

Span GR Code





WE ARE AN AUTHORISED PAN INDIA DISTRIBUTERS OF

BALDWIN AMS UV SYSTEM

LED UV SYSTEMS I INTERDECK SYSTEMS I SCREEN PRINTING MACHINES I UV CONVEYOR I ANILOX COATER

www.sasguv.com



"Customer Ecstasy!!!"

Keeping the above motto in mind, a group of highly Skilled & Experienced professionals, in UV Coating & Curing applications, started SASG Group, four years back in 2014. The skill base consists of top class designing, manufacturing, servicing, applications and sales marketing capabilities. Since then, SASG has installed more than 2500 machines achieving, besides normal Gloss & IVlatt effects, appreciative Drip Off effects and various types of spot coating effects like Bubble, Sand, Glitter etc. With the support of the Industry, which was thriving for quality machines with warranted servicing and applications support, SASG has won the laurels from 100% of its customers. On top of mind of each member of SASG Team, is "Customer's Ecstasy!!!"

To achieve that SASG has adopted-

- Standardization
- Quality raw materials
- Effective chiller from Global
- Quality inspection at each step
- Support for various applications
- Most reliable electric & electronic components.
- Best available control panel from Flital
- Touch Screen of Siemens
- Final in house trials before dispatch of machines
- Availability of Spare Parts

SASG has installed more than 900 machines in all over India and Overseas.

VISION

To be the industry benchmark in manufacturing of innovative UV Technology and related services by providing "Total solutions' to our customers, ensuring sustainable growth for our principals and creating highly rewarding work environment for our employees.

MISSION

The basic principal of SASG is to place priority on quality in order to achieve ultimate customer satisfaction. SASG is known for long term business relationship, transparency, consistent quality, competitiveness and social obligation towards the environment.



STRATEGY

SASG's Key Strategy, "To be first in the Mind, Then to be first in Marketplace" and to achieve this goal SASG have continuously innovated and transformed itself from old mortar & pestle model to contemporary model to fit into modern competitive business world.

"We value our CUSTOMERS"

Er. Sankoch Gour Technical Director

OUR KEY PRODUCTS



LED UV

CURING SYSTEM









Mercury CUTE
INTERDECK
UV SYSTEMS



SCREEN PRINTING MACHINES

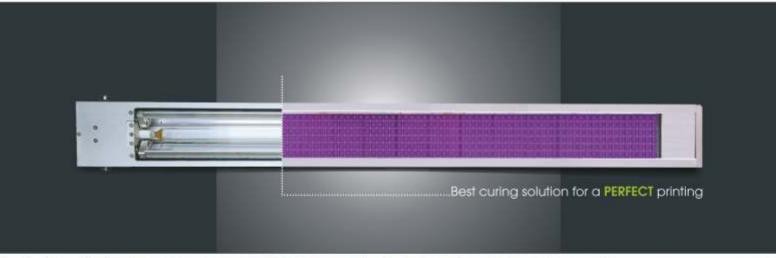


UV COATING & CURING SYSTEMS

AND MANY MORE...

LED UV CURING SYSTEM

















LED technology has become a real alternative solution in the sphere of light curing. To date, the efficiency of both the individual LEDs and the system as a whole have been increased, resulting in further improved drying quality. Simple integration, dispensing with ozone and mercury and the lack of thermal radiation favour a broad range of applications for this technology in industrial curing.

Whether in the curing of printing inks, adhesives or varnishes on various substrates – LED UV curing is seeing high growth rates in coating industries. However, distribution of the two technologies differs widely in the various segments. Overall, LED systems are most frequently used in inkjet and adhesives applications.

What is LED UV CURING

LED UV systems are used for materials that contain photo initiators, for example in applications for curing adhesives in bonding or sealing processes or for drying materials such as inks, lacquers, paints, and clear coats. Especially UV light, leads to photo polymerization or radiation curing.



Greatly Reduced Power Consumption

- LED-UV uses 1/8th of the power a conventional UV Lamp system as needs
- Light source can be instantly switched on/off to suit the operation status
- Reducing power consumption during job turnover Curing length available 100mm to 1600mm
- Power intensity 8w/cm2-30 w/cm²
- Printing speed 225 meter/minute
- Wavelength 365nm, 385nm, 395nm \$ 405nm
- Easy to maintain & user-friendly
- Step power control 5% to 100% for LED Individually replaceable chip \u00e0

Area of APPLICATION

- Printing Industry
- Rubber Industry
- Automobile Industry
- Wood & Floor Paint Industry
- Fungi & Sterilization Treatment



PRODUCT FEATURES

- Easy To Install & Compact Design
- Only 1 LED Cassette required for 4 colour Compatible with all Presses
 Life of Diode 25000 working hrs
- Wave length is 365 395 nm
- About 80% Power Saving
- Single Touch Operating System
- No Heat Generated such as Conventional UV

Consistent Print Quality

- No set-off, so printed sheets can be stacked immediately after printing
- No color change due to dry-down



SHEET-FED OFFSET & FLEXO PRINTING



No Infrared Light

- LED-UV perfecter produce no infrared light, so the unit generates much less heat
- LED-UV emit very little infrared heat 60°C unlike conventional UV \$ H-UV
- Printed sheets do not shrink due to heat
- The LED-UV system is compatible with resin film and other media



Long Life

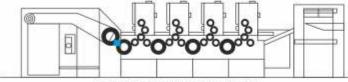
- Conventional UV Lamp Systems = 1,000 lifetime hours
- UV Lamp systems must be remain illuminate during job changeover, the LED-UV system can be switched off
- Low maintenance required
- One LED-UV is ample for four color printing

Shorter Lead Times

- There is no need to wait for Printed sheets to dry, work can immediately
- No space is needed to store printed sheets while they dry
- Synchronize with master press

No Ozone Smell

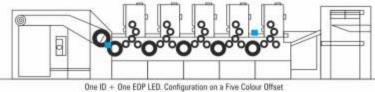
- No need to install decolonizing equipment or exhaust ducts
- LED-UV systems can be used in congested area



One LED EOP. Configuration on a Four Colour Offset

Environment Friendly

- Powerless printing ensure a cleaner work environment
- LED-UV ink is recyclable and easily removable Lower energy consumption leading to reduced Co2 emissions O3 (ozone)
- Substrate moisture retention
- Birmingham Printing Commitment to **Environment Friendly Print**

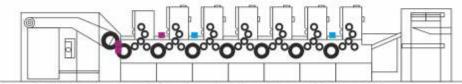


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Two ID + LED. Configuration on a Six Colour Offset + 2 EDP Morcury UV System

Compatible With Special Media

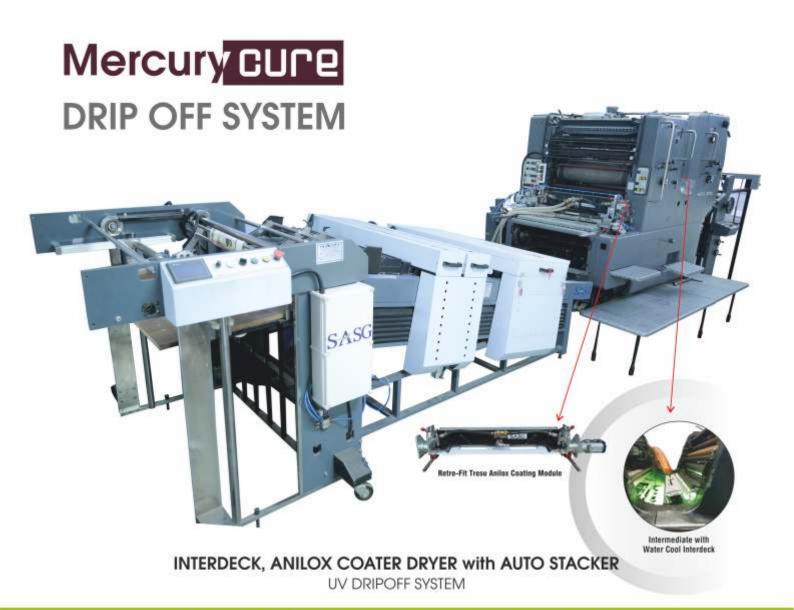
- Printing is possible on resin film, PVC, PET, PC, PP etc.
- Synthetics Sheets
- Metalized sheet Printing
- Gumming Sheet Printing
- Vinyl Sheet Printing
- Other types of special media



Two ID + LED. Configuration on a Six Colour Offset + One ID Mercury UV System + 2 EDP Mercury UV System

Why LED?

G	eneral Features	LED UV (Light emitting diode)	Mercury UV	Advantage of LED
Ва	sics of Systems	Silicone Emitting Diode LED	Fragile cylindrical quartz bulb	High resistance to vibration and shock
Po	wer Consumption	Low normally quantified hundreds of Watts/hr.	HIGH normally quantifies thousand of Watts/hr.	Power consumption is 80% less; thus investment cost is recovers by the user in a short time
Dia	zario LED Life Time	More than 25000, working hrs It depends on the condition of working environment	Varying from 500 to 2,000 working	No UV emitter to replace
Te	mperature during operation	60°C max. measured in lamp emitting window	Grater than 1350°C on lamp window The bulb can reach 900°C after a few minutes of operating	LED is instant ON/OFF there for save ample energy over mercury UV System
Ту	pe of Source	Monochromatic source for UV-A rays only	Rays emitted UV-A+UV-B+UV-C	Improved safety for the operator. It does not emit dangerous UV-C radiation
En	vironmental/Health issues	No mercury and other dangerous substance Environment	Contains mercury and metal halide potentially dangerous for the health	It is not necessary to dispose emitter as special waste
Ma	aintenance Required	Glass window cleaning only	Cleaning, periodic replacement of UV Bulb, replacing reflectors, cleaning filters etc.	Almost zero maintenance cost
Qu	ality of Printing	Printing quality more constant	Electromagnetic system containing transformers, chokes, capacitors and igniter	LED lamps is more compact and reliable over time speed



CONFIGURATION FOR SHEET FED PRESSES















AIR COOL:-

In air cool system we use vacuum blower. The capacity of blower will depends on the size of the uv lamp. This type of Interdeck design accordance with the blower. Use blower pipe. One inlet and one outlet blower is used inlet of the blower is connected to the Interdeck.

Features

Auto shutter
Hibernation mode with press
High operational fluency
Excellent functionality
Smooth operation & Reliable
Dimensionally accurate
User friendly operation with "zero"
made ready time.
UV lamps have variable intensity
as per the job

Mercury CUPE INTERDECK UV SYSTEM

Our Interdeck UV System includes a wide range of uv coating attachment on offset press, uv curing attachment with offset presses, uv curing machine for offset printing machines, uv coater attachment with offset printing press, 3d uv curing machine and uv combo dryer with IR and Hot Air System.

One can attached UV interdeck with all types of offset printing machine, Rotogravure printing machine, lithrone offset printing presses.



INTERDECK UV SYSTEM



Powerful Interdeck UV system of highest quality for Printing industry

WATER COOL UV INTERDECK

In the water cool UV Interdeck use chiller system. In chiller system it consist of an cooling towers, condensor, pump. The temperature and pressure of chiller is variable.

Water Distributor

- Water distributor for independent cassettes
- Easy to detect low pressure and high temperature faults
- Thermal switching for over heat detectors
- Cleaner working environment
- Easy to maintain
- Compact in size



AIR COOL:-

In air cool system we use vacuum blower. The capacity of blower will depends on the size of the uv lamp. This type of Interdeck design accordance with the blower. Use blower pipe. One inlet and one outlet blower is used inlet of the blower is connected to the Interdeck.













Features

- Auto shutter
- Hibernation mode with press
- High operational fluency
- Excellent functionality
- Smooth operation & Reliable
- Dimensionally accurate
- User friendly operation with "zero" made ready time.
- UV lamps have variable intensity as per the job



Mercury GUPE











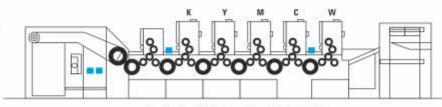
4 COLOUR

Two UV Interdeck at EOP for Four Colour

5 COLOUR

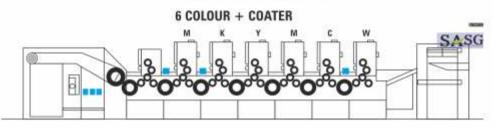
One ID + Two EOP UV Interdeck for Five Colour

5 COLOUR + COATER



Two ID + Two EOP for Five Colour + Coating Machine





Three ID + Three EOP for Six Colour One Coating Machine

INTERDECK Installations

	CUSTOMER NAME	CITY	MACHINE NAME	
Ī	ASOKA PRINTERS	KANPUR	40" WATER COOLED INTERDECK	
	B S S I PACAGING	HARIDWAR	40" WATER COOLED UV INTERDECK	
	BABA PRINTERS	DELHI	40" WATER COOLED UV INTERDECK	
	BK PRINT & PACK	HARIDWAR	40" WATER COOLED UV INTERDECK	
	INFINITY PACKAGING	HIMACHAL	WATER COOLED UV INTERDECK	
	JAUHARI PRINTERS PVT LTD	VARANASI	40" WATER COOLED UV INTERDECK	
	JAGDAMBA PRINTER	PATIALA	40" INCH WATER COOL INTERDECK	
	LAXMI PHARMA PACK	GUJARAT	WATER COOLED INTERDECK	
	OSCAR OFFSET AND PACKAGING	KARNAL	28 WATER COOLED INTERDECK	
	GEETA ENTERPRISES	DELHI	40" WATER COOLED UV INTERDECK	
	PB ENTERPRISES	LUDHIANA	WATER COOLED UV INTERDECK	
	PRADIPAM OFFSET	AHMEDABAD	28" WATER COOLED INTERDECK	
	PRINT BEST CREATIONS	DELHI	40" WATER COOLED UV INTERDECK	
	SHIV OFFSET PRINTERS	DELHI	40" WATER COOLED UV INTERDECK	
	SHREE VARNISHES & UV PRINTS	HYDERABAD	40" WATER COOLED UV INTERDECK	
	SP HI TECH PRINTERS	HYDERABAD	40" WATER COOLED UV INTERDECK	
	SUSHOBHIT PRINTERS	CHANDIGARH	28" WATER COOLED INTERDECK	
	VISHRUTA PACKAGING PVT LTD	HIMACHAL	40" WATER COOLED UV INTERDECK	
	HARSIMRAN PRINT O PACK	HIMACHAL	40" WATER COOLED UV INTERDECK	
	SMAT FORMS	DELHI	29" WATER COOLED UV INTERDECK	
	SIDDHOMAL PAPER CONVERSION CO. (P) LTD	DELHI	40" WATER COOLED UV INTERDECK	
	10		And many more	



SASG is expert in coating transfer technologies, we make it a point to offer solutions for excellent print performance through every stage of coating. One of the most important ways to ensure your outputs live up to expectations is with a quality of Anilox roller. The roller is a core element of the printing press, and has direct impact on print results.

We are the leader of Anilox rollers - so that all clients have access to the top quality Anilox Rollers in the industry. SASG has a wide selection of designs, roller formats, coatings, engraving technologies, and other options, all designed to deliver outstanding performance across numerous applications.

Anilox coater is used for Hybrid coating attachment on offset machine.

JOB APPLICATIONS

- Label Printing
- Flexible Packaging
- Offset Printing
- Coatings
- Silicone
- Adhesive Application
- Melamine-resin Coating

ANILOX

COATING ATTACHMENT

TRESU

with CHAMBER



FEATURES

- Auto Synchronised with machine speed
- Mechanical loading system.
- E-line clamping system for fast doctor blade change.
- High Quality doctoring for best coating
- Quick Roller change system with integrated design
- Driven by Servo Motor and Servo Drive
- PLC and Encoder based System
- Easy to install & low maintenance
- User friendly interface
- Smooth functioning & long service life
- Light in weight
- TRESU's Chamber for precise coating control Various Coating Rollers for better flexibility





TV COATING

CURING SYSTEM

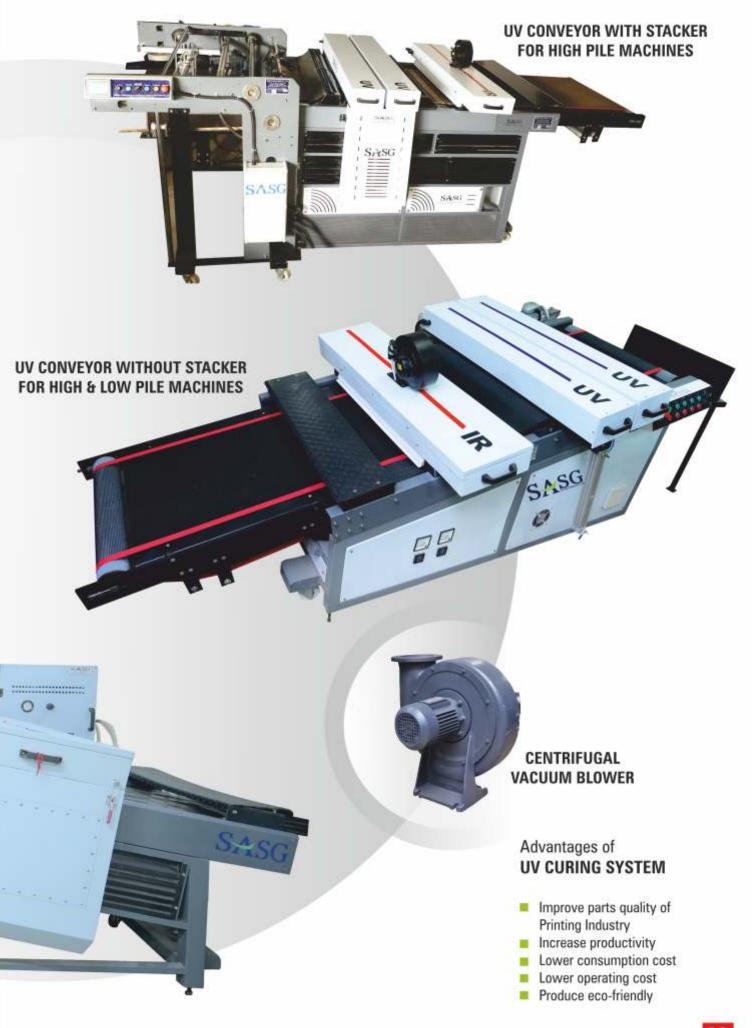
UV CURING SYSTEM

UV Curing System is a high speed UV curing machine. It is a chemical reaction when UV varnish or ink is applied to object and when it passes through UV light it gets cured instantly. It is basically a Polymerization of UV Lacquer on object through UV Light. UV Curing System is useful for hardening of coating by ultraviolet radiation.

Features of **UV CURING SYSTEM**

- Easy to operate
- Longer Lamp Life
- Automatic UV hood raise for fire safety
- EPS Power Pack (available on requirement)
- Lower Electricity Consumption
- Suction Hold Down for uniform Paper Travel
- High quality Transformers for minimized Energy loss
- High speed Stackers for Thin paper Stacking
- Adjustable Height for multiple use for offset presses
- Heavy duty cast Iron Blower for maximum heat extraction and noise-free operation





ROLLER COATER MACHINE

This machine is used for offline coating. Any type of coating like UV, AQUEOUS VARNISH, PRIMER COAT can also be done on this machine. This machine is suitable for full coating on any type of paper.

FEATURES

- Easy to operate & maintain.
- Easily job change, minimize the make ready time
- Available in 22", 32" & 42" width formats
- AC Drive with digital sheet counter meter
- Available in HMI control
- Motorised varnish pump ungradable & Up Scalable
- Easy & quick cleaning of varnish Tray
- High pressure Air knife attachment for thin paper



SASG



DRIP MASTER

SASG launched the single product/machinery which is designed by printing technologists and engineers it's demand by various industry for various coating application called Drip Master. This machine is the unique featureable machine or UV Spot Coating, Flood Coating, HSL coating, Soft Touch Varnish or hybrid and the water base, solvent base and UV base coating.

Features of DRIP MASTER:-

- Zero make ready time HMI interface
- Maintenance free
- Ease to operate
- Less change overtime

- Application:- primer coating, aqueous coating, spot coating an drip off
- Speed upto 10000sph
 Safety/ security on hibernation





BLOWER PANEL

CONTROL PANEL

DIAPHRAGM PUMP PANEL



Technical Specifications:

MODEL	DM-2536	DM 2840
MAX SHEET SIZE	2536	2840
SPEED	1000	OSPH .
DRYING	UV, IR ar	nd Hot Air
APPLICATION		ip off Coating, ing Primer coating
STACKING	Auto She	et Stacker



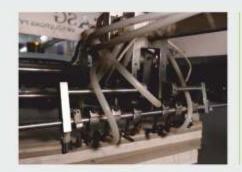
FEATURES

FARC

- Independent Lifting And Forwarding Suckers.
- Pointed Air Impluged On Substrate To Avoid Rolling
- Heavy Duty Stackers With Pneumatic Joggers
- High Quality Equipments And Excellent Technology
- Various Configuration And Customsed Size Available
- Advanced Roller System For Precise Coating Control

FULLY AUTOMATIC ROLLER COATING MACHINE





FEEDER HEAD



CONTROL WITH TOUCH SCREEN



SUPPORTIVE ROLLER FOR TROUBLE FREE THIN PAPER FEEDING









HI VACUUM CONVEYOR

COATING CIRCULATION PUMP

SCREEN PRINTING MACHINES



Model	1520	1824	2030	3040
Print Area	15x20	18x24	20x30	30x40
E. Power	1KW	1.5KW	2KW	3KW
Speed (iph)	1200	1200	1200	1200
Compressor	6 Bar	6 Bar	6 Bar	6 Bar

Clam Shell is one of the best Mechanical Flat Screen Printing Machine.

SASG clam screen printing machine is one of the best Mechanical flat screen printing machine. This machine is economical, High in speed, very reliable and attractive.

Clam shell screen printing machine refers to equipment which helps to print original designs or logos on various fabrics, glasses, ceramics, leather, plastics, and metals and so on.

This machine is most suitable for UV Spot coating.

Clam shell screen printing machine is known for their High speed and heavy duty usage.

FEATURES

- Fully adjustable squeeze & flood bar have synchronized with vertical movement
- Perfectly Flat & Rigid Vacuum base
- Heavy duty & durable construction ensures Vibration free operation
- Accurate printing registration at full production speed
- Adjustable peel Off system
- Castor wheel for easy mobility



Pneumatic semi automatic screen printing machines is very economical, high in speed, reliable and very attractive machine; it is used for making wonderful unique designs on t-shirts and other plain printing substrates. This machine is best for UV Spot Coating.

Screen Printing Machine refers to equipment which helps to print original designs or logos on various fabrics, glasses, ceramics, circuit boards, leather, plastics, and metals and so on. It is economical, high speed, reliable and very attractive.

These machines are known for their high speed and heavy duty usage. Along with, screen print machines work great with silks, polyesters, jersey fabrics, wool, and acrylics.



FEATURES:

- Fully adjustable squeeze & flood bar have synchronized with vertical movement
- Perfectly Flat & Rigid Vacuum base
- Heavy duty & durable construction ensures Vibration free operation
- Accurate printing registration at full production speed
- Adjustable peel Off system
- Castor wheel for easy mobility

Precision screen printing machine is semi automatic machine. It is easy to assemble, use and maintain. Its durable construction, excellent performance, and easy installation made it so popular. This machine works with higher efficiency and easy operation.

Special design of instantaneous synchronizing disconnect device to avoid shadow or paste of printed matter.

Four-level safety emergency brake device to ensure the safety of operators.

Microcomputer PLC control program, stable performance.

FEATURES

- It adopts high precision linear guide way
- Servo drive printing
- Unique linear guide wayy
- Double-link lift and do smooth printing



JOB APPLICATION OF PRECISION MACHINE

Single Layer Circuit Board | Fcb Carbon Oil | Electronic Cold Light Board | Pcb Fine Circuit | Character Flexible Circuit Board (pet) | Glass Various Ceramic Paper | Sticker | Plastic | Hardware

ACCESSORIES





STRETCHING CLAMP UV LAMPS ALUMINIUM FRAME

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CHILLING PLANT

SASG (Water/Air) Chilling Plants

- Capacity with Scroll Compressor : 1TR to 100TR (air/water cooled type
- Fully hermetic scroll / reciprocating compressor with crank case heater.
- Overload protection for compressor.
- High and Low pressure switch to safeguard compressure and refrigerant system.
- High volume, High pressure stainless steel impeller
- and housing pump with mechanical seal for long life.
- Overload protection in pump motor.
 - Stainless steel insulated water tank with inbuilt hot
- and cold well.
- All material used in water contact is corrosion proof.
- Micro / PLS Controller.
 - Energy efficient air/water cooled compact chiller,
- suitable for working in high ambient conditions.
- Chiller can be connected with multiple moulding/
- Extrusion machines.
- A seamless safety chain including function control
- of compressor, fan, pump and water filling level.
 Maintenance free high volume, high pressure water
- circulation pump.
- Freeze protection.
 - Liquid absorber in the cooling agent circuit. High operation comfort, easy maintenance, low number of switching actuations.



Types of Chillers

SASG Deals in Different types Chillers as per the temperature range applications and capacity as well as environment conditions

RECIPROCATING Chiller SCREW Chiller SCROLL Chiller AMMONIA Chiller SKID MOUNTED Chiller



SASG Offset Fountain Chilling and Circulating Unit

- Compact in Design.
- Constant stability of fountain solution during the printing.
- Constant Temperature as per requirement of the job.
- SASG fountain chillers are suitable for new offset press and retro fit-too.
- SASG chillers are need less alcohol consumption
- The tank capacity of chillers 100 ltrs. to 300 ltrs.
- SASG fountain chillers contains.
- Re circulating unit.
- Premixing and flow control unit.
- Special Filters with easy to replace membrane,
- digital temperature indicator.
 - SS fountain tank and removable tank covers
- for easy cleaning.
- Drain valve for discharge through pipe.
 Self lock type SS covers.

SASG supplier for **High Quality Towers in Different Shape Round and** square with multiple cells

Material of Cooling Towers Fiberglass Reinforced polyster (FRP) Metal, PVC, Wood and Concrete

Types of Cooling Towers Design of Cooling Towers Forced Draft Cross Flow Induced Drafts Natural Drafts

Counter Flow

Close Loop and Open Loop



- Energy Efficient Compare to other manufacturers
- Low Cost maintenance
- Anti Freeze protection at low temperature
- Micro Controller based control system
- Eco Friendly Refrigerant R-22, R-404A, R-407C and R-10
- Suitable for Different Industrial Applications in Extreme Tropical Environment Conditions

More Reliable and highly durable multi circuit is available in one package.

Electronic Expansion valves for regulating the flow of Refrigerant as per the load.





Specifications

MODEL	NORMAL CAPACITY TR	HEAT REJECTION Kcal/Hr X 1000	DIMENSION		FAN	MOTOR	OPERATING WEIGHT	PUMP
			HEIGHT mm	DIAMETER	DIA MM	HP	(Kg)	HEAD H ₂ 0
SASG - 7.5	7.5	28	2000	1000	700	1.0	250	2000
SASG - 15	15	56	2000	1200	800	1.0	320	2000
SASG - 25	25	94	2200	1800	1000	2.0	450	2400
SAGS - 30	30	113	2200	1800	1000	2.0	500	2400
SAGS - 40	40	150	2800	2100	1200	2.0	700	3000
SAGS - 50	50	189	2800	2200	1250	2.0	800	3000
SAGS - 60	60	226	2800	2200	1250	3.0	1300	3000
SAGS - 80	80	300	3000	2800	1500	3.0	1500	3000
SAGS - 100	100	376	3000	2800	1500	5.0	1500	3000
SAGS - 125	125	469	3000	5100	1500	5.0	1700	3200
SAGS - 150	150	563	3000	3100	1500	7.5	1800	3200
SAGS - 175	175	656	3200	3600	1800	7.5	2100	3400
SAGS - 200	200	750	3200	3600	1800	10.0	2300	3400
SAGS - 250	250	938	3500	4000	1800	10.0	3000	3700
SAGS - 300	300	1126	3500	4000	1800	10.0	5500	3700
SAGS-400	400	1500	3700	5800	3000	15.0	5500	4000

NOTE: Normal data based on 15 L.P.M (4 USGPM per TR) Water inlet 36.4°C (97.5°F), water outlet 32.2°C (90.0°F) & wet bulb 28.3°C (83.0°C), for capacities in other conditions please contact us.



SASG UV SOLUTIONS PVT. LTD.

Email: anil.saini39@gmail.com | sankoch22@gmail.com | URL: www.sasguv.com

UV CURING & UV COATING SYSTEMS

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