



PRECISION
MACHINES & AUTOMATION

Providing Tomorrow's Technology.....Today



Visit us at
DRUPA 2020
16-26 JUNE
Dusseldorf, Germany

LED UV SYSTEM | INTERDECK | SCREEN PRINTING MACHINES | UV CONVEYOR | ANILOX COATER

UV DRYING
SYSTEMS
& COATING
SYSTEMS



Company Profile

Precision Machines and Automation is a multi national company which has multiple profile businesses majorly in the field of Printing and Packaging. Under the prestigious brand name called "ESINTI". Company is able to do following profile of businesses:-

Manufacturing :- We have our manufacturing units in north INDIA(Unit No 1) which is already producing converting machines like :- Die Punching And Creasing Machines, Auto Carton Folding And Gluing Machines , Lamination Machines , UV Curing Systems , Paper Cutting Machines ,Stripping Machines , Coater, Rotogravures Etc.

Technology Business: We are into technology business. We have the exclusive technology for UV LED for Printing Technologies Like: - Flexo, Offset, Screen printing, Rotogravure , Web offset etc.

Global Imports and Exports : We have ware house, office and world class banking channels with logistics control in Hong Kong

Investing: We as a company invest in upcoming printing packaging technologies throughout the world , By investing we provide platform to young entrepreneurs who are entering this elite "Printing And Packaging Market" of worth around USD 400 Billion .

Consultancy: We are global consultants of many reputed printing packaging houses. We develop printing packaging project from scratch to running on turn-key basis

Our Valuable Partners

- ▶ BP Lipeds
- ▶ SKG Graphics
- ▶ Mahindru Print & Graphics
- ▶ JS Industries
- ▶ United label Products
- ▶ Jasco Paper Products
- ▶ Sushobhit Printers
- ▶ Print Plast
- ▶ Macleods Pharmaceuticals
- ▶ Kevin Kreations
- ▶ Sawhney Paper products
- ▶ Shree Sales Pack Private Limited
- ▶ Nugenic Pharma Private Limited
- ▶ Sarthi Industries
- ▶ Gupil Print & Pack
- ▶ Parbhat Packaging
- ▶ Creative Industries
- ▶ Durga Printing & Packaging
- ▶ Pentagon Packaging
- ▶ Aman Print and Pack
- ▶ United Media Computers
- ▶ Universal Print o Pack
- ▶ Krishna Printers
- ▶ Art Zone

Valuable OEM Partners

- ▶ TR Industries
- ▶ Taniya Machinery (P) Ltd.
- ▶ Ruian Sanlin Trade Co. Ltd.
- ▶ Dizario Machinery
- ▶ MV light source
- ▶ Bongo Import & Export Ltd.
- ▶ Dongguan Heyu Automation Co. Ltd.
- ▶ Wenzhou Zihong Printing & Packaging Machinery Co. Ltd.
- ▶ Dongguang Xinyu Carton Machinery Co. Ltd.



UV Dryer suitable for Dominant Hi-Pile & Low Pile Adjustable



UV Conveyor for Screen Printing



Auto Stacker

**INTERDECK, ANILOX COATER
DRYER with UV DRIPOFF SYSTEM
AUTO STACKER**



**UV DRYER with
MANUAL COLLECTION**



	PMAUV 326	PMAUV 330	PMAUV 336	PMAUV 340
Size	26"	30"	36"	40"
Speed	9000 SPH	9000 SPH	8000 SPH	8000 SPH
Application	UV Printing, UV Coating, Drip Off UV etc.			
Options	UV, IR, Hot Air, Auto Hood Lifting			
General	Customized design according to customer requirement			
Standard Length	6', 9, 12', 15' etc.			
Lamp Power	300W / Inch, 400W / Inch			

INTERDECK SYSTEMS

Electronic Power Systems

Model	PMA 20-S
Power Rating	2000 W
Model	PMA 26-S
Power Rating	2600 W
Model	PMA 60-S
Power Rating	6000 W
Model	PMA 75-S
Power Rating	7500 W

Model	PMA 90-S
Power Rating	9000 W
Model	PMA 120-S
Power Rating	12000 W
Model	PMA 160-S
Power Rating	16000 W



Control Panel for Interdeck Systems

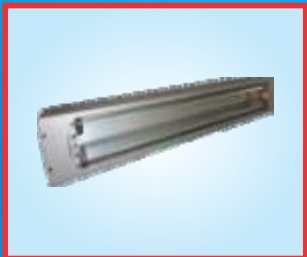
Panel	Rital
Switch Gear	Schneider
Cable	RR / Wab
PLC HMI	Delta / Siemens
Design	Compact



Water Cool EOP



Intermediate with
Water Cool Interdeck



Air Cooled



Chiller



Blower

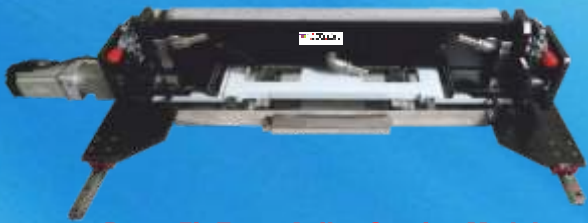
LED UV SYSTEM



	FLAT LED	Row (Lens) based Technology
Description	This technology is an array-based technology in which multiple lenses are used in the form of matrix.	This technology makes use of single lens (row based).
UV Energy	Diffused type: Rays are going on in any direction, thereby leading to wastage of UV energy.	Concentrated: Beam is concentrated and focused. No wastage of UV energy is there.
Power Consumption	1440 watt/60 mm(10watt led) 720 watt/60 mm (5 watt led)	240 watt/60 mm(double row) 120 watt/60 mm (single row)
Range for substrate	Range is very less. Can cure the substrate from a distance of Maximum 20mm	Range is more appropriate. Can easily cure the substrate from a distance of 100mm also.
Expansion	Not possible In case of addition of change in machine, existing LED can't be expanded. A new LED to be installed with separate power supply which is both costly and space consuming.	Possible. Both ways(length wise and width wise expansion is possible). LED can be easily expanded in any direction with the same electrical panel. This saves cost & space both
INKS	Effective curing can be done only with UV LED inks.	Effective curing can be done with Normal UV inks also.
Power Saving Mode	Possible	Possible
Partial ON/OFF of any row/lens	Possible	Possible
Potentiometer to increase/decrease intensity	Possible	Possible



ANILOX COATER MODULE TRESU



Retro-Fit Tresu Anilox Coating Module



Heidelberg SORMZ Based High Speed Anilox Coater

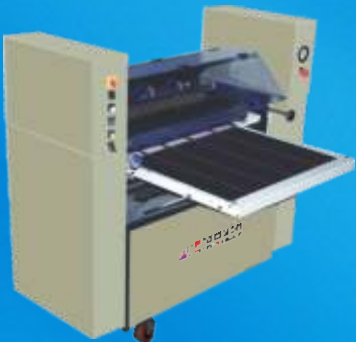
Model	PMACA -26	PMACA -29	PMACA -36	PMACA -40
Sheet Width	26"	29"	36"	40"
Speed	8000	8000	7000	7000
Application	UV, Aqueous			
Options	With Diaphragm Pump			
General	Auto Synchronize with Machine Speed, Servo Motor Drive, PLC Encoder based Automatic Impression System			

ROLLER COATER CONVEYOR for UV & BLISTER COATING

Model	DZRC 20 UV	DZRC 30 UV
Max Sheet Width	20"	30"
Paper Thickness	Above 200 gms	
Speed	Up to 4000 SPH	
Application	Full UV Aqueous Varnish	
Options	IR Hot Air UV	
Standard	7' & 10'	
Coating Pump	Motorised Pump	



Roller Coater & UV Curing Machine



Blister Coating

SCREEN PRINTING MACHINES



Clam Shell

Semi Automatic Screen Printing Machine
PMA- 1824 CS Printing Area = 18" X 24"
PMA- 2030 CS Printing Area = 20" X 30"
PMA- 3040 CS Printing Area = 30" X 40"



Double Motor Semi Automatic

PMA- 1824 CS Printing Area = 18" X 24"
PMA- 2030 CS Printing Area = 20" X 30"
PMA- 3040 CS Printing Area = 30" X 40"

ACCESSORIES:



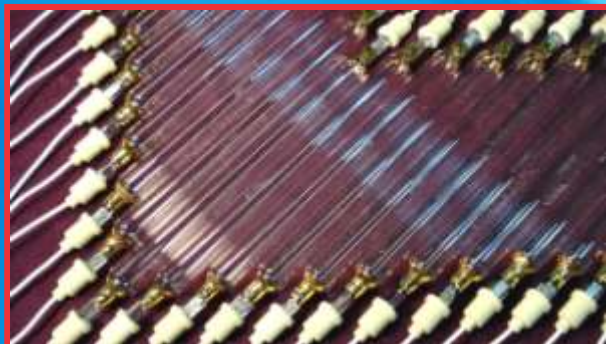
Drying Rack



Aluminium Tabular Frame



Teflon Belt



UV Lamps

Type of UV Lamps

- Mercury UV Lamps
- Gallium UV Lamps
- Iron Dopping UV Lamps

Application

- Printing Industry
- Rubber Industry
- Automobile Industry
- Fungs or sterilization treatment

Type IR Lamps

- Twin Type IR Lamp with Short wavelength
- IR Lamp with Medium wavelength

UV ENERGY METER

- ▶ Detect the UV energy density, irradiance and temperature of UV curing machine, which using UV led light source.
- ▶ Measure the UV irradiance and temperature of machines which using UV LED light source such as UV drying machine , Exposure machine and Printing machine etc.
- ▶ Built in heat resisting sheet, can resist high temperature and operate at 100°C for long time



LED UV SYSTEM | INTERDECK | SCREEN PRINTING MACHINES | UV CONVEYOR | ANILOX COATER



Mfg. Plant : Plot No. 7, Balaji Complex, Saidpura, Derabassi, Punjab-140507 (INDIA)
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Singapore : 10 Anson Road # 16-12, International Plaza, Singapore-079903
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E-mail : precisionmachines@gmail.com, info@precisionmachines.net
Website : www.precisionmachines.net, www.printingpackagingmachines.com



Watch us on@ <https://www.youtube.com/channel/UCt0pcTpjZGFwLxntEGtumZA>