



setting the
standard
for **energy**
recovery



innergytech

Commercial and Residential air-to-air
energy recovery components

HEAT PIPES • PLATES
WHEELS • CORES



innergy tech

Innergy tech is the most complete manufacturer of air-to-air energy recovery products in North America. With us, you will be guided towards the best and most economical product for your particular application.

While we meet and exceed the industry's highest standards and always take great care in our products quality and details, it is this flexibility that really sets us apart.

With all the products we manufacture, Innergy tech inc. is the solution to your energy recovery requirements.

Innergy tech's success is based on developing high efficient products that can be used in almost any air-to-air energy recovery application. When you buy one of our products, you have access to 1 million-unit experience in more than 20 countries. From residential application through cancer research center and up to industrial process, we have the solution.

By ground, sea or air, we ship all over the World. Our short lead-time and excellent on-time delivery will give you the competitive advantage in your business. We live in a worldwide market and Innergy tech is a part of it.

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INNERGY TECH HISTORY



For more than 20 years, Innergy tech has been providing state-of-the-art, air-to-air heat and energy recovery products to the HVAC industry. With over 1 million residential and commercial products sold in more than 20 countries around the globe, Innergy tech is recognized as a world market leader in the heat and energy recovery industry.

WE ARE KNOWN FOR THE QUALITY OF OUR PRODUCTS, OUR HIGHLY SKILLED TECHNICAL SERVICES AND FOR OUR ABILITY TO MEET OUR COMMITMENTS TO OUR CUSTOMERS.

Founded in 1995, Innergy tech has already moved 3 times to larger facilities in response to the increasing worldwide demand and is now operating in a 41,000 sq. feet modern facility.

WHY ENERGY RECOVERY WITH INNERGY TECH

Heat recovery for reduced energy costs

By reducing peak heating and cooling requirements, heat recovery enables the downsizing of the heating and cooling systems. In fact, the first cost savings due to downsizing your heating and cooling system will often be enough to offset the added first cost of your energy recovery equipment. In the other situations where the total system's costs are still higher, the resulting energy saving will quickly make up for it with [amortization periods that can be as low as 6 months](#).

- + SAVE ENERGY, GAIN ENERGY
- + REDUCE ENERGY COSTS
- + INCREASE YOUR COMFORT
- + BE MORE HEALTHY

Lean manufacturing

In order to maintain our competitiveness to the highest level and provide the best value to our customers, Innergy tech has spent a significant amount of time and money in the re-engineering of its manufacturing and business processes which led us in 2003 to the implementation of the latest lean manufacturing techniques.

The main objectives of the lean manufacturing techniques are to remove from the manufacturing processes any operation that does not bring added value to our products and to ensure **FLEXIBILITY** and **RELIABILITY** in delivering our products as per customer needs.

These non-added value elements can be:

- WASTED TIME
- MANUFACTURING PROCESS WASTES
- UNNECESSARY INVENTORY
- INEFFICIENT MANUFACTURING PROCESSES
- PRODUCTION FAR IN ADVANCE
- LONG LEAD TIMES
- INEFFICIENT BUSINESS PROCESSES

Consequently, Innergy tech manufacturing facility has been organized by production cell for each product line and respecting the concept of «one piece flow» giving to our customers the maximum flexibility that can exist on the market.

In order to support our flexible manufacturing facility, we have developed our supply chain by using the latest KANBAN techniques (procurement concept developed by Toyota) insuring a smooth reordering process without keeping too much of an inventory and is monitored by an ERP manufacturing system.

A flexible manufacturer can bring a lot of value and **RELIABILITY** to your own supply chain, just ask us how we can help you out in improving your competitiveness...



OUR STRENGTH: INNOVATION AND RESEARCH & DEVELOPMENT

Research and development of new products at the leading edge of technology has always been our strength. It is the reason why we are now offering, and constantly improving, the most complete product line in the heat and energy recovery industry.

Energy Recovery Wheels (Heat wheels), Heat pipes, Sensible Plate Exchangers or Enthalpy Plate Exchangers, Residential Heat Cores, Residential Enthalpy Cores.

We are the most complete manufacturer of energy recovery products in North America.

WE THINK WE DEVELOP WE IMPROVE WE MAKE THE DIFFERENCE

HEAT PIPES



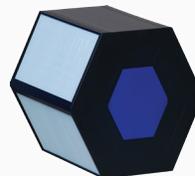
PLATES



ENERGY
RECOVERY
WHEELS



COUNTER-FLOW
CORES



CROSS-FLOW
CORES



COMMERCIAL

RESIDENTIAL

WHILE WE MEET AND EXCEED THE INDUSTRY'S HIGHEST STANDARDS AND ALWAYS TAKE GREAT CARE IN OUR PRODUCTS' QUALITY AND DETAILS : THE MEMBRANE INTEGRATED, THE MATERIAL USE, THE FONCTIONNALITIES INVENTED ; EACH OF OUR PRODUCTS HAS HIS OWN PARTICULARITY WICH MAKE IT THE MOST PRACTICAL AND USEFUL ON THE MARKET.

IT MAKES US UNIQUE AND SPECIALIZED

CERTIFIED PERFORMANCE AT INNERGY TECH

At Innergy tech, we strongly believe in third party certified performances as the only way to insure quality products that will perform as designed. Based on this belief, we have been part of the AHRI 1060 certification program from its very beginning as well as being an active AHRI (Air-Conditioning, Heating & Refrigeration Institute)*** member.

This continuous effort resulted in a well-established industry certification program, which is now making the life of our customers far easier since they no longer have to accept self-certified products. This certification will give you peace of mind.

AHRI's 1060 standard is globally recognized and Industry respected, consistently demonstrating that performance claims have been measured and verified by an independent laboratory under contract to AHRI. Upon the yearly verification, the AHRI Certified mark is applied to the component to serve as a visual statement of conformance. Certified products are listed in the AHRI 1060 Directory with all their tested performance results, Commercial Air-to-Air Energy Recovery Ventilators).

AHRI 1060 CERTIFIED COMPONENTS; LUCKILY THERE ARE STILL EASY DECISIONS...

Rated

- Conforms to standard
- Subject to rigorous and continuous testing
- Manufacturers' performance ratings independently measured
- Third-party verified
- All products within program scope certified
- Provides marketplace clarity

AHRI-Certified®

- Conforms to standard
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GREEN IN ACTIONS

Choosing heat recovery not only means **reduced energy costs**, but it also greatly contributes to the protection of environment. Producing energy is expensive both in terms of money and natural resources. It is the source of an important amount of pollution and therefore is in direct relationship with global warming. A common knowledge is that one of the biggest challenges of modern human society will be to find ways to produce low cost energy with minimum environmental impact. What is surprising however is that very few know how heat recovery, a technology available today, can help to achieve that goal.

Reduced energy consumption inherently means a reduction in pollutants (including greenhouse gases (GHGs)).

Choosing heat recovery is assuming our responsibility towards the future generations and the environment.

At Innergy tech, the green initiative is not only a marketing trend, it is a commitment that involves taking many green incentives. Below are the actions that we have taken demonstrating our dedication in reducing the negative impact of our operations on the environment.

Our actions to: **COMPLY**

Our factory has been certified by the government authorities and found to be compliant on every aspect of environmental laws.

Upon completing a study of our energy consumption in our factory, we concluded that we operate at an optimal level in most of our manufacturing processes. Additionally by conducting such a study we were able to determine that our factory has the ability to maintain the same level of competitive usage in energy as prior to the implementation of green initiatives.

Our actions to: **REDUCE**

All ventilation equipment in our factory has been equipped with an energy recovery component. Our factory uses a 108" sensible wheel, 2 polypropylene HRV cores, and 2 enthalpy cores (ERV), all of which significantly reduce our energy consumption.

A precise measuring tool was installed on our commercial wheel winding machine to increase the precision on wheel diameter; resulting in a reduction of aluminum waste.

An "all in one" copier/scanner/printer/fax was installed that is linked to our network; significantly reducing our paper consumption.

ALL of our RFQ & Sales process have become 95% paperless; additionally reducing our paper consumption.

Our residential wheel manufacturing process has been modified to reduce our energy consumption by 18%.

A 40% reduction in our chemical waste was a result of our desiccant manufacturing process.

The installation of a new air compressor resulted in a 60% reduction in our energy consumption.

Our actions to: **RECYCLE**

100% of our cardboard boxes are recycled and taken to a specialized recycling company.

We implemented a recycling program for our propylene waste generated by the HRV cores manufacturing process.

This practice enables us to recycle 97% of propylene waste and saves 12 containers (40 feet) from entering to the landfill on an annual basis.

All of our aluminum waste and steel waste generated by the HRV cores manufacturing process and commercial wheels are recycled.

All of our wood pallets are either re-used or recycled.

Our actions to: **RE-USE**

A percentage of our standard polypropylene core materials are RECYCLED from our factory to be RE-USED in our exchangers.

Majority of our internal battery requirements have been switched to rechargeable batteries. Additionally all used batteries are sent to special area for safe disposal.

INNERGY TECH IS NOT ONLY ENGAGED IN SELLING GREEN PRODUCTS BUT IS CONTINUOUSLY TAKING ACTIONS TO REDUCE ITS OWN ENVIRONMENTAL FOOTPRINT ON THE PLANET.

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