Asia ADC Offers Technical and Application Support

The ADC is located in Watlow’s Singapore facility and will house technical experts that are available to customers. Capabilities include the following Watlow product lines: tubular heaters, cartridge heaters, flexible heaters, sensors and even sublimation systems. By offering these products, the ADC can help guide the current product selection, assist in the capture of product requirements, share product specifications and performance data and offer other general technical support for all of Watlow’s products.

Watlow Products and Technical Support Delivered Worldwide

Asian Technical Support & Sales Offices
Australia: +61-3-9230-6400
China: +86-21-5600-1601
Japan: +81-3-5600-0201
Korea: +82-2-966-0661
Malaysia: +60-3-7980-5511
Singapore: +65-6773-9469
Taiwan: +886-7-268-0141

European Technical Support & Sales Offices
France: +33 (0) 795-59-2005
Italy: +39 (0) 2-953-25-9990
Sweden: +46 35 27 17 86
United Kingdom: +44 (0) 115-964-0777
Spain: +34 91 675 12 92

Latin American Technical Support & Sales Office
Mexico: +52-442-217-6235

North American Technical Support & Sales Offices
Watlow Electric Manufacturing Company (Headquarters)
12001 Lackland Road
St. Louis, MO 63146 USA
Phone: +1-314-878-4600
Fax: +1-314-878-6814
Web site: www.watlow.com

Which Watlow Products are Manufactured in China?
Watlow’s WATROD round tubular heating elements and FIREBAR® flat tubular heating elements are currently being manufactured in China. These products are designed primarily for direct immersion in liquids such as water, oil, lubricants and process solutions. They are also ideal for applications that require uniform and gentle heating. By generating all the heat within the liquid in process, these heaters are virtually 100 percent energy efficient. These versatile heaters can also be formed and shaped into various geometries for radiant heating and contact surface heating applications.

Tubular Heating Applications
- Food/beverage equipment
- Plastic processing
- Telecommunication
- Medical equipment
- Analytical instrumentation
- Power generation
- Semiconductor processing

Engineering Excellence

Watlow’s Heating Solutions for Your Applications
At Watlow, quality means producing a single component, or an entire thermal system, that matches or exceeds customer expectations. Watlow holds several international certifications and qualifications for manufacturing heating elements. Before the products are shipped, they are all tested in-house. In addition, many Watlow facilities have laboratories providing additional prototype testing and quality certification for a customer’s specific application. Our certification processes can verify your finished product is built to specifications set forth by the world’s leading standards agencies. At Watlow, we recognize becoming your preferred source involves more than just recommending, designing and manufacturing the right product. It means having the right product at the right place at the right time.

We also react quickly to custom orders and requests for product prototypes. Our business approach is to maintain flexible manufacturing capabilities to meet your unique needs.

Watlow’s Committed to Best Business Practices

At Watlow, we aim to lead by example. We set high standards for our people at all levels and strive to consistently meet them. We are guided by our standards of corporate governance and ethics, and we review our systems to ensure we achieve international best practices. These practices and behaviors give us the tools to help our customers, our team members and surrounding communities to be their best.

Why Watlow Tubular Heaters?

Performance capabilities
- Sheath temperatures up to 871°C (1600°F)
- Assembly wattages to 2.2 megawatts
- Watt densities up to 18.6 W/cm² (120 W/in²)

Features and Benefits
Over 30 standard bend formations
- Enables the designing of the heating element around available space to maximize heating efficiencies

FIREBAR® Flat surface technology
- Enhances heat transfer in immersion, air and surface heating applications
- Increases the surface area per linear inch

Available heaters to run cooler in viscous materials

Watlow’s Commitment to Product Quality and Delivery

At Watlow, quality means producing a single component, or an entire thermal system, that matches or exceeds customer expectations. Watlow holds several international certifications and qualifications for manufacturing heating elements. Before the products are shipped, they are all tested in-house. In addition, many Watlow facilities have laboratories providing additional prototype testing and quality certifications for a customer’s specific application. Our certification processes can verify your finished product is built to specifications set forth by the world’s leading standards agencies.

At Watlow, we recognize becoming your preferred source involves more than just recommending, designing and manufacturing the right product. It means having the right product at the right place at the right time. We also react quickly to custom orders and requests for product prototypes. Our business approach is to maintain flexible manufacturing capabilities to meet your unique needs.

Watlow’s Committed to Best Business Practices

At Watlow, we aim to lead by example. We set high standards for our people at all levels and strive to consistently meet them. We are guided by our standards of corporate governance and ethics, and we review our systems to ensure we achieve international best practices. These practices and behaviors give us the tools to help our customers, our team members and surrounding communities to be their best.

Watlow’s Commitment to Product Quality and Delivery

At Watlow, quality means producing a single component, or an entire thermal system, that matches or exceeds customer expectations. Watlow holds several international certifications and qualifications for manufacturing heating elements. Before the products are shipped, they are all tested in-house. In addition, many Watlow facilities have laboratories providing additional prototype testing and quality certifications for a customer’s specific application. Our certification processes can verify your finished product is built to specifications set forth by the world’s leading standards agencies.

At Watlow, we recognize becoming your preferred source involves more than just recommending, designing and manufacturing the right product. It means having the right product at the right place at the right time. We also react quickly to custom orders and requests for product prototypes. Our business approach is to maintain flexible manufacturing capabilities to meet your unique needs.

Watlow’s Committed to Best Business Practices

At Watlow, we aim to lead by example. We set high standards for our people at all levels and strive to consistently meet them. We are guided by our standards of corporate governance and ethics, and we review our systems to ensure we achieve international best practices. These practices and behaviors give us the tools to help our customers, our team members and surrounding communities to be their best.

Watlow’s Commitment to Product Quality and Delivery

At Watlow, quality means producing a single component, or an entire thermal system, that matches or exceeds customer expectations. Watlow holds several international certifications and qualifications for manufacturing heating elements. Before the products are shipped, they are all tested in-house. In addition, many Watlow facilities have laboratories providing additional prototype testing and quality certifications for a customer’s specific application. Our certification processes can verify your finished product is built to specifications set forth by the world’s leading standards agencies.

At Watlow, we recognize becoming your preferred source involves more than just recommending, designing and manufacturing the right product. It means having the right product at the right place at the right time. We also react quickly to custom orders and requests for product prototypes. Our business approach is to maintain flexible manufacturing capabilities to meet your unique needs.

Watlow’s Committed to Best Business Practices

At Watlow, we aim to lead by example. We set high standards for our people at all levels and strive to consistently meet them. We are guided by our standards of corporate governance and ethics, and we review our systems to ensure we achieve international best practices. These practices and behaviors give us the tools to help our customers, our team members and surrounding communities to be their best.

Watlow’s Commitment to Product Quality and Delivery

At Watlow, quality means producing a single component, or an entire thermal system, that matches or exceeds customer expectations. Watlow holds several international certifications and qualifications for manufacturing heating elements. Before the products are shipped, they are all tested in-house. In addition, many Watlow facilities have laboratories providing additional prototype testing and quality certifications for a customer’s specific application. Our certification processes can verify your finished product is built to specifications set forth by the world’s leading standards agencies.

At Watlow, we recognize becoming your preferred source involves more than just recommending, designing and manufacturing the right product. It means having the right product at the right place at the right time. We also react quickly to custom orders and requests for product prototypes. Our business approach is to maintain flexible manufacturing capabilities to meet your unique needs.

Watlow’s Committed to Best Business Practices

At Watlow, we aim to lead by example. We set high standards for our people at all levels and strive to consistently meet them. We are guided by our standards of corporate governance and ethics, and we review our systems to ensure we achieve international best practices. These practices and behaviors give us the tools to help our customers, our team members and surrounding communities to be their best.

Watlow’s Commitment to Product Quality and Delivery

At Watlow, quality means producing a single component, or an entire thermal system, that matches or exceeds customer expectations. Watlow holds several international certifications and qualifications for manufacturing heating elements. Before the products are shipped, they are all tested in-house. In addition, many Watlow facilities have laboratories providing additional prototype testing and quality certifications for a customer’s specific application. Our certification processes can verify your finished product is built to specifications set forth by the world’s leading standards agencies.

At Watlow, we recognize becoming your preferred source involves more than just recommending, designing and manufacturing the right product. It means having the right product at the right place at the right time. We also react quickly to custom orders and requests for product prototypes. Our business approach is to maintain flexible manufacturing capabilities to meet your unique needs.

Watlow’s Committed to Best Business Practices

At Watlow, we aim to lead by example. We set high standards for our people at all levels and strive to consistently meet them. We are guided by our standards of corporate governance and ethics, and we review our systems to ensure we achieve international best practices. These practices and behaviors give us the tools to help our customers, our team members and surrounding communities to be their best.

Watlow’s Commitment to Product Quality and Delivery

At Watlow, quality means producing a single component, or an entire thermal system, that matches or exceeds customer expectations. Watlow holds several international certifications and qualifications for manufacturing heating elements. Before the products are shipped, they are all tested in-house. In addition, many Watlow facilities have laboratories providing additional prototype testing and quality certifications for a customer’s specific application. Our certification processes can verify your finished product is built to specifications set forth by the world’s leading standards agencies.

At Watlow, we recognize becoming your preferred source involves more than just recommending, designing and manufacturing the right product. It means having the right product at the right place at the right time. We also react quickly to custom orders and requests for product prototypes. Our business approach is to maintain flexible manufacturing capabilities to meet your unique needs.

Watlow’s Committed to Best Business Practices

At Watlow, we aim to lead by example. We set high standards for our people at all levels and strive to consistently meet them. We are guided by our standards of corporate governance and ethics, and we review our systems to ensure we achieve international best practices. These practices and behaviors give us the tools to help our customers, our team members and surrounding communities to be their best.
Watlow’s Commitment to Product Quality and Delivery

At Watlow, quality means producing a single component, or an entire thermal system, that matches or exceeds customer expectations. Watlow holds several international certifications and qualifications for manufacturing heating elements. Before the products are shipped, they are all tested in-house. In addition, many Watlow facilities have laboratories providing additional prototype testing and quality certification for a customer’s specific application. Our certification processes can verify your finished product is built to specifications set forth by the world’s leading standards agencies.

At Watlow, we recognize becoming your preferred source involves more than recommending, designing and manufacturing the right product. It means having the right product at the right place at the right time. We also react quickly to custom orders and requests for product prototypes. Our business approach is to maintain flexible manufacturing capabilities to meet your unique needs.

Watlow’s Committed to Best Business Practices

At Watlow, we aim to lead by example. We set high standards for our people at all levels and strive to consistently meet them. We are guided by our standards of corporate governance and ethics, and we review our systems to ensure we achieve international best practices. These practices and behaviors give us the tools to help our customers, our team members and surrounding communities to be their best.

A Tradition of Engineering Excellence

Watlow Electric Manufacturing Company (Watlow) designs and manufactures industrial heaters, temperature sensors and controls—all of the components of a thermal system. Designing and manufacturing the complete thermal system allows Watlow to recommend, develop and define the optimum thermal solution for our customers’ equipment and process heat requirements.

Watlow manufactures thermal systems for a broad range of industries including but not limited to: semiconductor processing, power generation, life sciences, packaging, foodservice equipment and plastics processing. Watlow customers receive the highest level of technical engineering combined with exceptional customer service.

Since 1922, Watlow has grown in product capability, market experience and global reach. Watlow employs more than 2,200 employees working in 12 manufacturing facilities in the United States, Mexico, Europe and Asia. We also have sales offices in 17 countries around the world. Our company has grown at an exponential rate but our commitment remains the same—to provide our customers with superior products and services for their individual needs.

The Start of a New Tradition

In late 2006, Watlow opened a brand-new, 8000 square meters manufacturing facility in Shanghai, China, which increases Watlow’s ability to better serve the Asian market. The facility will use the same manufacturing processes as other Watlow facilities in the United States, Asia and Europe and will be supported by an Asia Application and Design Center (ADC). The primary purpose of the facility is to respond to customers’ needs in Asia in a timely manner. Watlow will also use the facility to supply high volume products to customers in the United States.

Why Watlow Tubular Heaters?

Performance capabilities
- Sheath temperatures up to 871°C (1600°F)
- Assembly wattages to 2.2 megawatts
- Watt densities up to 18.6 W/cm² (120 W/in²)

Features and Benefits

Over 30 standard bend formations
- Enables the designing of the heating element around available space to maximize heating efficiencies

FIREBAR® Flat surface technology
- Enhances heat transfer in immersion, air and surface heating applications
- Increases the surface area per linear inch

Tubular Heater Specifications

<table>
<thead>
<tr>
<th>Products</th>
<th>Available Sheath Diameters</th>
<th>Sheath Materials</th>
<th>Maximum Sheath Temperature</th>
<th>Typical Maximum Watt Density*</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATROD Tubular</td>
<td>2 in. (50.8 mm)</td>
<td>Incoloy®</td>
<td>800°C (1472°F)</td>
<td>To 18.6 W/cm² (120 W/in²), dependent on the sheath material, watt density and heater application</td>
</tr>
<tr>
<td></td>
<td>1.5 in. (38.1 mm)</td>
<td>Incoloy®</td>
<td>730°C (1346°F)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.25 in. (31.8 mm)</td>
<td>Copper coated steel</td>
<td>650°C (1202°F)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 in. (25.4 mm)</td>
<td>Copper</td>
<td>450°C (842°F)</td>
<td></td>
</tr>
<tr>
<td>FIREBAR® Flat-Tubular</td>
<td>1 in. (25.4 mm)</td>
<td>304SS</td>
<td>650°C (1202°F)</td>
<td>To 14 W/cm² (90 W/in²)</td>
</tr>
<tr>
<td></td>
<td>1.25 in. (31.8 mm)</td>
<td>304SS</td>
<td>650°C (1202°F)</td>
<td></td>
</tr>
</tbody>
</table>

*Incoloy® is a registered trademark of Special Metals Corporation.

Why Watlow Tubular Heaters?

Performance capabilities
- Sheath temperatures up to 871°C (1600°F)
- Assembly wattages to 2.2 megawatts
- Watt densities up to 18.6 W/cm² (120 W/in²)

Features and Benefits

Over 30 standard bend formations
- Enables the designing of the heating element around available space to maximize heating efficiencies

FIREBAR® Flat surface technology
- Enhances heat transfer in immersion, air and surface heating applications
- Increases the surface area per linear inch

Tubular Heater Specifications

<table>
<thead>
<tr>
<th>Products</th>
<th>Available Sheath Diameters</th>
<th>Sheath Materials</th>
<th>Maximum Sheath Temperature</th>
<th>Typical Maximum Watt Density*</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATROD Tubular</td>
<td>2 in. (50.8 mm)</td>
<td>Incoloy®</td>
<td>800°C (1472°F)</td>
<td>To 18.6 W/cm² (120 W/in²), dependent on the sheath material, watt density and heater application</td>
</tr>
<tr>
<td></td>
<td>1.5 in. (38.1 mm)</td>
<td>Incoloy®</td>
<td>730°C (1346°F)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.25 in. (31.8 mm)</td>
<td>Copper coated steel</td>
<td>650°C (1202°F)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 in. (25.4 mm)</td>
<td>Copper</td>
<td>450°C (842°F)</td>
<td></td>
</tr>
<tr>
<td>FIREBAR® Flat-Tubular</td>
<td>1 in. (25.4 mm)</td>
<td>304SS</td>
<td>650°C (1202°F)</td>
<td>To 14 W/cm² (90 W/in²)</td>
</tr>
<tr>
<td></td>
<td>1.25 in. (31.8 mm)</td>
<td>304SS</td>
<td>650°C (1202°F)</td>
<td></td>
</tr>
</tbody>
</table>

*Incoloy® is a registered trademark of Special Metals Corporation.
Watlow’s Commitment to Product Quality and Delivery

At Watlow, quality means producing a single component, or an entire thermal system, that matches or exceeds customer expectations. Watlow holds several international certifications and qualifications for manufacturing heating elements. Before the products are shipped, they are all tested in-house. In addition, many Watlow facilities have laboratories providing additional prototype testing and quality certification for a customer’s specific application. Our certification processes can verify your finished product is built to specifications set forth by the world’s leading standards agencies.

At Watlow, we recognize becoming your preferred source involves more than just recommending, designing and manufacturing the right product. It means having the right product at the right place at the right time.

We also react quickly to custom orders and requests for product prototypes. Our business approach is to maintain flexible manufacturing capabilities to meet your unique needs.

Watlow’s Committed to Best Business Practices

At Watlow, we aim to lead by example. We set high standards for our people at all levels and strive to consistently meet them. We are guided by our standards of corporate governance and ethics, and we review our systems to ensure we achieve international best practices. These practices and behaviors give us the tools to help our customers, our team members and surrounding communities to be their best.

The Start of a New Tradition

In late 2006, Watlow opened a brand-new, 8000 square meters manufacturing facility in Shanghai, China, which increases Watlow’s ability to better serve the Asian market. The facility will use the same manufacturing processes as other Watlow facilities in the United States, Asia and Europe and will be supported by an Asia Application and Design Center (ADC). The primary purpose of the facility is to respond to customers’ needs in Asia in a timely manner. Watlow will also use the facility to supply high volume products to customers in the United States.

Watlow Electric Manufacturing Company (Watlow) designs and manufactures industrial heating, temperature sensors and controllers—all of the components of a thermal system. Designing and manufacturing the complete thermal system allows Watlow to recommend, develop and deliver the optimum thermal solution for our customers’ equipment and process heat requirements.

Watlow manufactures thermal systems for a broad range of industries including but not limited to semiconductor processing, power generation, life sciences, packaging, foodservice equipment and plastics processing. Watlow customers receive the highest level of technical engineering combined with exceptional customer service.

Since 1922, Watlow has grown in product capability, market experience and global reach. Watlow employs more than 2,200 employees working in 13 manufacturing facilities in the United States, Mexico, Europe and Asia. We also have sales offices in 17 countries around the world. Our company has grown at an exponential rate but our commitment remains the same—to provide our customers with superior products and services for their individual needs.

The Tradition of Engineering Excellence

Watlow Electric Manufacturing Company (Watlow) designs and manufactures industrial heaters, temperature sensors and controllers—all of the components of a thermal system. Designing and manufacturing the complete thermal system allows Watlow to recommend, develop and deliver the optimum thermal solution for our customers’ equipment and process heat requirements.

Watlow manufactures thermal systems for a broad range of industries including but not limited to semiconductor processing, power generation, life sciences, packaging, foodservice equipment and plastics processing. Watlow customers receive the highest level of technical engineering combined with exceptional customer service.

Since 1922, Watlow has grown in product capability, market experience and global reach. Watlow employs more than 2,200 employees working in 13 manufacturing facilities in the United States, Mexico, Europe and Asia. We also have sales offices in 17 countries around the world. Our company has grown at an exponential rate but our commitment remains the same—to provide our customers with superior products and services for their individual needs.

The Start of a New Tradition

In late 2006, Watlow opened a brand-new, 8000 square meters manufacturing facility in Shanghai, China, which increases Watlow’s ability to better serve the Asian market. The facility will use the same manufacturing processes as other Watlow facilities in the United States, Asia and Europe and will be supported by an Asia Application and Design Center (ADC). The primary purpose of the facility is to respond to customers’ needs in Asia in a timely manner. Watlow will also use the facility to supply high volume products to customers in the United States.

Watlow Electric Manufacturing Company (Watlow) designs and manufactures industrial heaters, temperature sensors and controllers—all of the components of a thermal system. Designing and manufacturing the complete thermal system allows Watlow to recommend, develop and deliver the optimum thermal solution for our customers’ equipment and process heat requirements.

Watlow manufactures thermal systems for a broad range of industries including but not limited to semiconductor processing, power generation, life sciences, packaging, foodservice equipment and plastics processing. Watlow customers receive the highest level of technical engineering combined with exceptional customer service.

Since 1922, Watlow has grown in product capability, market experience and global reach. Watlow employs more than 2,200 employees working in 13 manufacturing facilities in the United States, Mexico, Europe and Asia. We also have sales offices in 17 countries around the world. Our company has grown at an exponential rate but our commitment remains the same—to provide our customers with superior products and services for their individual needs.

The Start of a New Tradition

In late 2006, Watlow opened a brand-new, 8000 square meters manufacturing facility in Shanghai, China, which increases Watlow’s ability to better serve the Asian market. The facility will use the same manufacturing processes as other Watlow facilities in the United States, Asia and Europe and will be supported by an Asia Application and Design Center (ADC). The primary purpose of the facility is to respond to customers’ needs in Asia in a timely manner. Watlow will also use the facility to supply high volume products to customers in the United States.

Watlow Electric Manufacturing Company (Watlow) designs and manufactures industrial heaters, temperature sensors and controllers—all of the components of a thermal system. Designing and manufacturing the complete thermal system allows Watlow to recommend, develop and deliver the optimum thermal solution for our customers’ equipment and process heat requirements.

Watlow manufactures thermal systems for a broad range of industries including but not limited to semiconductor processing, power generation, life sciences, packaging, foodservice equipment and plastics processing. Watlow customers receive the highest level of technical engineering combined with exceptional customer service.

Since 1922, Watlow has grown in product capability, market experience and global reach. Watlow employs more than 2,200 employees working in 13 manufacturing facilities in the United States, Mexico, Europe and Asia. We also have sales offices in 17 countries around the world. Our company has grown at an exponential rate but our commitment remains the same—to provide our customers with superior products and services for their individual needs.

The Start of a New Tradition

In late 2006, Watlow opened a brand-new, 8000 square meters manufacturing facility in Shanghai, China, which increases Watlow’s ability to better serve the Asian market. The facility will use the same manufacturing processes as other Watlow facilities in the United States, Asia and Europe and will be supported by an Asia Application and Design Center (ADC). The primary purpose of the facility is to respond to customers’ needs in Asia in a timely manner. Watlow will also use the facility to supply high volume products to customers in the United States.

Watlow Electric Manufacturing Company (Watlow) designs and manufactures industrial heaters, temperature sensors and controllers—all of the components of a thermal system. Designing and manufacturing the complete thermal system allows Watlow to recommend, develop and deliver the optimum thermal solution for our customers’ equipment and process heat requirements.

Watlow manufactures thermal systems for a broad range of industries including but not limited to semiconductor processing, power generation, life sciences, packaging, foodservice equipment and plastics processing. Watlow customers receive the highest level of technical engineering combined with exceptional customer service.

Since 1922, Watlow has grown in product capability, market experience and global reach. Watlow employs more than 2,200 employees working in 13 manufacturing facilities in the United States, Mexico, Europe and Asia. We also have sales offices in 17 countries around the world. Our company has grown at an exponential rate but our commitment remains the same—to provide our customers with superior products and services for their individual needs.
Asian Technical Support & Sales Offices

Australia
- +61 3 9628 6400
- +61 3 9628 6401

China
- +86 21 3860 8911

Japan
- +81 3 5211 8901

Korea
- +82 2 937 0645

Malaysia
- +60 3 7360 7711

Shanghai
- +86 21 3860 8835

Singapore
- +65 6773 9469

Taiwan
- +886 7 288 5168

European Technical Support & Sales Offices

France
- +33 (0) 79 05 89 01

Italy
- +39 02 749 12 077

Sweden
- +46 3 351 86 61

United Kingdom
- +44 13 949 13 177

Spain
- +34 91 675 12 92

Latin American Technical Support & Sales Office

Mexico
- +52 442 217 6235

North American Technical Support & Sales Office

Watlow Electric Manufacturing Company (Headquarters)
- 12001 Lackland Road
- St. Louis, MO 63146 U.S.A.
- Phone: +1-314-878-4600
- Fax: +1-314-878-6814
- Web site: www.watlow.com

Asian ADC Offers Technical and Application Support

The ADC is located in Watlow’s Singapore facility and will house technical experts that are available to customers. Capabilities include the following Watlow products: tubular heaters, cartridge heaters, flexible heaters, sensors and wire and cable. Using these products, the ADC can help guide the correct product selection, assist in the capture of product requirements, share product specifications and performance data and offer other general technical support for almost all of Watlow’s products.

- Quick quote times
- Detailed CAD drawings
- Faster prototypes
- Additional technical information

Watlow’s WATROD round tubular heating elements and FRESIO® flat tubular heating elements are currently being manufactured in China. These products are designed primarily for direct immersion in liquids such as water, oil, solvents and process solutions, as well as for use in confined spaces and gases. By generating all the heat within the liquid or process, these heaters are virtually 100 percent energy efficient. These versatile heaters can also be formed and shaped into various geometries for radiant heating and contact surface heating applications.

Which Watlow Products are Manufactured in China?

Watlow’s WATROD round tubular heating elements and FRESIO® flat tubular heating elements are currently being manufactured in China. These products are designed primarily for direct immersion in liquids such as water, oils, solvents and process solutions, molten materials, as well as air and gases. By generating all the heat within the liquid or process, these heaters are virtually 100 percent energy efficient. These versatile heaters can also be formed and shaped into various geometries for radiant heating and contact surface heating applications.

Tubular Heating Applications

- Food/ beverage equipment
- Plastics processing
- Telecommunication
- Medical equipment
- Analytical instrumentation
- Power generation
- Semiconductor processing

©2007 Watlow Electric Manufacturing Company | CHI-TUB-0807

Better Thermal Solutions...Faster
Asia ADC Offers Technical and Application Support

The ADC is located in Watlow’s Singapore facility and will house technical experts that are available to customers. Capabilities include the following Watlow product lines: tubular heaters, cartridge heaters, flexible heaters, sensors and wire and cable. In addition to these products, the ADC can help guide the customer product selection, assist in the capture of product requirements, share product specifications and performance data and offer other general technical support for almost all of Watlow’s products.

Which Watlow Products are Manufactured in China?

Watlow’s WATROD round tubular heating elements and FRESA® flat tubular heating elements are currently being manufactured in China. These products are designed primarily for direct immersion in liquids such as water, oil, lubricants and process solutions. Watlow’s tubular heating elements are designed for indirect heating in gases. By generating all the heat within the liquid or process, these heaters are virtually 100 percent energy efficient. These versatile heaters can also be formed and shaped into various geometries for radiant heating and contact surface heating applications.

Tubular Heating Applications

- Food-processing equipment
- Plastic processing
- Telecommunication
- Medical equipment
- Analytical instrumentation
- Power generation
- Semiconductor processing