


Precision Electrical Heating



Cynebars' role is to listen, assess and construct the best answer to your needs. Our ongoing success ultimately comes from a desire to work with our clients in strong partnerships towards solutions. We seek active, vigorous business relationships as we constantly strive to improve total outcomes.

Our Customers

In any business the most important single factor is the customer. At Cynebar we realize it is only through answering your questions and solving your heating problems that we all gain a sense of satisfaction and pleasure from doing a job well.

Design Expertise

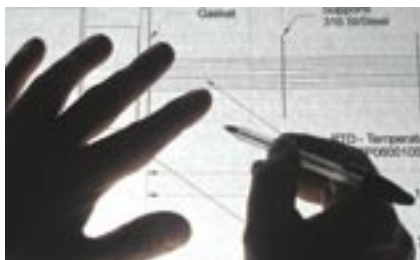
Understanding and satisfying total job requirements can be very complex. Many stages might be necessary between the first contact and completion. Our qualified engineering team is vastly experienced across many different industries and applications. Whether a single element, or complex heating project, the challenge we set ourselves is to use best engineering and manufacturing practice when identifying your optimal solution.



Site Surveys & Plant

Often the best way to understand a job is by doing on-site checks confirming a wide range of issues such as drawing details, clearances and actual heat loss factors. These surveys are a normal part

of complex jobs to access potential issues. They are also a great aid when the level of information available from an existing application or process is inadequate.



Engineering, Design & Documentation

Cynebar offer a complete heat engineering package. We will calculate, design and document the particular solution to your needs. Introductory application assistance, expert technical

advice, and after sales service illustrates our belief in engineering sales support as an integral aspect of total customer satisfaction.



Manufacturing & Distribution

Centrally located in Bowen Hills just four kilometers north of the Brisbane CBD. Convenient to major highways, rail, the International Airport and Port of Brisbane we are able to quickly service all our

customers throughout Queensland, Australia and overseas from our factory and warehouse facility.



Installation, Commissioning & Inspection

Our customer focus has caused us to evolve into a company that will handle all aspects of a heating project. We manage and coordinate the heating and control system supply, installation

and commissioning. Pre-planned site inspections are undertaken as part of a maintenance régime.

Electric Heating is used in a wide range of applications. Our classifications shown below should be seen as a stepping stone to your heating solution, not a rigid pathway.

Tubular & Process Heating



Whether the application is basic or advanced, the solution is often a tubular element. Versatility & adaptability has made the metal-sheathed tubular element the preferred heat source in tens of thousands of different applications. Easily bent into shape with different sheath materials for difficult environments and many mounting hardware possibilities our usage is primarily limited by the imagination.

Applications

- Gas, Liquids & Solids Heating
- Tank, Circulation & Inline Heating
- Hospitality & Catering Equipment
- Molds, Dies & Platens
- Hot Plates & Sealing Equipment

Band, Plate & Strip Heaters



Even and fast heat (plus good temperature control) result when using this large heater family. Whether using mica strip or ceramic bracelet insulation these heaters are versatile and economical. Excellent thermal conduction offers precise process heating. Temperature capabilities up to 850°C allow both for fast cycle times and the most advanced engineering resins to be molded.

Applications

- Plastic Extrusion & Injection Molding
- Blown Film Extrusion
- Pipe Heating
- Heat Treating
- Hot Plates & Sealing Equipment

Cartridge Heaters



Precision engineering allows more power per square meter than any other metal-sheathed element. Used in accurately reamed holes, efficient energy conduction into the work piece ensures optimum heat transfer, fastest heat recovery and reliability in adverse operating conditions. Special lead configurations offer greater flexibility, strength & protection against vibration, movement and contaminants.

Applications

- Plastics Processing & Injection Mold Dies
- Platens & Hot Plates
- Packaging Machinery, Glue Pots, End & Seam Sealing
- Medical, Scientific & Laboratory Equipment
- Fluids Heating

Trace Heating



Products flowing through pipelines, or stored in vessels, often benefit from trace heaters' smooth and precise energy. Easy installation, durability and minimal maintenance are some advantages over traditional steam heating. Constant Wattage, Self-Regulating, and Mineral Insulated; each has its' special characteristics and optimal applications.

Applications

- High Temperature Pipelines
- Refrigeration Door Heaters
- Underfloor Heating
- Seedling Propagation
- Blast Freezers, Frost Heave, Ramps

Drum Heaters



A flexible silicone drum heater for the occasional cold winter day? A temperature controlled room for pallets of drums when production is key?

Generally used in lower temperature ranges to improve flow rate and recovery percentage from viscous products they can also elevate product temperatures. Gentle enough not to damage and powerful enough to do the job .

Applications

- Resins & Waxes
- Greases & Lubricants
- Palm & Coconut Oils, Animal Fats
- Honey, Molasses & Syrups
- Chemicals & Adhesives

Flexible Heaters



Flexible heaters are thin (0.5 – 1.5mm), formable and able to be designed to fit your equipments' requirements. The thin section and direct bonding to the work piece offer rapid heat transfer, accurate temperature control and even heat distribution. Standard sizes are available for most needs but complex shapes are possible without any loss of efficiency or durability.

Applications

- Food Service Equipment
- Curing of Laminates
- Laboratory Equipment
- Pipes, Tanks or Vessels
- Anything needing a flexible shape or design

Ceramic Infra Red Heaters



A capacity to control both heater power and wavelength to create ideal heating conditions make these the perfect solution for many situations. Every application can be optimised because all Cynebar Ceramic IR Heaters come with integral Type 'K' thermocouples. Available in a range of shapes, sizes and wattages to suit your needs.

Applications

- Radiant & Space Heating
- Vacuum Thermoforming
- Screen Printing, Powder Coating
- Dry/Activate/Cure Paints, Inks, Adhesives & Glazes
- Water Evaporation

Open Spiral Heaters



Helical-coiled Spirals capable of working temperatures to 1400°C. Suitable for most gaseous atmospheres. Alloys have been developed to give power & temperature in demanding situations while maintaining the durability & robustness critical for continuous operation in both heavy industrial situations and also commercial & domestic space/room heating.

Applications

- Pottery Kilns
- Glass Slumping & Laboratory Furnaces
- Acrylic Sheet Vacuum Thermoforming
- Silica Glass Room Heaters
- Metal Melting & Conditioning Furnaces

Resistance Wires



Whether round, flat or profiled, resistance wires have been a staple product in the plastic film packaging and polystyrene industries over many years. It's excellent capacity to seal & cut without mess and comparatively low setup and running costs makes it the preferred method in most low to medium volume applications.

Applications

- Packaging Machinery
- Sealing Bar Ribbon Wires
- Plastic & Foam Cutting 'Hot Wires'
- School Experiments
- Set Design in Movies & Theatre

Cynebar is constantly expanding its range and improving performance. Within this environment we see our role as to lead, innovate and implement improvements. We will always seek out and offer the best solution for our customers.

Temperature Control



Whether bimetallic thermostats or advanced multi-loop, PID controllers, optimal performance of the heating process occurs when the appropriate control package is installed to control and monitor the elements. A complete range of thermocouples, RTDs and components is also available.

Applications

- Ovens, Furnaces & Kilns
- Plastics Machinery
- Pipelines
- Tanks,
- Infrared Non-Contact

Dehumidifiers



Whenever condensation is a problem our Dehumidifier can help. Plug it in and forget it. Combat excess moisture, remove musty smells or protect expensive equipment without needing refills or water trays. This inexpensive, robust and proven product runs for many years at the same cost as a small light bulb.

Applications

- Anti-mildew for Clothes & Shoes
- Photocopy Paper Cabinets
- Electrical Switchboard Heating
- Photograph Protection
- Comfort Heating of Reptiles

Resistors & Loadbanks



From 0.5 watt to megawatts; performance, durability and quality are the hallmarks of our resistors & load banks. We have specialized in manufacturing high accuracy wire-wound power resistors and resistive element 'dummy' loads for over 60 years. Covering the gambit; fixed or variable type, NER or Continuous usage, single or multistage switching, weatherproof, fan-cooled, meters, transportable.

Applications

- Fan & Motor Speed Control
- VSD Braking Overloads
- Standby Power Generator Loading & Testing
- UPS & Battery Discharge Testing
- Regenerative & Braking Load Discharge

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