



THERMOCOUPLES & RTDS FOR PLASTIC INDUSTRIES

Temperature Sensors
To Meet Your Industry Needs



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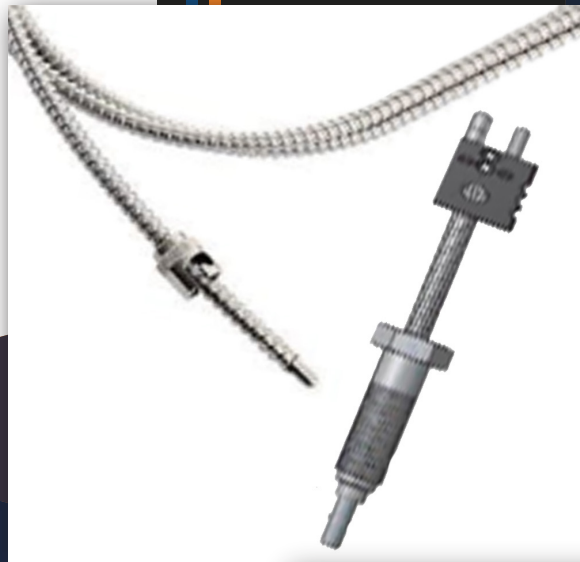
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ABOUT US

Eureka Engineering Enterprises (Quality temperature sensors since 2000), is an ISO 9001-2015 certified, leading manufacturer of Temperature sensing and control systems founded by technocrats with their factory located at MIDC Bhosari, Pune. The company handles global, as well as national clientele. The factory is equipped with dynamic and autonomous machinery like Deep Hole Drilling Machine, CNC Turning Machine, Lathe Machines, TIG Welding for accurate machining. Their manufacturing program in a state-of-the-art manufacturing facility includes Thermocouples (K, N, J, N, R, S, T, E, and B types), Resistance Temperature Detectors (RTDs), Thermowells (Bar stock, Fabricated and Customized), Temperature Indicators, Controllers, and PID Controllers, etc. Eureka stands on three central pillars of – Quality, Value, and Delivery.

Leading manufacturer of Temperature sensing and control systems founded by technocrats



2000



State-of the art manufacturing factory located at MIDC Bhosari, Pune

THREE PILLARS FOR EUREKA MOMENT

Quality - Value - Delivery



We are an ISO 9001:2008 certified company specializing in manufacturing and supplying temperature measurement and control systems. We help improve productivity and provide growth opportunities to employees and suppliers while adhering to business philosophy of Total Quality Management. We have appropriate infrastructure & technical expertise supported by qualified and experienced engineers.



At Eureka, we believe in providing quality at optimum cost. Our manufacturing program includes Resistance Temperature Detectors (RTDs), Thermocouples (J, K, N, R, S, T, E, and B types), Thermowells (Bar stock, Fabricated and Customized), Temperature Indicators, Controllers, and PID Controllers etc. Our instruments have been successfully employed in various Process control Industries.



In today's world, speed is the most sought after parameters of reliability. We strive to deliver within proposed time frame and ensure that the delivery of the products are within reasonable duration so that our customers can trust us in long term. Today, we take pride in announcing us as one of the most trusted manufacturers and suppliers of Temperature measurement and control systems.

SINCE 2000

ISO 9001-2015
certified by
TUV Nord



CE Marking certification
by Ente Certificazione
Macchine Srl, Italy



2020

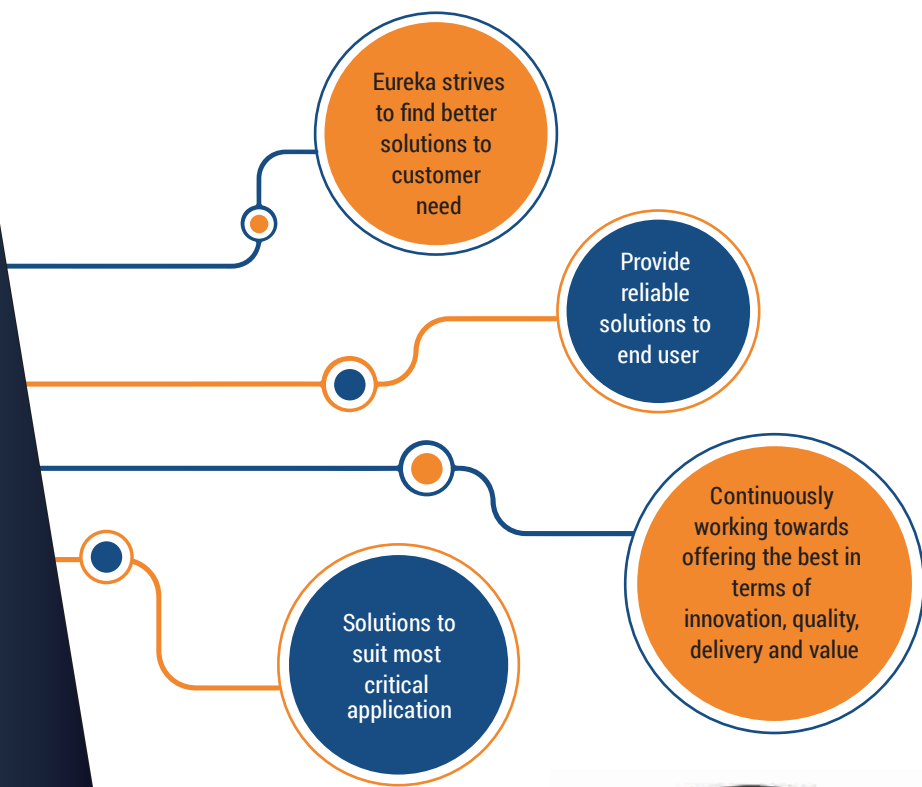


50 + number of
employees working
to give standard quality
products

Annual turnover
crosses Rs.83 million

PROPELLING INNOVATIONS

Besides standard products, we have capabilities to fulfill almost any custom design requirement in temperature sensing



At Eureka we thrive to deliver quality products at competitive price and prompt delivery lead by dedicated workforce in a state of the art manufacturing facility where 'Therma' stands as a leading brand manufacturer of Temperature Sensing Instruments



MANOJ KHATAN

Managing Director

Plastics are made from the Raw materials , mostly Hydrocarbons that are readily available in Natural Gas, Oil and Coal.

Plastic Products & Parts are very widely used in our House hold needs and Industrial requirements. Some of the common Plastic types are Polystyrene, Teflon, Acrylic, Nylon, ABS, PVC , Poly Ethylene, Ploy Carbonate, Polyurethane etc

Plastic Products are produced by various Processes and Machines. These include- Injection Molding, Extrusion, Blow Molding and Packaging.

Various types of Thermocouples & RTDs are used in the plastics processing industry at different places for Temperature measurement.

INJECTION MOLDING

Plastic granulate or powder inside a screw are heated by Electrical Heaters to turn it into liquid form. Pressure is then applied to the plastic to inject it into a mold. The finished part is cooled and removed from the tool. This is known as Injection molding process



THERMOCOUPLES & RTDS

Bayonet Thermocouples are a fixed immersion thermocouple with compressible spring and locking cap with longer immersion depths. The compressible spring and locking cap hold the probe securely in place. Connection cable has Stainless Steel Over Braid cable for Mechanical protection.

Thermocouple are Type K and J , Class 1 Accuracy meeting BS -EN IEC 60584-1 / DIN EN 10204 . The Body is SS 316. RTDs – 2 wire , 3 wire Configurations.

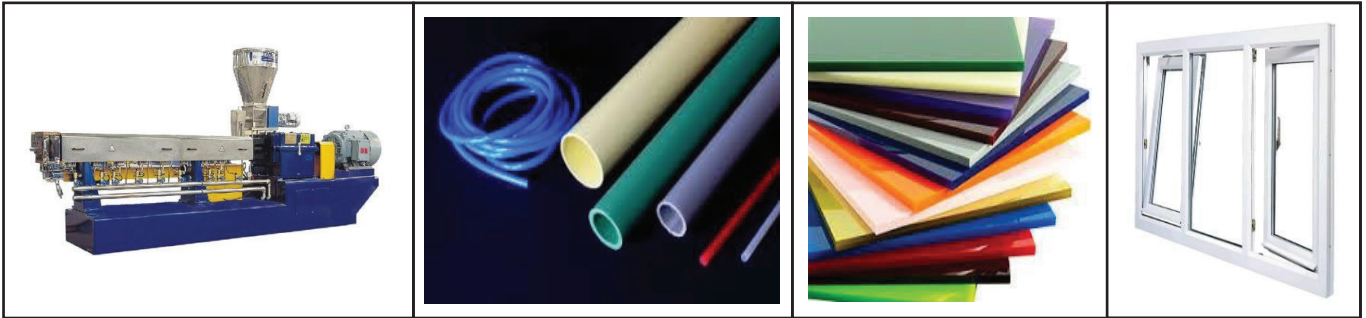
Different Styles to suit the equipment



EXTRUSION

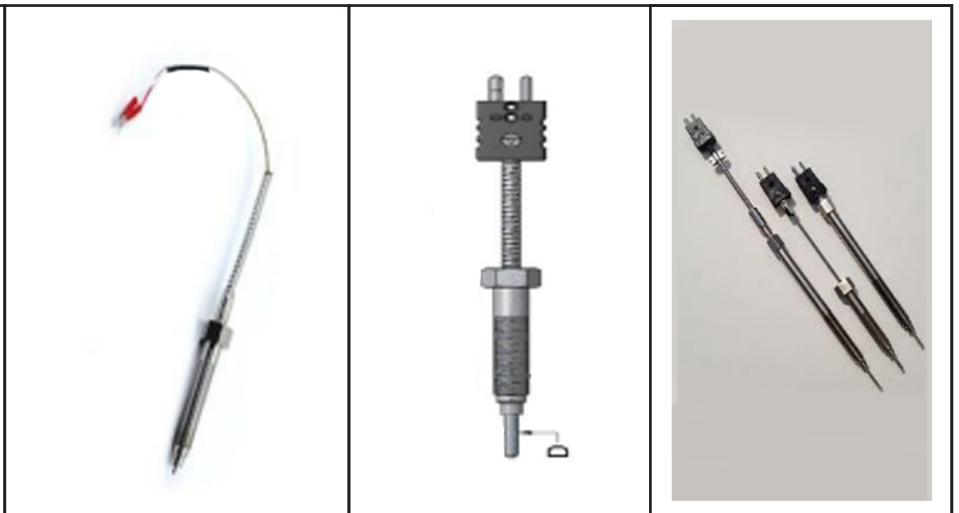
Plastic extrusion is a manufacturing process in which raw material is melted and formed into a continuous profile.

Extrusion produces items such as Pipes ,Tubing, stripping , Railings, window frames, Channels , plastic films sheeting, wire insulation etc



Thermocouples & RTDs

Bolt Type Thermocouples are Designed for direct mounting into extruder barrels, with easy interchangeability. Various lengths & Configurations are available to suit any Application & Location. With the adjustable compression fitting, the sensor can be fixed at any specific length into the process





BLOW MOLDING & PACKAGING PRODUCTS



Blow molding is a process to create hollow objects. In this process heated plastic is blown into a mold cavity to create a hollow object. Plastics are used in packaging applications due to their performance, cost effectiveness, and durability



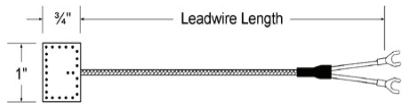


THERMOCOUPLES & RTDS

We Design manufacture several Types of thermocouples & RTDs to the plastics Industry Machines , Such as : Pipe Clamp Thermocouples, Leaf sensors, Washer thermocouples etc .

<p>Pipe Clamp Thermocouple</p> 		<p>Thermocouple is Used to measure the Temperature Outside the Pipe. Pipe clamp designs are effective and do not require - welding, tapping and Threading over the Pipes. Thermocouple attached to stainless steel Worm Gear Hose Clamp Type K & J with stainless steel over braid Extension Cable.</p>
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<p>Ring Type Thermocouples</p> 	<p>RTDs</p> 	<p>Ring Type Thermocouples & RTDs are designed to measure the Surface Temperature of Nozzles, Extruded Barrels, Die Heads & Molds. Extension cables, with Stainless Steel Over Braid. Ring / Washers are SS, Brass & Copper. Type K, J and PT-100 RTDs</p>
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<p>Leaf Thermocouple & RTDs Thermocouples are used to measure the surface temperature underneath heater Bands & Nozzle Heaters. They are very flat & Thin. Type K, J or T, Thermocouples with Grounded junction for fast response . Extension cables, with Stainless Steel Over Braid.</p>		 
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INSTRUMENTATION & ACCSSORIES

THERMOCOUPLE EXTENSION / COMPENSATING & RTD CABLES



Thermocouple Extension / Compensating Cables :
Type K, N, J, E, T, R & S, IEC, B S, ANSI colour codes.



Insulation : FRPVC, PTFET/FET – Teflon, Fibre Glass, SS Braided & Armoured. Fire Retardant.



RTD / Instrumentation Cables : Triad Shielded, Multi Pair Shielded, Copper Conductors, Fire Retardant & Armoured cable.

TEMPERATURE GAUGES

Bi-Metal Gauges: SS Body, Dial 3' , 5" & above... 0 to 600 deg c All Angle Type.

Capillary Gages: Gas Filled 3 meter Capillary length with Bulbs of diffrent lengths. Surface & Panel Mount. With Thermowells & Adaptors.



TEMPERATURE INDICATORS NON CONTACT PYROMETER

PANEL MOUNT

FLAME PROOF

BIG DISPLAY

MULTI CHANNEL

PORTABLE

NON CONTACT PYROMETER



TEMPERATURE CONTROLLER

TEMPERATURE PID CONTROLLER

TEMPERATURE TRANSMITTER

TEMPERATURE SCANNER

CABLES & ACCESSORIES





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