



Minco Products, Inc

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PRODUCTS

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WITH DATASHEETS

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as of 27 August 2026

Minco Products, Inc

Minco Products, Inc. designs and manufactures solutions for heating, flex circuits, temperature sensing, and instrumentation. They offer off-the-shelf products and craft customized solutions in partnership with engineering teams.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

PRODUCTS

Product catalogue



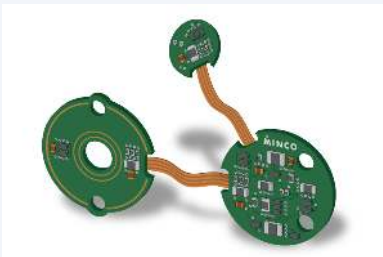
MINCO PRODUCTS, INC

All-Polyimide (KAPTON®) Heaters

Minco's all-polyimide heaters offer a high-performance alternative to standard polyimide flexible heaters, supporting higher temperatures and greater watt densities for demanding a

Maximum operating temperature	260°C
Max. size	560 mm x 1145 mm
Max. resistance density	230 Ω/in²
Temperature range	-200 to 200 °C

[price on request](#) [datasheet](#)



MINCO PRODUCTS, INC

Circuit Assemblies

Minco engineers provide expertise in assembly, testing, and quality assurance for flexible circuit solutions, ensuring high accuracy and fully integrated designs.

[price on request](#)



MINCO PRODUCTS, INC

Controllers

Minco specializes in standard and fully integrated custom control applications that leverage a variety of control methods, with versatile packaging options to meet various size, sh

Operating temperature	-50 to 260 °C
Pressure rating	7000 psi
Insulation resistance	10 megohms min. at 100 VDC
Temperature range	-50...+550 °C
Dimensions	11.0" (279 mm) MAX extension
Connection time constant	23 seconds

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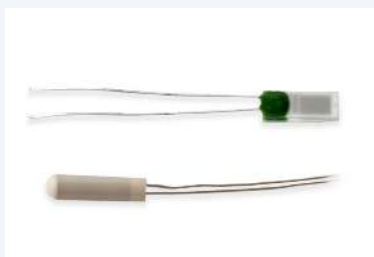


MINCO PRODUCTS, INC

Custom FLEX PCB

Minco's flex circuit design experts can introduce robust features to meet a variety of needs for custom flexible printed circuit boards.

[price on request](#)



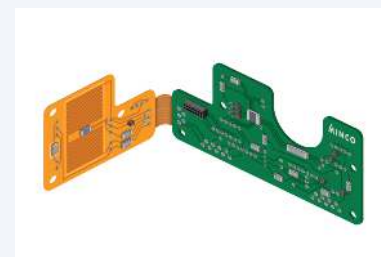
MINCO PRODUCTS, INC

Elements

Wire-wound and thin-film ceramic RTD elements deliver accurate, reliable and repeatable temperature measurement over a wide temperature range.

Temperature range	-50 to 260 °C
Pressure rating	3.4 bar

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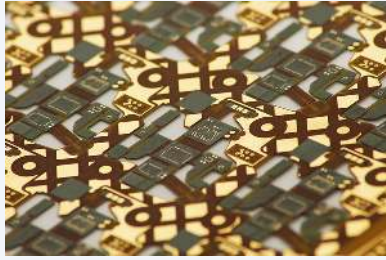
MINCO PRODUCTS, INC

FLEX CIRCUITS

Minco Products offers innovative and precision-engineered flexible printed circuit board (Flex PCB) solutions, designed to reduce weight and cost while improving performance in dem

Circuit substandard panel size	10.5 x 22" max/12 x 24" (267 x 559 mm max./305 x 610 mm), 16.5 x 22" max/18 x 24" (419 x 5
Layers	18 for selected designs
Conductor width/space	0.002" (0.05 mm) minimum / 0.002" (0.05 mm) minimum for thinnest foils
Hole diameter	0.002" (0.05 mm) minimum
Outline dimensions and hole-to-border tolerance	SRD: 0.015" (0.38 mm) + 0.1% linear distance CMD: 0.010" (0.25 mm) + 0.1% linear distance
Laser/Hard tool	0.003" (0.08 mm) + 0.1% linear distance
Hole positional tolerance within a pattern	0.002"

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MINCO PRODUCTS, INC

HIGH DENSITY INTERCONNECT

Minco High Density Interconnect (HDI) flex circuits improve electrical performance and consistency by using vias as small as 50 microns or 9-micron copper to increase density in a

Microvia formation	50 micron
Registration accuracy	±12 micron
Thru-hole plating aspect ratio	12:1
Blind microvia aspect ratio	1:1
Surface and hole thickness uniformity	4% CV
Finished microvia formation	50 micron
Etched feature inspection	45 micron

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MINCO PRODUCTS, INC

Humidity Sensors

Minco humidity sensors deliver reliable, accurate readings across a variety of applications, including those in aerospace and defense.

Operating temperature	-50 to 260°C
Pressure rating	7000 psi (483 bar) at 21°C
Insulation resistance	10 megohms min. at 100 VDC
Time constant (Grounded junction)	17 seconds
Time constant (Ungrounded junction)	22 seconds

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MINCO PRODUCTS, INC

Indicators

Minco offers standard, industrial, and customized indicator displays suited to a variety of application environments, with high accuracy deployment through match calibrating the me

Operating temperature	-50 to 260°C
Pressure rating	7000 psi (483 bar) at 21°C
Insulation resistance	10 megohms min. at 100 VDC
Temperature range	-50 to 260 °C

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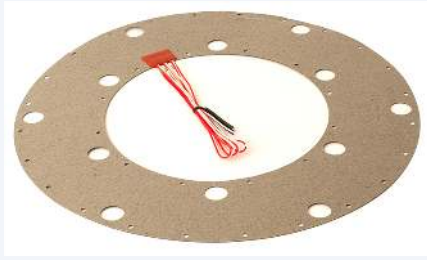
MINCO PRODUCTS, INC

INSTRUMENTS

Minco specializes in standard and custom control, monitor, indication and transmitter instruments designed to deliver accurate and reliable signals across many thermal and sensing

Temperature range	-50 to 260 °C (-58 to 500 °F)
Pressure rating	50 psi (3.4 bar)

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MINCO PRODUCTS, INC

Mica THERMOFOIL TM Heaters

Mica Thermofoil heaters deliver flexible wattage capacity capable of providing uniform heating across a variety of shapes and sizes, ideal for applications requiring fast warmup an

Watt Density	up to 110 W/in ²
Temperature Range	-150°C to 600°C (-238°F to 1112°F)
Max. size	560 mm x 1168 mm
Max. resistance density	3.9 Ω/cm ²

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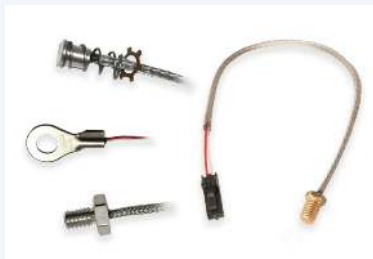
MINCO PRODUCTS, INC

Miniature Flex-coils

Minco flex-coils combine the advantages of antenna coils and flexible circuits in one compact package, offering a lightweight solution protected by polyimide insulation.

Maximum outside dimension (Round)	4.50" (114 mm)
Maximum outside dimension (Rectangular, L)	4.50" (114) max
Maximum outside dimension (Rectangular, W)	5.0" (127 mm)
Minimum center opening (Round)	0.04" (1,0 mm)
Minimum center opening (Rectangular)	0.18" (4,6 mm)
Minimum center opening (Rectangular, L > 0.50")	0.005" (0,13 mm)
Maximum thickness (laminated, polyimide)	0.04" (1,0 mm)

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MINCO PRODUCTS, INC

Miniature Sensors

Minco's miniature temperature sensors are small-profile sensors that save space and weight while providing fast thermal response time and designs suitable for high levels of vibrat

Temperature range	-50 to 260 °C
Pressure rating	50 psi

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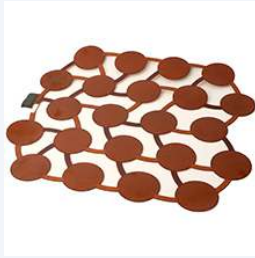


MINCO PRODUCTS, INC

Multi-layer Flex

Minco's multi-layer flex technology allows stacking layers in applications where wire bundles would otherwise consume excessive space.

[price on request](#)



MINCO PRODUCTS, INC

Polyimide (Kapton®) Thermofoil™ Heaters

Flexible polyimide Thermofoil™ heaters offer rugged, reliable performance in a thin, lightweight package, ideal for maximizing thermal transfer when space and weight are limited.

Mass	0.009 oz/in ²
Dimensions	0.010" (0.25 mm) thick over the element

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MINCO PRODUCTS, INC

Probes & Probe Assemblies

Minco's advanced temperature probe sensor technology comes in multiple standard and custom-engineered configurations to meet diverse requirements for aerospace and other demanding

Temperature range	-50 to 260 °C
Pressure rating	3.4 bar

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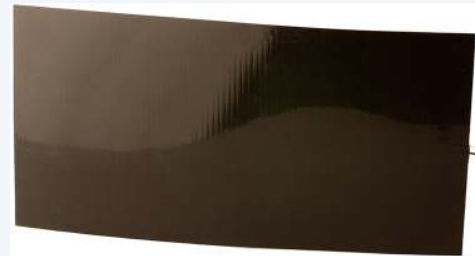
MINCO PRODUCTS, INC

Process Monitors & Alarms

Minco's Process Monitors & Alarms are crucial for temperature monitoring applications, enabling data logging for analysis and ensuring proper temperature maintenance in various

Operating temperature	-50 to 260 °C
Pressure rating	7000 psi (483 bar) at 21°C, reducing to 6300 psi (433 bar) at 260°C
Insulation resistance	10 megohms min. at 100 VDC
Temperature range	-50 to 260 °C

[price on request](#) [datasheet](#)



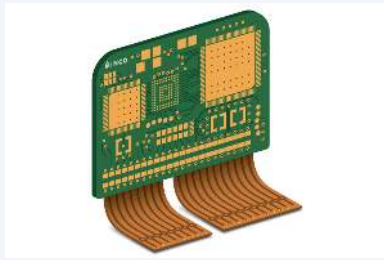
MINCO PRODUCTS, INC

PTFE (Teflon) Heaters

Minco's PTFE (Teflon) heaters provide clean, non-stick thermal transfer designed to withstand tough applications, including those in aerospace and medical equipment.

Operating temperature	-200 to 150°C
Maximum size	10"×40"
Heater thickness Over element	0.060"
Heater thickness Over leadwire terminations	0.150"
Dielectric strength	1000 VRMS at 60 Hz for 1 minute
Weight	8 oz. per square foot

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MINCO PRODUCTS, INC

RIGID FLEX PCB

Minco's rigid flex circuits combine flexible and rigid board technologies to create compact, robust circuit solutions for demanding applications.

[price on request](#)



MINCO PRODUCTS, INC

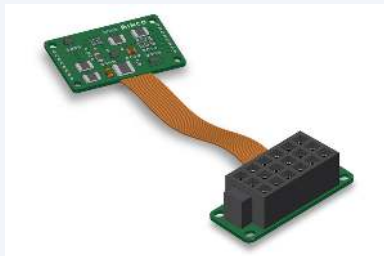
Silicone Rubber Heaters

Minco's flexible silicone rubber heaters are designed for large-size, industrial applications requiring precise, reliable thermal transfer and excellent abrasion resistance in rugged environments.

Operating temperature	-45 to 235 °C
Max. size	560 mm x 2285 mm
Max. resistance density	31 Ω/cm^2
Insulation	Silicone Rubber

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[datasheet](#)



MINCO PRODUCTS, INC

SINGLE- AND DOUBLE-LAYER FLEX

Minco's single and double-layer flex circuits are designed to reduce weight and cost while improving performance in demanding applications.

[price on request](#)



MINCO PRODUCTS, INC

SmartHeat™ SLT Thin-Film Heaters

SmartHeat SLT uses a patented polymer compound to produce a thin film heater that controls temperature without the need for external sensors or controllers, ideal for critical temperature applications.

Temperature range	-45°C (-49°F) to 100°C (212°F)
Set point range	10°C (50°F) to 70°C (158°F)

[price on request](#)

[datasheet](#)



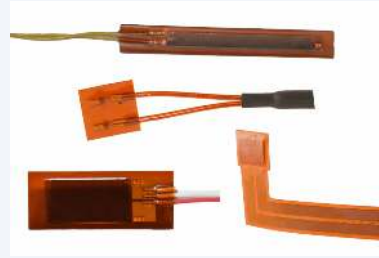
MINCO PRODUCTS, INC

Stator Sensors

Flat, laminated stator RTDs from Minco deliver accurate temperature measurement between stator windings to prevent motor overheating in demanding applications.

Operating temperature	-50 to 260°C (-58 to 500°F)
Pressure rating	7000 psi (483 bar) at 21°C, reducing to 6300 psi (433 bar) at 260°C
Insulation resistance	10 megohms min. at 100 VDC
Time constant	17 seconds (Grounded junction), 22 seconds (Ungrounded junction)

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MINCO PRODUCTS, INC

Surface Sensors

Minco's Thermal-Ribbon™ sensors are thin, flexible RTDs and thermocouples designed for surface or pressure sensitive adhesive mounting, offering non-invasive and rapid tracking of

Temperature range	-50 to 260 °C
Pressure rating	3.4 bar

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MINCO PRODUCTS, INC

Temperature Sensors

Minco offers a wide range of standard and custom-engineered temperature sensors for reliable, accurate, and cost-effective temperature measurement across various specialized uses,

Thermocouples Temperature Range	-200°C to 2300°C
RTDs Temperature Range	-200°C to 850°C (industrial grade Pt), up to 962°C (laboratory grade Pt)
Thermistors Temperature Range	-80°C to 300°C
Thermocouples Accuracy	Fair
RTDs Accuracy	Good
Thermistors Accuracy	Good to excellent over limited temperature range
Thermocouples Sensitivity	Low

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MINCO PRODUCTS, INC

Thermal-Clear TM Transparent Heaters

Thermal-Clear heaters provide an accurate, reliable heat source without blocking light, ideal for high visibility use cases in aerospace and other demanding applications.

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MINCO PRODUCTS, INC

Transmitters

Minco RTD and Thermocouple Temptran™ Transmitters provide reliable two-way communication to critical systems, delivering accurate signals over thousands of feet.

Accuracy	0.1% at 0 °C
Temperature range	-50 to 260 °C
Pressure rating	50 psi

price on request

[datasheet](#)

Contact Minco Products, Inc

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

<https://newspacemarket.com/companies/minco-products-inc/>

<https://www.minco.com/>

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