

A COMPLETE  
**SOLUTION FOR**  
INDUSTRIAL NEEDS

A close-up photograph of industrial machinery, likely a hydraulic system, with a thick stream of golden-brown oil being poured from a metal spout into a complex assembly of metal parts. The background is blurred, focusing attention on the oil and the machinery.

## Transforming Industrial Lubrication Practices

The Industrial **Transformation** Experts



# Optimizing Performance Across Industries



**OFF-HIGHWAY**



**MINING**



**WIND ENERGY**



**CEMENT**



**AGRICULTURE**



**AUTOMOTIVE**



**PULP & PAPER**



**FOOD & BEVERAGE**



**MACHINE TOOL**



**METAL**



**MATERIAL HANDLING**



**RAILWAYS**





# About Us

## Your reliable partner in Industrial Hydraulics and Automatic Lubrication Systems

Welcome to MachFox, your trusted partner in the realm of Industrial Hydraulics and Industrial Automatic Lubrication Systems. Founded on the principles of engineering excellence and customer satisfaction, we specialize in delivering high-quality, reliable solutions designed to enhance the performance, longevity and productivity of industrial machinery across various sectors.

Backed by industry leaders with distinguished and vast experience in varied industries, our team of skilled engineers and technicians brings expertise in designing and developing customized solutions that meet the unique needs of our customers. From design and manufacturing to installation and support, we ensure that every product we deliver is of the highest quality and performance.

**Our Mission:** Our mission is to provide pioneering solutions geared towards augmenting the efficiency, productivity and reliability of industrial machinery across diverse sectors. We strive to innovate continuously, ensuring that our solutions contribute to the smooth and efficient operation of your machinery and equipment.

**Quality and Innovation:** Quality is the heart of everything we do at MachFox. Our state-of-the-art manufacturing facilities and strict quality control processes ensure that every product meets the highest standards. We are also committed to innovation, continuously investing in research and development to bring the latest technological advancements to our customers.

**Customer Focus:** We believe in building lasting relationships with our customers by providing exceptional service and support. Our team of experienced engineers and technical experts works closely with customers to understand their unique needs and deliver tailor-made solutions that drive operational excellence.





### **Our Products and Solutions:**

**Automatic Lubrication Systems:** Our solutions are designed to keep your machinery up and running smoothly, reducing downtime and maintenance costs while extending the life-cycle of your equipment.

### **Areas of Applications:**

Our Automatic Lubrication Systems are designed and customized to meet the specific need of the customers. Our lubrication systems help enhance equipment performance and reliability, reduce downtime, and improve safety. Here are some key industrial areas and applications that we cater to:

- Steel and Metal Processing
- Cement
- Mining
- Construction and Off-highway
- Railway
- Pulp and Paper
- Wind Energy
- Agriculture
- Trucking fleets

**Hydraulics:** From simple hydraulic components to complex integrated systems, we offer a wide range of products tailored to meet the needs of various industries including Metals, Cement, Mining, Railways, Construction, Wind & Others.

### **Advantages of Automatic Lubrication Systems:**

- Increased equipment lifespan
- Reduced downtime
- Enhanced efficiency
- Improved safety
- Consistent and precise lubrication
- Advanced monitoring and control
- Environmental benefits
- Reduced manual intervention
- Customization and flexibility

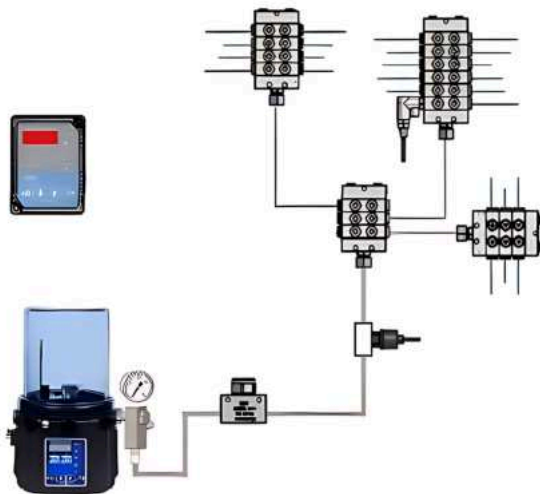


# Automatic Lubrication Systems

## Lubrication Systems

The application of a film or grease/oil between moving parts in a machine or vehicle prevents any metallic contact between moving parts, like pins and bushings, bearings and steering knuckles. It also stops dirt, water and dust entering the lubrication points and prevents corrosion. Inadequate lubrication causes wear and tear which eventually leads to equipment failure and increased costs.

Automatic Lubrication Systems are designed to deliver correct amount of lubricant to multiple lubrication points on a machine while it is operating without the need for manual intervention. This system ensures that all necessary components receives the right amount of lubricant at the right intervals, enhancing the efficiency, reliability and longevity of the machinery.

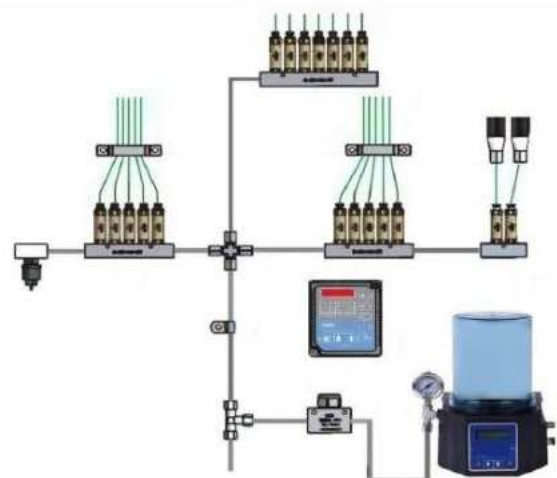


## Single Line Progressive Systems

- Connecting numerous lubrication points
- Exact dosing output
- Compact / Flexible construction
- Cost-effective
- Easy assembly
- Point-target type of spraying possible  
e.g. chain bolt lubrication

## Single Line Parallel Systems

- Easy to understand, install and maintain
- Suitable for commonly used lubricants
- Reliable lubrication system
- Easy system expansion
- System continues to operate if one point gets blocked



# Automatic Lubrication Systems

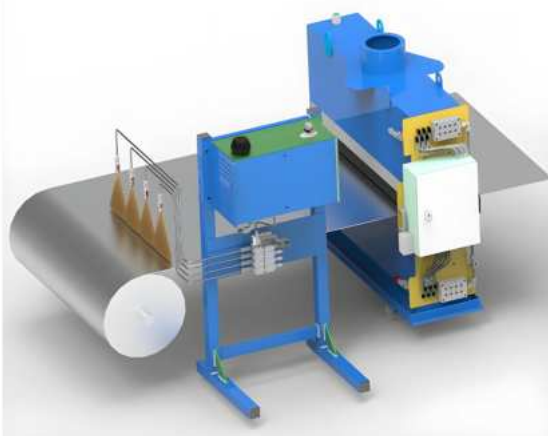
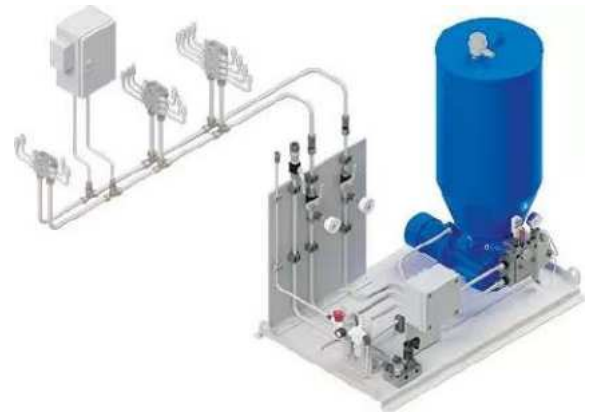


## Oil Circulation Systems

- Cooling of bearings and gears to reduce the thermal stress
  - Removal of suspended contaminations from bearings and gearboxes
  - Oil reservoir sizes up to 60000 Liter to maintain the retention time de-aerate the oil
  - High operating efficiency of the equipment resulting
  - enhancement in production
- Easy expansion of the lubrication system

## Dual-line Systems

- Easy operation and maintenance
- Scalable and simple in design
- Highly reliable with precise amount of lubricant
- Various applications in harsh environment
- Easy expansion of the lubrication system
- Works in wet and humid environments also at low temperatures

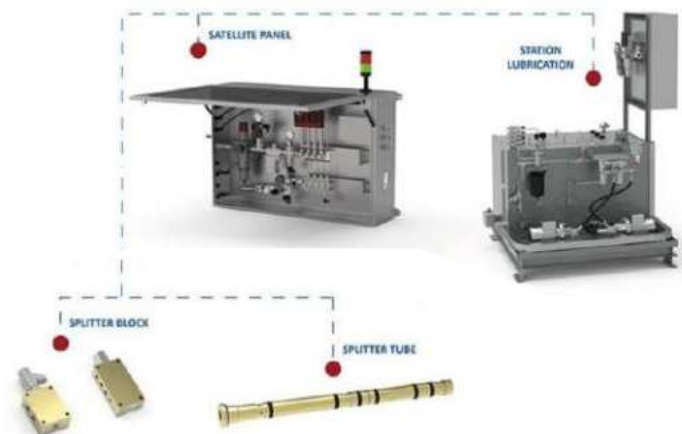


## Spray Lubrication Systems

- Easy installation
- Fixed setting of spray angle and distance for all nozzles
- Easy to check function (hinged mounting plate)
- No contamination of the nozzles
- Mounting plates with controlled or uncontrolled wide-angle nozzles


## Air Oil Systems

- Prevent premature bearing failure due to water ingress or foreign bodies into it
- Extended bearing life
- Protect from overheating
- Enhanced equipment performance
- Higher durability
- Reduction in lubricant consumption
- Environmental benefits




# Automatic Lubrication Systems


## Progressive Pump

	Pump Model	MLP Series
	No. of Outlets	5
	Supply Voltage	12V AC/DC & 24V AC/DC
	Reservoir Capacity	2, 4, 6, 8 Liter
	Rated Flow	2, 3, 4 ml/Stroke
	Media	Oil, NLGI 000 / 00 / 0 / 1 / 2
	Operating Temp.	-40 to +90 Deg. C
	Outlet Connection	G 1/4"
	Max. Pressure	350 Bar


## Progressive Distributor

	Distributor Model	PSD Series
	Media	Oil, NLGI 000 / 00 / 0 / 1 / 2
	Discharge	0.2 cc / Stroke / Outlet
	Operating Temp.	-40 to +90 Deg. C
	Inlet Connection	G 1/8"
	Outlet Connection	M10X1
	No. of Outlets	From 6 to 22
	Operating Pressure	From 15 to 300 Bar


## Segmental Distributor

	Distributor Model	SEG Series
	Media	Oil, NLGI 000 / 00 / 0 / 1 / 2
	Discharge	0.08 to 0.32 cc/Cycle
	Operating Temp.	-40 to +110 Deg C
	Inlet Connection	G 1/8"
	Outlet Connection	M10x1
	No of Outlets	From 6 to 20
	Operating Pressure	From 15 to 250 Bar


## Single Line Cartridge Pump

	Model No	MCP
	Reservoir Cap	700 cc
	Container Type	Metallic
	Output/outlet	10 cc/Min
	Pressure Rating	100 Bar
	Supply Voltage	24V DC
	Media	Up to NLGI Gr 2


## Timer - Progressive/ Single Line

	Model	OMF- 002
	Input Voltage	18-30V DC
	Output Voltage	24V DC
	Runtime	1-99min (In Step of 1min)
	Pause Time	1-999min (In Step of 1min)
	Supervisory Time	1-99min( In Step of 1min)
	Class of Protection	IP 65
	Memory	Provided. Memory lapses on Switching OFF the Input power.
	Type of Connection	Automobile, Nylon


## Single Line Distributor - Grease

	Model No	SLI-1
	Type	Injector-Parallel Type 0.13-
	Output/outlet/cycle	1.3 cc / Stroke
	Monitoring	Indicator Pin / PS-24V DC
	Max Operating Pr.	240 Bar
	Min Operating Pr.	130 Bar
	Min. Operating Pre.	170 Bar
	Conn. Size (Inlet)	3/8" NPT
	Conn. Size (Outlet)	1/8" NPT
	Media	Up to NLGI Gr 2

## Single Line Pump

	Model	EDP / HDP / PDP Series
	Type	Hydraulic / Electric / Pneumatic Operated
	Container Capacity	27 Kg / 60 Kg
	Container Type	Metallic
	Output/Outlet	114 cc/min.
	Op. Hydraulic Pr.	21-31 Bar
	Pressure Rating	300 Bar
	Hyd. Oil Inlet Port	SAE 4
	Hydraulic Pre. Max.	207 Bar
	Media	Up to NLGI Gr 2


## Single Line Distributor - Grease

	Model No	SLI-3...
	Type	Injector-Parallel Type
	Output/outlet/cycle	0.016-0.131 cc/Stroke
	Monitoring	Indicator Pin
	Max Operating Pr.	240 Bar
	Min Operating Pr.	83 Bar
	Media	Up to NLGI Gr 2




# Automatic Lubrication Systems


## Single Line Distributor - Fluid Grease

	Model No	SLPG
	Type	Injector-Parallel Type
	Output/outlet/cycle	0.1, 0.2 & 0.4 cc/Stroke
	Monitoring	Indicator Pin
	Max Operating Pr.	80 Bar
	Min Operating Pr.	20 Bar
	Media	NLGI 000, NLGI 00
	No of Outlets	1, 2, 3 & 5


## Hand Operated Pump

	Model No	HOP
	Type	Hand Pump
	Output	8 cc/Stroke
	Operating Pressure	15 Bar
	Reservoir Capacity	800 cc / 600 cc
	Media	Oil


## Electric Gear Pump With Reservoir

	Model No	SLP
	Type	Electric
	Reservoir Capacity	2L, 3L, 8L & 20 Liter
	Reservoir Type	Resin Tank
	Output/outlet	200 cc/min / 500 cc/min
	Operating Pressure	20 Bar
	Supply Voltage	415V AC / 200V AC / 24V DC
	Optional	Level switch, Pre Switch


## SLPO- Oil Distributor

	Model No	SLPO
	Type	Injector-Parallel Type
	Output/Outlet/Cycle	0.03 to 1.5 cc/Stroke
	No of Outlets	1, 2, 3, & 5
	Max Operating Pr.	20 Bar
	Min Operating Pr.	10 Bar
	Media	Oil 32 to 750 Cst
	Options	Manifold with Single Station Distributor are Available


## Dual Line Pump

	Model	DLP
	Lubricant Output	4, 8, 14 & 24LPH
	Operating Pressure	400 Bar max.
	Reservoir Capacity	30, 50 & 100 Ltrs with Low & High-Level switch
	Drive Type	Flange Geared Motor
	Power Supply-Motor	415V AC ±10%,50Hz ±5%, 3 phase
	Power Rating-Motor	0.37 kW/ 0.55 kW/ 1.1 kW
	Motor Enclosure-Motor	IP-55 Class Protection
	Motor Insulation-Motor	Class-F
	Make of Motor	Siemens/ ABB /Hidustan Motors


## Change Over Valve

	Model No.	ECV
	Type	Motorized
	Flow Capacity	65 Liters/Hour. Max
	Operating Pressure	0-400 Bar Max.
	Thread Connection	¾" BSP
	Voltage Rating	24V DC

## Dual Line Distributor

	Model No.	DLD
	Monitoring	Indicator Pin & Proximity switch-24V DC
	Inlet connection	3/8" BSP (Female)
	Outlet connection	1/4" BSP (Female)
	Lubrication Output per Outlet	0.2 to 2.3 cc/Stroke adjustable
	Operating pre. range	35 - 400 Bar
	MOC	Carbon Steel
	No of Outlets	From 2 to 8

## Refilling Pump

	Model No.	PRP / ERP
	Mode of operation	Pneumatic / Electric
	Ratio	50:1
	Maximum Output	1.3 ltr/Min
	Minimum air pressure	2 bar
	Maximum air pressure	10 bar
	Connection Threads	1/4" NPTF
	Pressure primer	Single post & Twin post are available
	Media	Up to NLGI Gr 2



We are always  
here to help you

Discuss technical details,  
ROI, purchase prices,  
delivery time and more  
with our experts.

## GET IN TOUCH



SCAN TO  
CONTACT AT  
BENGALURU  
OFFICE



SCAN TO  
CONTACT AT  
FARIDABAD  
OFFICE



[info@machfoxindia.com](mailto:info@machfoxindia.com)



[www.machfoxindia.com](http://www.machfoxindia.com)



**HEAD OFFICE & MANUFACTURING**  
**MachFox Hydraulics and Lubrication Systems Pvt. Ltd.**  
7A, Sector 24, Ballabhgarh, Faridabad,  
Haryana 121005 – India

**MANUFACTURING AND R&D CENTRE**  
**MachFox Hydraulics and Lubrication Systems Pvt. Ltd.**  
307/308, 5th Main Road, 4th Phase, Peenya Industrial  
Area, Bengaluru Karnataka 560058 – India



SCAN TO VISIT  
OUR WEBSITE

[www.machfoxindia.com](http://www.machfoxindia.com)