

evolve

Printex Monthly News Bulletin
April 2019 | Issue 75

Lost wealth may be replaced by industry, lost knowledge by study, lost health by temperance or medicine, but lost time is gone forever.

~ Samuel Smiles

The world is a dangerous place, not because of those who do evil, but because of those who look on and do nothing.

~ Albert Einstein

You must stick to your conviction, but be ready to abandon your assumptions.

~ Denis Waitley

You have to put in many, many, many tiny efforts that nobody sees or appreciates before you achieve anything worthwhile.

~ Brian Tracy

Many of the things you can count, don't count.
Many of the things you can't count, really count.

~ Albert Einstein

If we are incapable of finding peace in ourselves, it is pointless to search elsewhere.

~ Francois de la Rochefoucauld

If a man fools me once, shame on him. If he fools me twice, shame on me.

~ Chinese Proverb

The only true wisdom is knowing that you know nothing.

~ Socrates

Speciality Screen

ink

SUPERBOND MI

Screen Printing Ink for metal substrates.

FEATURES

- Solvent based
- Outdoor durability
- Single pack ink
- Satin / Matt finish
- Excellent screen stability and self solvency
- Suitable for manual and machine printing by screen
- Unlimited colour matching capability

Substrate :

Metal, Foam board, HIPS, ABS, PP, PE,
Paper, wood laminates, glass painted aluminium
composite panel.

**TEST INKS ON SUBSTRATES
BEFORE PRODUCTION RUN.**

SERICOL
More than ink...Solutions.
FUJIFILM

Applications:

Superbond MI inks are widely used for the screen printing on the various substrates such as Pre- treated polypropylene, HIPS, ABS, anodized & non anodised Aluminium, mild steel & brass.

Outdoor Use:

Superbond MI inks have been successfully tested for weathering in a QUV Weatherometer, as per ASTM G53 test specification, using UVB-313 lamps.

Colour Range:

The Superbond MI inks are available in standard intermixable colours.

Colour Matches:

Colour matches can be supplied against prints or wet ink.

Colour Availability

The Superbond MI Superbond colour range comprises of Standard halftone colors, opaque white and other Superbond colours-matches, including metallic shades, can be supplied against print or wet ink sample.

Note: Please note that for all metallic shades MI overprint varnish is 100% required to get good resistance properties.

A) Line Colours:

MI-001	Black
MI-021	White
MI-064	Light Yellow (G/S)
MI-066	Mid Chrome (R/S)
MI-114	Deep Orange
MI-127	Deep Violet
MI-164	Red (B/S)
MI-165	Magenta
MI-230	Blue
MI-325	Green
MI-381	Extender base
MI-400	Metal primer by screen
MI-401	Metal primer by spray
MI-433	Metal primer WB

C) Superbond MI Reducers:

SS 521	Reducer
SS 639	Universal Screen Wash

Thinning :

Maximum of 15% by weight of ink used. Various options for thinning are available. Please refer to the section on Superbond MI Reducers.

Mesh :

Print Superbond MI inks through 90/cm to 120/cm, monofilament polyester fabric, depending on the application.

Stencils :

Stencils can best prepared with Sericol's stencil making products :

Xtend Prep 101 for abrasion of screen mesh

Xtend Prep 102 for degreasing of screen mesh

Emulsions: Dirasol 132(single pack) or Dirasol 915(two pack)

Wash Up:

Wash up screens with SS 639 universal screen wash. This will ensure long life of stencils made with Dirasol emulsions.

Drying:

Air Dry: 15 to 30 minutes. Do not stack prints immediately. Allow sufficient time for through cure.

for metal Dry: 80 degree centigrade, for up to 30 minutes.

Note: Prints must be cooled to an ambient temperature before stacking.

Direction For Use :

MI-400 can be print by screen. The thickness of the coating depends on Mesh size 77-90 monofilament polyester fabric, depending on the application and the squeeze. Temperature is less than used 25°C and relative humidity in excess of 75% are unsuitable for the application.

Spraying: MI-401 and MI-433

MI-401 needs to dilute with the appropriate thinner (SS-521) before spraying. The optimum viscosity to give coating quality and thickness depends on the spray equipment and conditions. Normalily a dilution ratio of 1:1 to 1:2 are required. Suitable spray viscosity is typically 50-80 mPa.s

Pre-production Test:

Always test for adhesion and other properties before each production run because there can often be significant differences between substrates from different manufacturers and even between different batches.

Important: End user must determine suitability of this product for the intended use prior to production.

Safety and Handling:

Superbond MI inks are formulated free from lead and other heavy metals.

Comprehensive information on the safety and handling of Superbond MI screen inks and Reducers / Solvents is given in the Material Safety Data Sheet, which is available on request.

Storage :

- Keep inks in cool place, away from direct sunlight.
- Keep lids tightly closed when not in use.
- Any unused ink should not be returned to can, must be stored separately.
- Shelf life is two years from the date of manufacturing.
- Stir well before every use.

Fujifilm Sericol India Pvt Ltd

- Has certification to the international Environmental Standard, ISO 14001.
- Is committed to minimizing the risk to users of our products, and also to minimizing the impact of our activities on the environment, from formulation through to production and supply.
- Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- Is committed to reduce waste through better use of raw materials, energy, water, re-use and recycling.

Environmental Information:

Superbond MI Ink System does not contain ozone-depleting chemicals as described in the Montreal Convention.

Important Note:

The information and recommendations contained in this product information sheet as well as technical advice otherwise given by representative of our company, whether verbally or in writing, are based on our present knowledge and experience. Such information/ technical advice is given in good faith, but without warranty, in view of the many factors that may affect processes or applications as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary.

For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that the products will meet fully the particular requirements of the labels/ brands/ agencies of their clients and also that no proprietary rights and existing laws and legislation are violated.

Our advice does not relieve processors from the responsibility of carrying out their own tests and experiments, nor does it imply any legally binding assurance in respect of properties or suitability for a specific purpose or of the legal status of the listed products.

Our policy of continuous product improvement might make some of the information contained in this product information sheet out of date and users are requested to ensure that they follow current recommendations.

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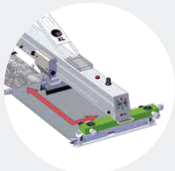


roq

CREATING SOLUTIONS

roqprint
next

ONE STEP AHEAD



PRINTING AREA
850x1000MM
(double sides)



HEAD'S INDIVIDUAL LIFTING SYSTEM

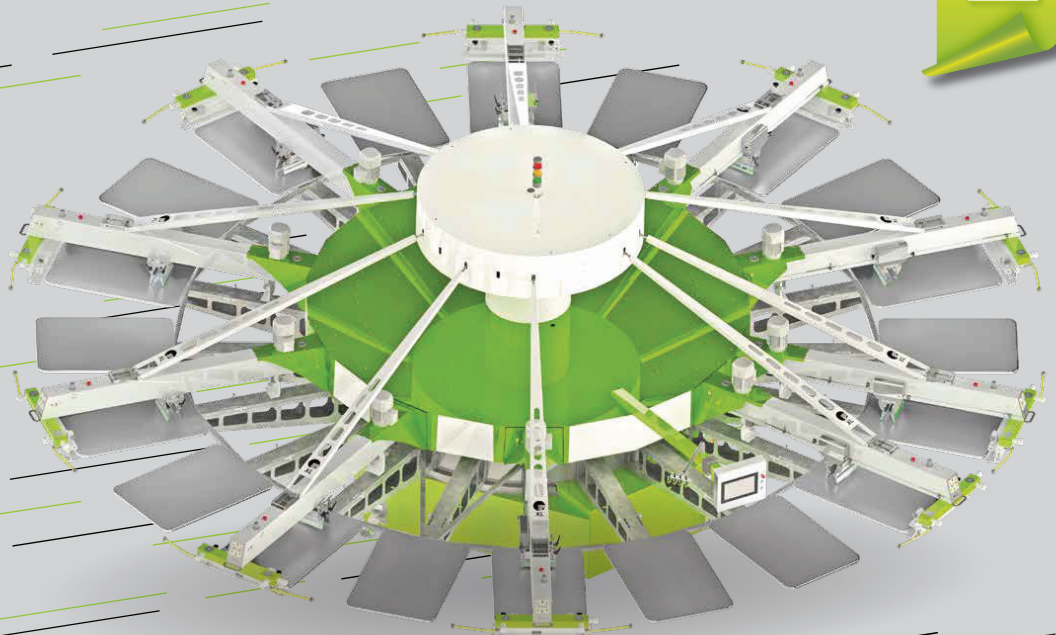


SERVO AC DRIVEN ROTATION SYSTEM



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roqprint next

prints **XL models**

max. production up to **1200* pieces/h**

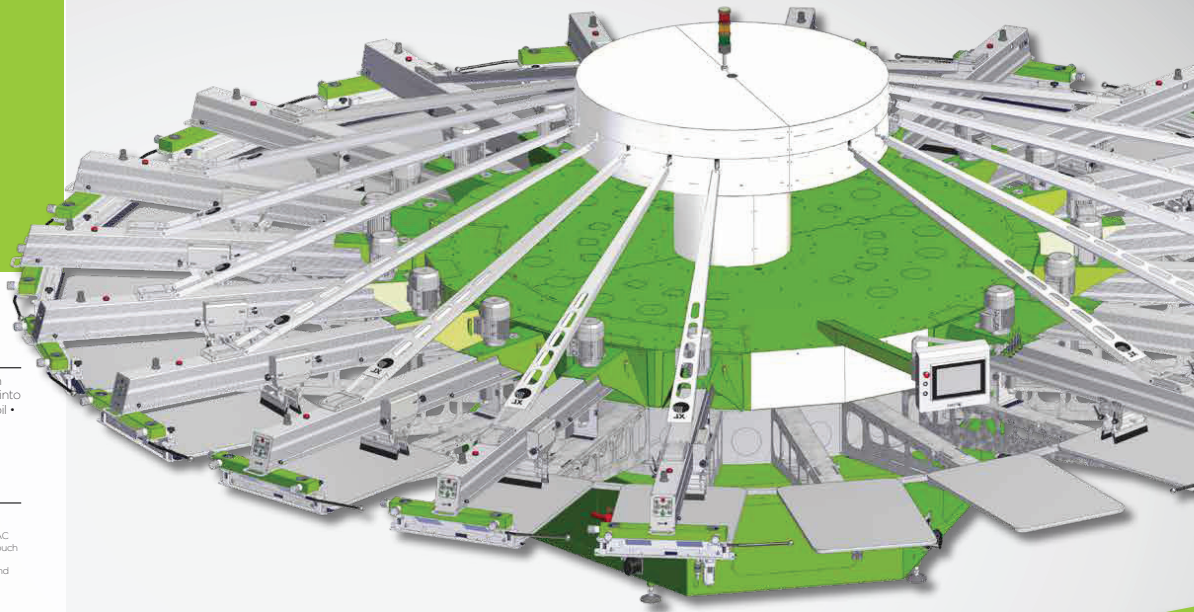
max. printing size **500x700mm**

head's individual lifting system

servo AC driven rotation system

* for an A4 print

The newest screen printing machine, ROQprint NEXT, was built with unique features which only exist in high-range ROQprint machines. Its characteristics are responsible for a **20% increased productivity**



OPTIONS

number of colors • number of laser markers • number of flash cure units • power and control connections for flash are built into the machine base • compatible with roadlock and roqpress foil • skip function • double index

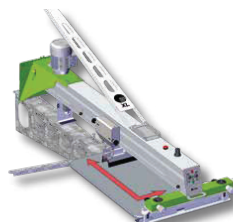
GENERAL FEATURES

Aluminum honeycomb pallets • Squeegees with electric movement with AC inverter • Independent control panel on all print heads • Choice of pneumatic screen holder: "U" clamp or pin system • Print heads independent elevation • AC servo-motor rotation system • Central control panel with polychromatic LCD touch screen (10") • Micro registration screen system with vernier scale • Individual controls for managing print and flood speed, height, angle of the squeegees and stroke length • Placement of the Flash Cure units under the print head

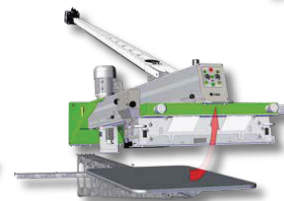
ROQPRINT NEXT	P08 XL	P10 XL	P12 XL	P14 XL	P16 XL	P18 XL	P20 XL
number of colors (max.)	6	8	10	12	14	16	18
number of pallets	8	10	12	14	16	18	20
nr of flash cure connection units (optional)	3	4	5	6	7	8	9
maximum print size (mm/inch)	500 x 700 / 20" x 28"			500 x 700 / 20" x 28" 850 x 1000 / 33" x 39" **			
maximum screen size (mm/inch)	660 x 1050 / 26" x 41.3"			660 x 1050 / 26" x 41.3" 1010 x 1300 / 39" x 51" **			
maximum pallet size (mm/inch)	550 x 950 / 21" x 37"			550 x 950 / 21" x 37" 900 x 1240 / 35" x 48" **			
maximum frame profile / thickness (mm/inch)				50 x 50 / 2" x 2"			
index precision (mm/inch)	±0.025 / 0.001"						
maximum production (pieces/h) **	1200						
compr. air consumption (l/min, 7 bar) ***	40 l/min - 0.7 cfm + number of each printhead						
maximum consumption (kVA) ****	2	3	4	5	7	8	9
machine diameter (mm/feet)	4100 / 13.5'	4550 / 15'	5150 / 17.1'	5400 / 17.7'	5850 / 19.2'	6300 / 20.6'	6900 / 22.6'
total height (mm/feet)	2370 / 7.7'	2370 / 7.7'	2370 / 7.7'	2440 / 8'	2510 / 8.2'	2540 / 8.3'	2540 / 8.3'
minimum width of the base (mm/feet)	2100 / 6.9'	2100 / 6.9'	2100 / 6.9'	2165 / 7.1'	2235 / 7.3'	2265 / 7.4'	2265 / 7.4'

** double index in XL models. *** one squeegee with flooding for a A4 print. **** consumption of each electric printhead 90l/min | 3.15cfm in 20 pieces/min.
**** these values include the consumption with flash-curing, they should be calculated separately, taking into account the number and model of the flash cure on the machine.
- power supply: 220V, 3x220V, 3x400V - 50Hz or 60Hz

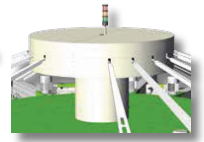
HIGHLIGHTS



Max. printing area up to 850x1000mm
(double index)



Head's individual lifting system



servo AC driven rotation system

20% MORE PRODUCTIVE
COMPARING WITH ROQPRINT YOU

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PRINTEX
Towards Innovation

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Ramadan

— Kareem —



News
from
Printex

Wish you many many Happy returns of the Holy Month “*Ramdan*”. We pray that ALLAH Almighty give us courage to get maximum benefit from this month.