

**RKS**

**ROCKSENSOR™**

**Sensing beyond the Vision**



*Pressure*



*Flow*



*Level*



*Temperature*

**SENSORS  
TRANSMITTERS**

**Product Brochure**

# ROCKSENSOR AT A GLANCE (ABOUT US)

Rocksensor is one of the global leaders specializing in Process Instrumentation, Research and Development and Designing of Industrial Automation Equipment. We provide highly precise pressure sensors and transmitters, flow metres, level transmitters and temperature transmitters with a prime focus to help our clients efficiently, safely and economically run complex industrial processes.

Rocksensor, headquartered in Switzerland, has its footprint in various geographical regions such as the US, Russia, South Korea, Italy, Germany, Singapore, Malaysia, Morocco, China, Taiwan, Australia, UAE, Brazil and India. Our clients come from some of the major industries such as Oil and Gas, Petrochemicals, Pharmaceuticals, FMCG, Automobiles, Water, Cement, Metal & Mining, and mainly from the Power Industry like Nuclear, Thermal, Hydro, and Solar.

Rocksensor deals in a wide range of highly accurate industrial automation instruments ensuring that even the complex industrial processes happen efficiently.

To fulfill the needs of our clients we make sure that our instruments work in even the harsh environmental conditions offering accurate recordings and communication.

We, at Rocksensor, believe in creating bonds that last a lifetime and create a success story for each and every client. Rocksensor aims to achieve a perfect fit in the global market landscape and establish our footprints across the globe.



# CONTENTS

## Pressure ..... 4-5

- Smart Differential Pressure Transmitter (RP1001)
- Smart Gauge Pressure Transmitter (RP1002)
- Smart Absolute Pressure Transmitter (RP1003)
- Miniature Pressure Transducer without display (RP202S)
- Sanitary Gauge/ Absolute Pressure Transmitter (RP1002/3DSH)
- Submersible Pressure Transmitter (RP202L)
- Remote Seal Differential Pressure Transmitter with capillary (RP1001)
- Remote Seal Differential Pressure Transmitter (Direct Mount) (RP1001)
- Remote Seal Gauge/ Absolute Pressure Transmitter (with capillary) (RP1002/3)
- Remote Seal Gauge/ Absolute Pressure Transmitter (Direct Mount) (RP1002/3)

## Flow ..... 6-7

- Coriolis Mass Flowmeter (RF3200)
- Thermal Gas Mass Flowmeter (RF3700)
- Positive Displacement Flowmeter (RF3800)
- Electromagnetic Flowmeter (RF3300-E)
- Electromagnetic Flowmeter (RF3301-E)
- Electromagnetic Flowmeter Slurry (RF3301-SL)
- Vortex Flowmeter (RF3400)
- Turbine Flowmeter (RF3501)
- Variable Area Flowmeter (RF3600)
- Clamp On Ultrasonic Flowmeter (RUF100)
- Inline Ultrasonic Flowmeter (RUF200)
- Portable Ultrasonic Flowmeter (RUF300)

## Level ..... 8-9

- Compact Radar Level Transmitter (RLT6400C)
- Radar Level Transmitter Rod Antenna (RLT6400R)
- Radar Level Transmitter Sanitary Connections (RLT6400S)
- Radar Level Transmitter Lens Antenna (RLT6900L)
- Radar Level Transmitter Horn Antenna (RLT6200)
- Ultrasonic Level Transmitter (RUL11XX)
- Guided Wave Radar Level Transmitter (RLT8100)
- Guided Wave Radar Level Transmitter (RLT8200)
- Guided Wave Radar Level Transmitter (RLT8600)
- Microwave Barrier Level Switch (RMW210)
- Admittance Level Switch Series (RRF312 RF)
- Vibrating Rod Level Switch Series (RVR312)
- Tuning Fork Level Switch Series (RTF312)

## Temperature ..... 10

- Field Mount Temperature Transmitter (RTT5000)
- Temperature Transmitter for Sanitary Applications Display (RT2004 RTD)
- DIN Rail Temperature Transmitter (RTM5001)
- Head Mount Temperature Transmitter (RTM5000)



Model No. Specifications	Smart Differential Pressure Transmitter (RP1001)	Smart Gauge Pressure Transmitter (RP1002)	Smart Absolute Pressure Transmitter (RP1003)
Product Image			
Span	0-0.3 ~ 30bar	0-6 ~ 600bar	0-0.3 ~ 30bar
Accuracy	±0.035%, ±0.06%, ±0.1%		
Output	4-20mADC HART 7		
Power Input	24 VDC (Nominal), 9-36 VDC		
Static/ Burst Pressure	16MPa, 25 MPa, 40MPa	upto 70MPa	upto 15MPa
Process Conn. MOC	SS316L		
Filling Fluid	Silicon Oil/ Flourine Oil		
Diaphragm	SS316L/ Hastelloy C/ FEP plated on SS316L/ Gold plated on SS316L/ Tantalum	SS316L/ Hastelloy C/ Gold plated on SS316L/ Tantalum	
Ambient Temperature	(-)40 ~ 85°C		
Protection	IP67		

Model No. Specifications	Miniature Pressure Transducer without display (RP202S)	Sanitary Gauge/Absolute Pressure Transmitter (RP1002/3-DSH)	Submersible Pressure Transmitter (RP202L)
Product Image			
Span	-1 ~ 1000bar	- 1 ~ 1000bar	upto 200 meter
Accuracy	±0.1%/ 0.25%/ 0.5%	± 0.25%	±0.1%, ±0.2%, ± 0.5%
Output	4 ~ 20mADC/1-5V/0-5V	4 ~ 20mADC	4 ~ 20mADC/ RS-485
Power Input	12 ~ 30VDC/ 5VDC	12 ~ 42VDC	12 ~ 36VDC
Overload Pressure	1.5 × FS	2 × FS	2 × FS
Sensor Body	SS304/ SS316	SS304/ SS316	SS304
Diaphragm	SS316L, Hastelloy C	SS316L	SS316L
Filling Fluid	Silicon Oil	Silicon/ Vegetable Oil/ Food Grade	Silicon Oil
Medium Temperature	(-)30°C ~ 120°C	(-)30 ~ 150°C	(-)20 ~ 70°C
Protection	IP65		IP65/ IP68 (Sensor)
Process Connection	G1/4"(M)/ NPT1/4"(M)/ NPT1/2"(M)/ Custom	2"/ 2.5" Tri-cover/ Custom	Thread: G1" Flange: DN25, DN32
Electrical connections	Direct lead/M12 navigation Plug/Hirschman/Parker/ Customized	Hirschmann Connector/M12	M20X1.5

Note: For more information, please contact us.



Model No. Specifications	Remote Seal Differential Pressure Transmitter with Capillary (RP1001)	Remote Seal Differential Pressure Transmitter(Direct Mount) (RP1001)
Product Image		
Span	0-0.3 ~ 30bar	
Accuracy	±0.06%, ±0.1%	
Output	4-20mADC / HART	
Power Input	24 VDC (Nominal), 9-36 VDC	
Working Pressure	0.2 MPa, 7 MPa, 16MPa, 25MPa, 40MPa,	
Sensor Body	SS316L	
Diaphragm	SS316L, Hastelloy C, Gold plated on SS316L, FEP plated on SS316L, Tantalum	
Filling Fluid	Silicon Oil/ Flourine Oil, High Temperature Oil	
Process Temperature	(-)30°C ~ 120°C (std.)/ upto 600°C for Remote type	
Protection	IP67	
Flange	DN50, DN80, DN100	
Capillary Length	upto 12m or more (customized)	-
Capillary Protection	PVC Coating	-

Model No. Specifications	Remote Seal Gauge/Absolute Pressure Transmitter with capillary (RP1002/3)	Remote Seal Gauge/Absolute Pressure Transmitter Direct Mount (RP1002/3)
Product Image		
Span	Gauge: 0-6 ~ 600bar, Absolute: 0-0.3 ~ 30bar	
Accuracy	±0.06%, 0.1%	
Output	4 ~ 20mADC With HART	
Power Input	24 VDC (Nominal), 9-36 VDC	
Sensor Body	SS316L	
Diaphragm	SS316L, Hastelloy C, Gold plated on SS316L, FEP plated on SS316L, Tantalum	
Sensor Body	SS316L	
Filling Fluid	Silicon Oil/ Flourine Oil, High Temperature Oil	
Medium Temperature	(-)30°C ~ 120°C (std.)/ upto 600°C for Remote type	
Ambient Temperature	-40°C ~ 85°C	
Protection	IP67	
Flange	DN50, DN80, DN100	
Capillary Length	upto 12m or more (customized)	-
Capillary Protection	PVC Coating	-

Note: For more information, please contact us.



Model No. Specifications	Coriolis Mass Flowmeter (RF3200)	Thermal Gas Mass Flowmeter (RF3700)	Positive Displacement Flowmeter (RF3800)
Product Image			
Line Size	3 ~ 250mm	15 ~ 4000mm	10 ~ 200mm
Application	Liquid/ Gas/ Slurry	Gas except Acetylene	Liquid
Accuracy	±0.1/ 0.15/ 0.2/ 0.5%	±1/ 1.5/ 2.5%	±0.2/ 0.5%
Output	4 ~ 20mA current loop/ Pulse	Pulse/ 4 ~ 20mADC	4 ~ 20mADC
Power Input	15VDC ~ 40VDC	24VDC or 220VAC	24VDC
Operating Pressure	1.6 ~ 70MPa	1.6 ~ 4.0 MPa	1.6 ~ 6.3 MPa
Operating Temperature	(-)196°C ~ (+)70°C/ (-)50°C ~ (+)350°C	(-)20°C ~ 150°C	(-)20°C ~ 200°C
Comm. Protocol	RS485 / HART	RS485 / HART	RS485 / HART
Sensor/ Body Material	SS316L/ SS304/ custom	SS, CS	Cast Iron, SS, MS
Protection	IP67	IP65, IP67, IP68	IP67

Model No. Specifications	Electromagnetic Flowmeter (RF3300-E)	Electromagnetic Flowmeter (RF3301-E)	Electromagnetic Flowmeter Slurry (RF3301-SL)
Product Image			
Line Size	15 ~ 2000mm	3 ~ 3000mm	3 ~ 3000mm
Accuracy	0.2%, ±0.5%, ±1%	0.2%, ±0.5%	±0.5%
Conductivity	≥30μS/cm (std.), >5μS/cm	> 20 μS/cm	> 20 μS/cm
Output	Pulse/ 4~20mA		
Power Input	220VAC/ 24VDC	85 250 VAC, 20 36 VDC	
Operating Pressure	1.0 ~ 4.0MPa	1.0 ~ 4.0MPa	1.0 ~ 4.0MPa
Operating temperature	(-)10 ~ 180°C	(-)10 ~ 180°C	(-)10 ~ 180°C
Comm. Protocol	RS485 or MODBUS/ HART	RS485 or MODBUS/ HART/ GPRS	RS485 or MODBUS/ HART/ GPRS
Sensor/ Body Material	Carbon steel std./ SS304/ SS316		
Protection	IP65 / IP68 (Remote)		

Note: For more information, please contact us.



Model No. Specifications	Vortex Flowmeter (RF3400)	Turbine Flowmeter (RF3501)	Variable Area Flowmeter (RF3600)
Product Image			
Line Size	15 ~ 2000mm	4 ~ 200mm	15 ~ 150mm
Accuracy	±1%, ±1.5%	±0.5%, ±0.2%	±1.5%, ±2.5%
Output	Pulse/ 4 ~ 20mA		Pulse/ 4 ~ 20mADC
Power Input	24VDC	24VDC/ 3.6VDC Lithium Battery	24VDC, 220VAC
Operating Pressure	Standard 1.6MPa; Custom 2.5 - 4.0MPa	1.0 ~ 40MPa	1.0, 1.6MPa
Operating Temperature	(-)10°C ~ 350°C	(-)20°C ~ 150°C	(-)20° ~ 220°C
Comm. Protocol	RS485 or MODBUS/ HART		
Sensor/ Body Material	SS304/ SS316	SS304/ SS316	SS304/ SS316L/ Custom
Process Connection	Flange/ Thread/ Tri-clamp/ Wafer	Flange/ Thread/ Tri-clamp	
Protection	IP65 / IP67		

Model No. Specifications	Ultrasonic Flowmeter (RUF100)	Inline Ultrasonic Flowmeter (RUF200)	Portable Ultrasonic Flowmeter (RUF300)
Product Image			
Line Size	15 ~ 6000mm	15 ~ 3000mm	15 ~ 6000mm
Accuracy	±1%		
Output	Pulse/ 4 ~ 20mADC		
Power Input	8~36 VDC or 85~265 VAC	24VDC or 220VAC	Ni-MH battery/ AC100-240V power adapter optional
Operating Temperature	(-)30° ~ 160°C		
Comm. Protocol	RS485		RS232
Applicable Pipe Material	SS/ MS/CS/ Copper/ Aluminium/ PVC/ FRP		
Ambient Temperature	(-)20°C ~ 60°C		
Protection	IP68 (Sensor)	IP68	IP65

Note: For more information, please contact us.



Model No. Specifications	Compact Radar Level Transmitter (RLT6400C)	Radar Level Transmitter with Rod Antenna (RLT6400R)	Radar Level Transmitter Sanitary Connections (RLT6400S)
Product Image			
Application	Liquid & Solids with moderate dust	Aggressive Liquids	Food and Pharmaceutical Sectors
Measurement Range	8/ 15/ 30/ 35m	0 ~ 30m/ 0 ~ 70m/ 0 ~ 120m	
Beam Angle	8°	3°, 7°	6°
Accuracy	±2mm		
Frequency	80GHz (FMCW)		
Output	4 ~ 20mA/ HART/ RS485/ Bluetooth	4 ~ 20mA/ HART	4 ~ 20mA/ HART
Process Temperature	(-)60°C ~ 80°C	(-)40°C ~ 200°C	(-)40°C ~ 200°C
Process Connection	Thread	Thread/ Flange	Tri- Clamp
Protection	IP67/ IP68	IP67	IP67

Model No. Specifications	Radar Level Transmitter Lens Antenna (RLT6900L)	Radar Level Transmitter Horn Antenna (RLT6200)	Ultrasonic Level Transmitter (RUL11XX)
Product Image			
Application	Liquid & Solids	Liquid & Solids	Liquid
Measurement Range	0 ~ 30/ 70/ 120m	0 ~ 30m, 0 ~ 70m	0 ~ 5/ 10/ 15/ 20m
Beam	3°	-	3°, 5°
Accuracy	±2mm	±3mm	±0.25%
Frequency	80GHz	26GHz	28, 40, 50KHz
Output	4 ~ 20mA/ HART	4 ~ 20mA/ HART	4 ~ 20mA/ HART
Working Pressure	(-)1bar ~ 20bar	(-)1 ~ 40 bar	<2bar
Ambient Temperature	(-)40°C ~ 80°C	(-)40°C ~ 70°C	(-)20°C ~ 70°C
Process Temperature	(-)40°C ~ 200°C	(-)40°C ~ 400°C	(-)40°C ~ 85°C
Process Connection	Swiveling holder with Flange, Air Purging	Swiveling holder with Flange	Thread/ Flange
Protection	IP67	IP67	IP67

Note: For more information, please contact us.

\* Depends on Horn length





Model No. Specifications	Guided Wave Radar Level Transmitter (RLT8100)	Guided Wave Radar Level Transmitter (RLT8200)	Guided Wave Radar Level Transmitter (RLT8600)
Product Image			
Application	Slightly Aggressive Liquids (under normal conditions)	Bulk solid & Powder	Slightly Aggressive Liquids (under extreme conditions)
Measurement Range	0 ~ 30m	0 ~ 30m	0 ~ 30m
Accuracy	±3mm		
Frequency	100MHz ~ 1.8GHz		
Output	4 ~ 20mA/ HART		
Working Pressure	(-)1bar ~ 40bar		(-)1bar ~ 400bar
Ambient Temperature	(-)40°C ~ 70°C		
Process Temperature	(-)40°C ~ 200°C		(-)40°C ~ 450°C
Process Connection	Thread/ Flange		
Protection	IP67		

Model No. Specifications	Microwave Barrier Level Switch (RMW210)	Admittance Level Switch Series (RRF312 RF)	Vibrating Rod Level Switch Series (RVR312)	Tuning Fork Level Switch Series (RTF312)
Product Image				
Application	Liquid, Solid & Interface		Liquid & Solid	
Measurement Range	0 ~ 200m	500 ~ 9999mm	125 ~ 9999mm	
Beam Angle	20°			
Frequency	24 ~ 26GHz	-	365Hz ~ 405Hz	355Hz ~ 365Hz
Output	DPDT	5A/250VAC or NPN/ PNP or DPDT	Relay, SPDT, 5A/ 250VAC or PNP/ NPN	Relay, SPDT, 2A/250VAC or NPN/ PNP or NAMUR
Power Input	100~24VAC±10%, 50/ 60Hz or 11VDC~32V	24VDC or 220VAC	Max.15VA	20 ~ 250VAC/DC, 50/60Hz
Sensor Body	Al/ SS with PTFE	SS304/ 316 with PFA/ PTFE		
Working Pressure	(-)1 ~ 4bar (upto 40bar with adapter)	0 ~ 20bar		
Ambient Temperature	(-)40°C ~ 70°C	(-40)°C ~ 70°C	(-)40°C ~ 60°C	(-)40°C ~ 70°C
Process Temperature	(-)40°C ~ 120°C	(-)40°C ~ 550°C	(-)40°C ~ 130°C	
Protection	IP67	IP65		

Note: For more information, please contact us.



## TEMPERATURE

Model No. Specifications	Field Mount Temperature Transmitter (RTT5000)	Temperature Transmitter for Sanitary Applications display (RT2004 RTD)
Product Image		
Input Type	Single/ Dual Input (RTD, TC, mV, Ohms)	Pt100 temperature sensor (Inbuilt)
Accuracy	±0.1%	±0.2°C
Output	4 ~ 20mA (2-wire system)	4 ~ 20mADC
Power Input	12 ~ 35 VDC	7.5 - 45V
Working Temperature	(-)40°C ~ 85°C	(-)50°C ~ 200°C
Sensor Material	-	SS316L/ Titanium alloy
Process Connection	-	Tri-clamp DN15 ~ DN100
Protection Class	IP67	IP65
Communication	HART (Optional)	HART (Optional)
Mounting	Field Mount	-
Isolation (Between Input & Output)	Fully Isolated	-

Model No. Specifications	DIN Rail Temperature Transmitter (RTM5001)	Head Mount Temperature Transmitter (RTM5000)
Product Image		
Input Type	Universal (RTD, TC, mV, Ohms)	Thermocouple, RTD, Universal
Output	4 ~ 20mA	4 ~ 20mA
Communication	HART (Optional)	HART (Optional)
Mounting	DIN Rail Mount	Head Mount
Isolation (Between Input & Output)	Fully Isolated	
Electric Isolation	Upto 2kV AC	1500 VAC
Accuracy	±0.2%FS	0.1%FS
Supply Voltage	12 ~ 40 VDC	12 ~ 40 VDC
Working Temperature	(-)40°C ~ 85°C	(-)40°C ~ 80°C
Protection Class	IP20	IP20

Note: For more information, please contact us.

# NOTES

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# OUR CLIENTS/ END USERS



# OUR CLIENTS/ END USERS



The Ugar Sugar Works Ltd.



## PROUDLY SERVING INDUSTRIES

- Cement
- Steel & Metal
- Power
- Water & Waste Water
- Food Dairy
- Paper & Pulp
- Mining
- Pharma
- Automobile
- Textile
- Chemical
- Fertiliser
- Research
- Oil & Gas
- Petrochemicals
- Railways

# GLIMPSE OF OUR INSTALLATIONS



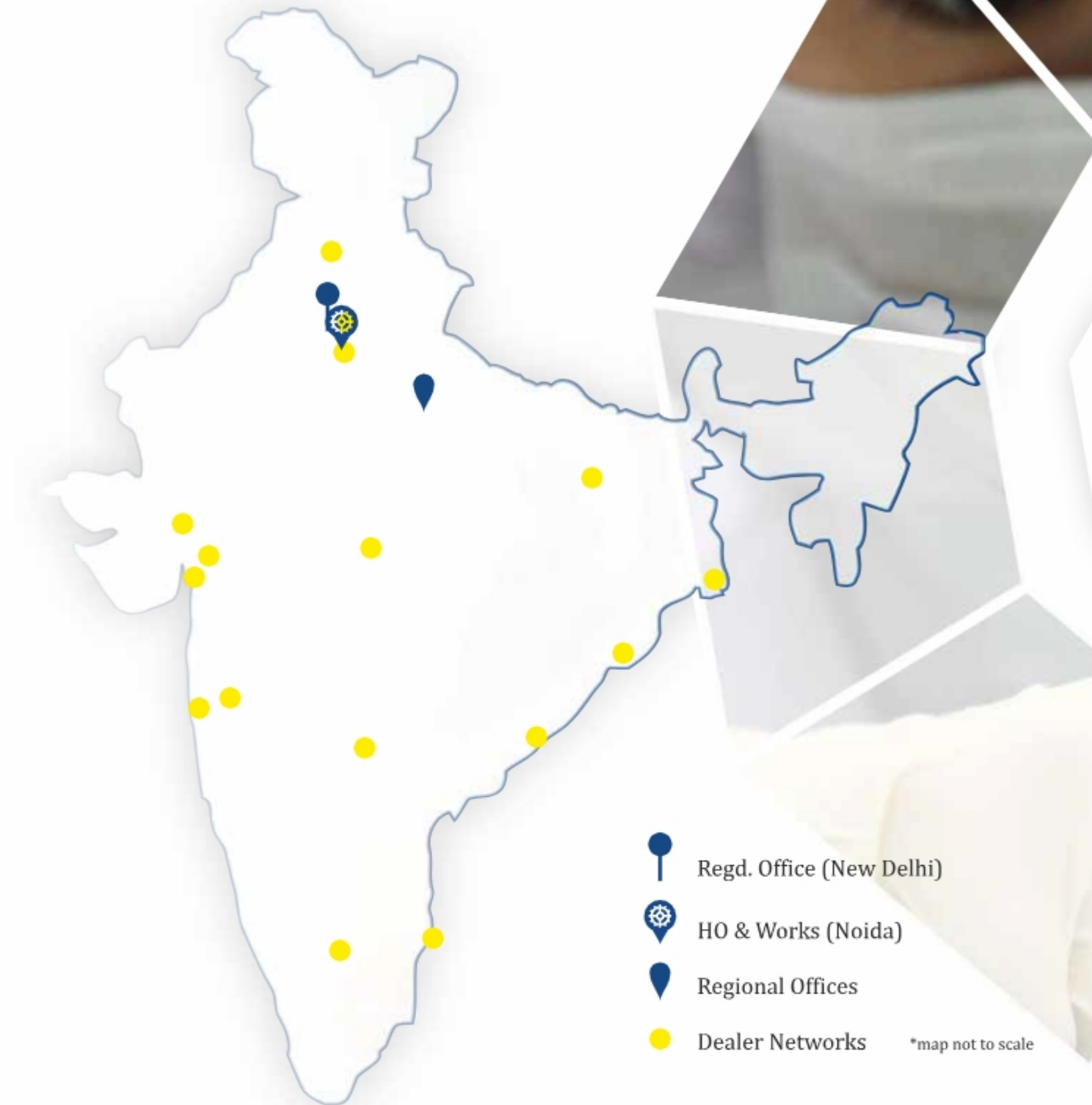
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# GLIMPSE OF OUR INSTALLATIONS



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# PRESENCE IN INDIA



-  Regd. Office (New Delhi)
  -  HO & Works (Noida)
  -  Regional Offices
  -  Dealer Networks
- \*map not to scale

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