligner
- Tension Control System
- Pneumatic System
- Air Shaft

\*Note: Specifications are subject to change without notice

WWW.FLEXOANDGRAVURE.COM





NOTES



**GEHLOT**  
PRINTING IMPRESSIONS SINCE 1982

T : +91.291.2740142  
F : +91.291.2740527  
M : +91.9829025527  
M : +91.8003146796  
E1 : gehlotind@gmail.com  
E2 : info@suryaartpalace.com  
E3 : info@gehlotindustries.com

**FOR INDIAN MARKET :**  
**GEHLOT INDUSTRIES**

**FOR EXPORTS :**  
**SURYA ART PALACE**  
5-6/1B, Heavy Industrial Area,  
Woolen Mills Compound,  
Jodhpur 342003, Rajasthan, INDIA

[www.flexoandgravure.com](http://www.flexoandgravure.com)  
[www.gehlotindustries.com](http://www.gehlotindustries.com)

UNDER JURISDICTION OF JODHPUR



Dealer :