➢OBJECTIVE

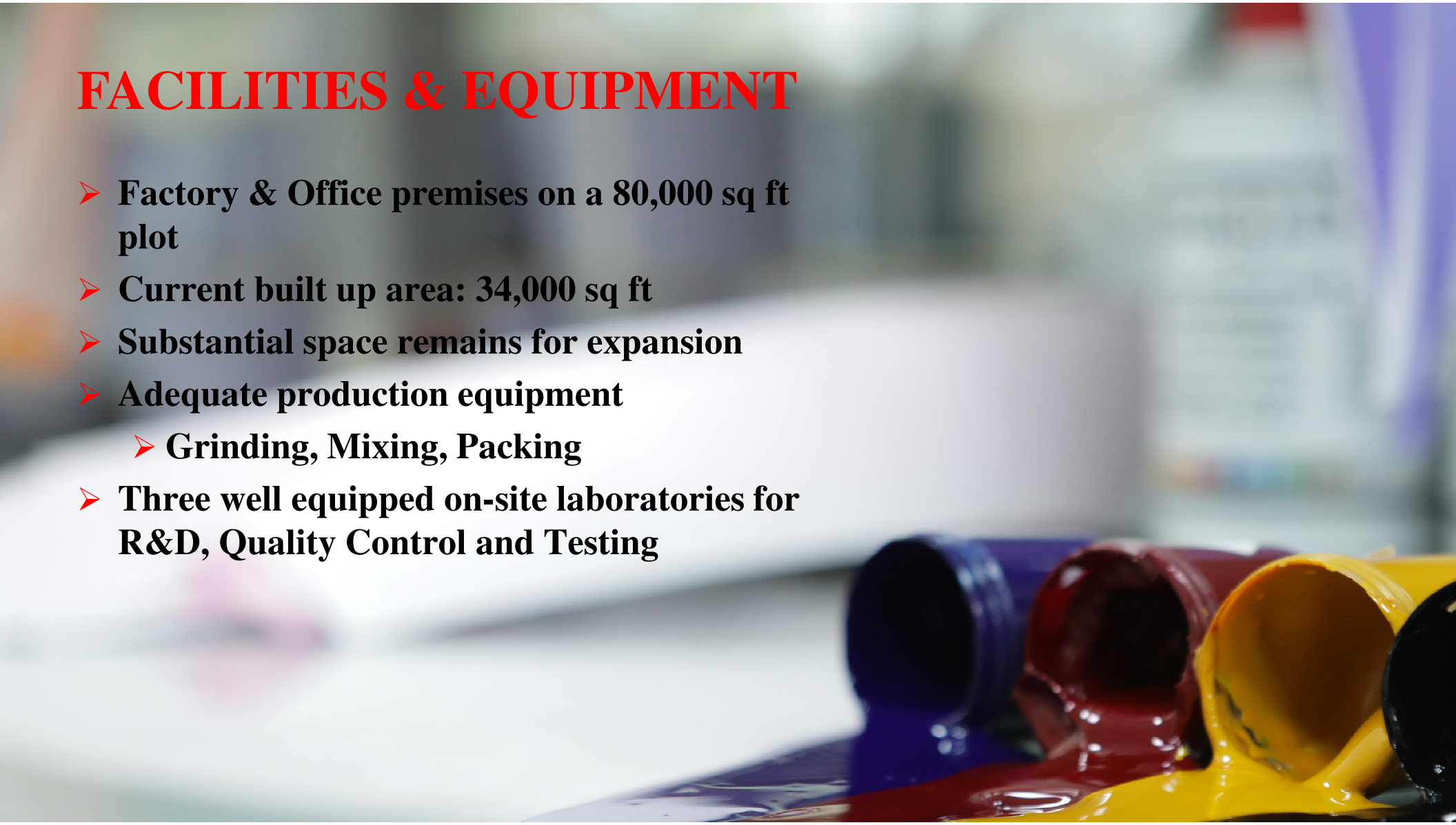
➢Reduced cost & lead time of special (non standard colours) which may be required from time to time.

➢Provide a total package to meet all customer current and future needs.

➢ SHAD POLYMERS provides Finished Ink systems to customers by increasing synergies of these two leading companies jointly.

FACILITIES & EQUIPMENT

- Factory & Office premises on a 80,000 sq ft plot
- Current built up area: 34,000 sq ft
- Substantial space remains for expansion
- Adequate production equipment
  - Grinding, Mixing, Packing
- Three well equipped on-site laboratories for R&D, Quality Control and Testing

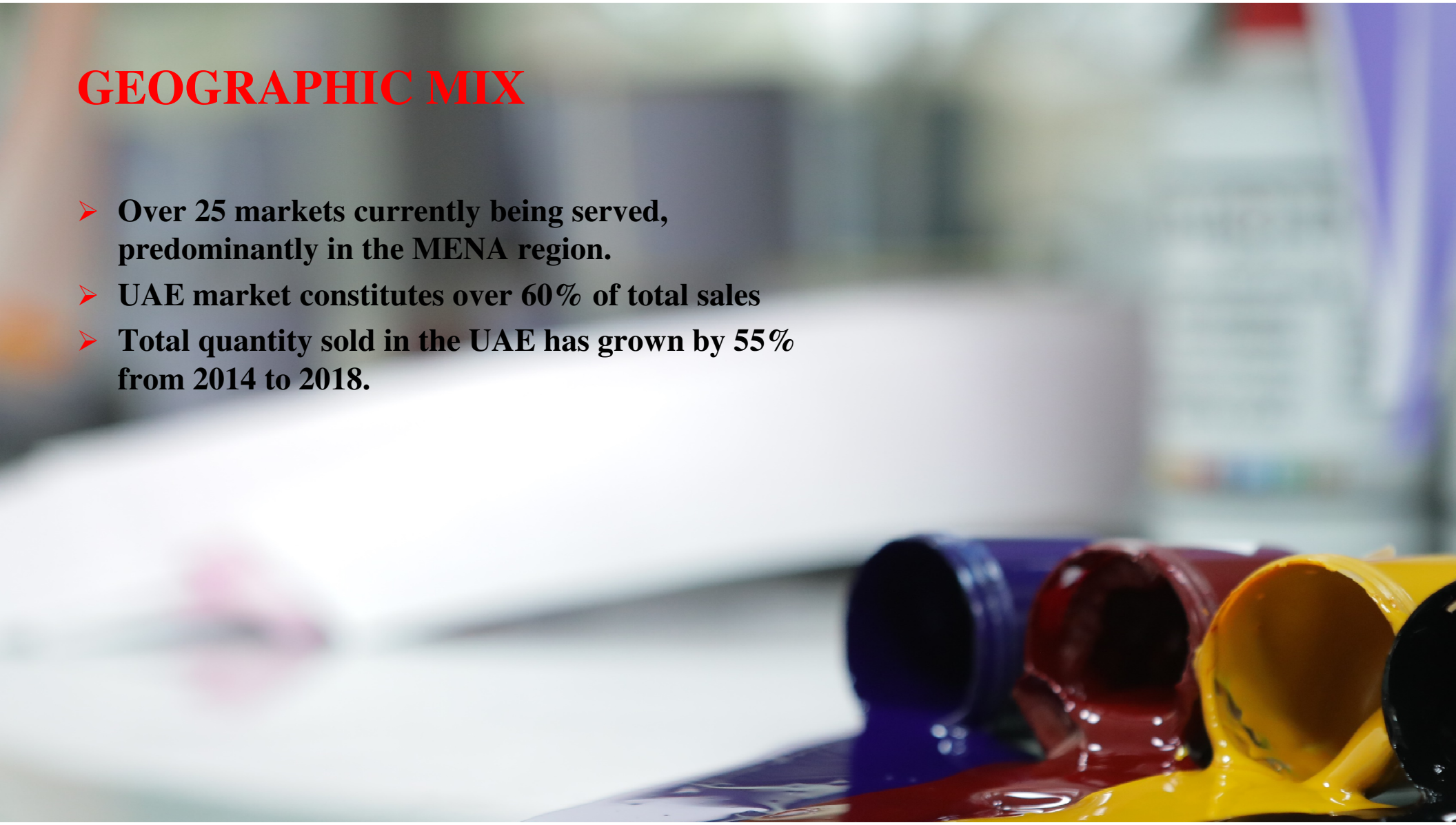


PRODUCT RANGE

- Solvent Flexo & Gravure Inks
- Water Flexo Inks
- U.V Inks & Coatings
- Sheetfed Offset Inks
- Various Varnishes
- 3 Piece Metal Decoration Inks
- Metal Coatings
- Thinners and Pressroom chemicals

GEOGRAPHIC MIX

- **Over 25 markets currently being served, predominantly in the MENA region.**
- **UAE market constitutes over 60% of total sales**
- **Total quantity sold in the UAE has grown by 55% from 2014 to 2018.**



MAJOR MARKETS SERVED

- GCC Countries
  - U.A.E
  - Saudi Arabia
  - Qatar (Suspended)
  - Bahrain
  - Kuwait
  - Oman
  - Ethiopia
  - Kenya
  - Nigeria
  - Ghana
  - Sri Lanka
  - West Africa
  - Angola
- AGCC Countries
  - Syria (Suspended)
  - Egypt
  - Iran (Suspended)
  - Libya (Suspended)
  - Sudan (Suspended)
  - Lebanon

OTHERS

- North Africa
- India
- Pakistan
- Sri Lanka
- Algeria

1. HIFLEX

Type	**- Lamination Ink by Gravure /Flexo**
Substrate	**- Treated Co-Ex Polypropylene Film**
Typical Properties	**- Excellent Printability, Adhesion, Flexibility, High bond strength including heat seal area.**
Special Properties	**- Hiflex Inks are designed for printing on the above substrates for lamination to either co-ex polypropylene films, metallised co-ex polypropylene films & poly ethylene films using a wide range of lamination adhesives**

2. HIFLEX SURFACE

Type	**- Mixed Resin System for Flexo Printing**
Substrate	**- Treated LD and HD polyethylene films.**
	- Treated clear/opacified co-extruded polypropylene films
	- Aluminum foils and metalized films in conjunction with suitable primer
Typical Properties	**- Excellent Printability, Adhesion, Flexibility, High Gloss, High Heat Resistance with excellent jaw release , Low solvent retention, high mileage**
Special Properties	**- Hiflex Surface Inks are designed for surface printing on the base substrates suitably treated.**

3. FLEXSTAR

Type - Surface printing ink by Gravure/Flexo

Substrate - Treated/opacified Co-Ex Polypropylene Film, treated LDPE

Typical Properties - Excellent Printability, Adhesion, Flexibility

High gloss or matt finish

Good Scuff Resistance

High heat resistance

Special Properties - Flexstar is designed to be used on the above substrates without the use of base white & over white

4. Imperial PU

Type process - Lamination ink by Gravure

Substrate - Treated PET film

Typical Properties - Toluene & Ketone free

Excellent printability & flexibility

Good adhesion on above substrate

Excellent lamination strength

Low solvent retention

Special Properties - Imperial PU inks are designed for printing on treated PET films for lamination to either co-e x polypropylene, metallised co-ex polypropylene, PE or triple ply foil poly laminate using a wide range of laminating adhesives.

5. AQUASTAR PE/PP

Type -Water reducible pigmented Flexo Ink

Substrate - Treated PE and PP Films

Typical Properties - Excellent printability & flexibility

- Excellent adhesion on above substrate

-High colour strength and good gloss and good setting

-Good Cobb Properties on the right substrates

Special Properties -Aquastar PE/PP is designed for printing on corona treated PE and PP substrates by

flexo .Ink has very high strength and can be matched with special colors based on demand

6. POLYSTAR

Type for	**- Modified polyamide system Surface printing by flexo**
Substrate	**- Treated LD&HD PP/HMPP Films**
Typical Properties	**- Excellent printability & flexibility**
	- Excellent adhesion on above substrates
	-High colour strength and high gloss
Special Properties	**-Suitable for printing on shopping bags by flexo machines. Available in process set, and standard PMS colours as well as special colours**

8. LAM-E-FLEX

Type	**- Modified resin system for flexo and gravure**
Substrate	**- Treated co-extruded polypropylene films, PE,PP, Primed metallized films and foils**
Typical Properties	**- Excellent printability & flexibility**
	- High heat resistance up to 200c with excellent jaw release
	- Excellent adhesion upon adding catalyst
	- Good mileage
	- Low solvent retention
Special Properties	**- PHTHALATE FREE INKS. LAM-E-FLEX inks are designed for printing on BOPP substrates for lamination to either co-extruded polypropylene films, metallized co-extruded polypropylene films or polyethylene films using a wide range of laminating adhesives. It can also be used for surface printing on the above mentioned substrates.**

7. POLYSTAR WP

Type	**- Modified polyamide system for Surface printing by flexo**
Substrate	**- Treated LD&HD polyethylene films, Woven polypropylene films**
Typical Properties	**- Excellent printability & flexibility**
	- Excellent adhesion on above substrates
	-High colour strength and high gloss
	-Excellent scruff resistance
	- Good water and deep freeze resistance
Special Properties	**- Excellent tape adhesion. Available in light fast colours**

Value Addition

- Our R&D team works closely with clients to help with any technical assistance required on the press side
- Capability of developing new ink systems to suit certain needs of clients
- Ability to match any colour in the Pantone book and any other special colors.