



*....a company founded on providing on-site solutions to refrigerated merchandising and storage needs for the ice cream and frozen foods industry by manufacturing the best quality, highest performance and most innovative refrigeration equipment for the most demanding applications and to serve our customers in a competitive and customer oriented manner before and after the sale.....*



**CORPORATE HEADQUARTERS**

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**MANUFACTURING FACILITY**

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[www.globalref.com](http://www.globalref.com)

# MANUFACTURING FACILITY

HONEA PATH, SOUTH CAROLINA

375, 000 Square Feet



# GLOBAL REFRIGERATION TIMELINE

- Investors purchased the designs, patents and manufacturing processes for Kelvinator Commercial products.
- Investors created Global Refrigeration Incorporated
  - Headquarters Cleveland, Ohio
  - Manufacturing Facility Honea Path, South Carolina
- Global 's Refrigeration
  - Owners have extensive long term successful backgrounds in
    - Manufacturing
    - Product Innovation
    - Products
    - Customer Service
    - National and International Trade Experience
    - Engineering

# GLOBAL REFRIGERATION TIMELINE

- Global contracted a group of the top refrigeration engineers in the country to:
  - Evaluate existing Kelvinator patented designs
  - Re design some aspects making units more efficient and improving performance
  - Added enhanced features to ensure Global Refrigeration offers the most innovative products in the marketplace
  - Our engineering department entertains the expertise of engineers that have been associated with Kelvinator products over 40 years and serve as invaluable resource

# GLOBAL REFRIGERATION

## Goals of Engineers

- To improve and ensure reliability of the equipment
- To ensure the equipment to reaches optimum performance levels
- To achieve the most efficient and effective operation of the units
- To decrease energy usage thereby decreasing power costs
- To offer the most innovative , high performing unit to the

# Global Refrigeration

## MANUFACTURING PROCESS

- Management interviewed and hired a talented manufacturing team to manufacture Global units.
- Qualified staff trained each employee regarding the details processes, performance and responsibility of their job
- Employees attend training sessions monthly
- A manufacturing station leader coordinates a constant check and balance of the employee and station's work
  - Knowledge
  - Performance
  - Productivity

# Global Refrigeration Testing

## LEAK DETECTION

### **INFICON Helium Test**

- Test unit for leaks before the unit goes through the foaming process.

### **Nitrogen Leak Test**

- After unit is completed , unit is tested in testing center to detect there are no leaks



# Global Refrigeration Testing

## ELECTRICAL TESTING

### HI POT Electrical Testing

- Test is applied multiple times during manufacturing process
- The **HOT POT** test ensures that all electrical components and the electrical system are operating to system standards.

# Global Refrigeration Testing

## TESTING

### Clocking Station

- Each new unit is placed at a testing station for a minimum of 6 hours
- Unit is hooked up to computer to test the standard performance of the unit
  - Confirms that unit reaches and maintains desired temperature
  - Confirms unit cycles correctly

# Global Quality Control

- Quality Control Department has made a tremendous impact on
  - Improving and maintaining the high standards of the Global equipment
  - Each Global unit undergoes extensive testing throughout the manufacturing process
    - Global's metal fabrication of parts
    - Quality control checks at each manufacturing station
    - Leak Detection
    - HI Pot Test
    - Clocking Performance Reviews
    - Implementation and maintenance of record keeping on each unit and retention of pictures of completed units

# Feature Enhancements

## HARDENING CABINETS

- New refrigerant/compressor design
- New TXV/CRO Valve
- Auto Door Switch Technology
- New Digital Temperature Control System
- Cabinets offer -30°F/-40°F ambient cavity temperature
- Improved reliability/increased performance
- Increased energy efficiency
- Faster recovery time

# Feature Enhancements

## VERTICAL GLASS DOOR MERCHANDISERS

- Full size glass door(s) offers largest viewing/display area in industry
- Heated triple pane glass doors
  - Heated perimeter and mullions
- New refrigeration/compressor design
- LED Lighting
- CRO/TXV Valve
- Increased reliability/improved performance
- Increased energy efficiency

# Feature Enhancements

## CKDC47V-BR, CKDC67V-BR, CKDC87V-BR

- New refrigerant/compressor design
- LED Lighting
- Microprocessor temperature controller with LED digital display
  - Unit operates more efficiently
  - Unit operation decreases energy usage decreasing energy costs
  - Allows faster recovery times
  - Maintains temperature more efficiently
- Improved optimum performance levels
  - Unit does not run as often
  - Unit emits less heat
  - Faster recovery time

# Feature Enhancements

CKDC47V-BR, CKDC67V-BR, CKDC87V-BR

- Patented Kelvinator Design out performs all other manufacturers
  - The Kelvinator patented manufacturing process for horizontal dipping cabinets guarantees performance that cannot be met in the industry
    - Guarantees consistent temperature throughout the interior of the cabinet
    - Guarantees consistency of ice cream wherever it is placed in interior of cabinet
- 4-1/2” Lower Front Glass
  - Increases viewing/display area by 75%
  - Children are able to view displays easier encouraging impulse sales
  - Allows products increased visibility to enhance interests

# PRODUCT ENHANCEMENT SUMMARY

## Microprocessor Digital Temperature Controller

- Eliminates mechanical defrost timer's erratic behavior and failure rates
- Precise temperature reading of interior of cabinet
- Device can be custom programmed to meet any special requirements
- Digital graphics on LED screen indicate unit status
- Device improves the efficiency and performance levels of the unit



# PRODUCT ENHANCEMENT SUMMARY

## New Refrigeration and Compressor Design

- Discharge pressure never exceeds 165psi
- TXV/CRO valves begin controlling refrigerant flow 2 seconds after start up
- Eliminated vibration and hard start up for vertical cabinets
- All components operate at optimum performance while performing more efficiently.
- Decreased operating costs and quieter operation

# PRODUCT ENHANCEMENT SUMMARY

## AUTO DOOR SWITCHES

- On/Off door switches installed on all vertical units
- Switch is activated when door is opened that makes fans stop operating
  - No fans running eliminate hot air and humidity being pulled into the interior of the vertical unit
  - The air remains drier , not moist ensuring no frost and icing issues
- Eliminates frost and icing issues on products

# PRODUCT ENHANCEMENT SUMMARY

## LED LIGHTING

- Available on all Baskin Robbins units
- Day White Clear Light
  - Crisp clear light with no color tones
  - Pure white light
- Improves the display of product
  - Better lighting may increase traffic flow
  - Increasing sales
- Longer Life
  - LED bulbs are guaranteed for 10 years
- No ballast required
- Minimum heat emission from light

# Global, the company.....

## Your Solution

### Global Refrigeration Incorporated

- Owner of Kelvinator Commercial patents, designs and manufacturing processes
- Enhancements & added features to the Kelvinator designs by Global Refrigeration Incorporated

### RESULTS

- Refrigeration Units manufactured which are superior to all competitor's equivalent units.

# Global, the company.....

- Global offers customers availability to engineers to answer questions
- Global is only OEM manufacturer for Kelvinator Commercial parts worldwide.
- Size of company allows Global the flexibility to design and meet special requirements or deadlines for our customers
- Size of company guarantees customers receive excellent service before and after the sales process

# Global, the company.....

- Global is only OEM manufacturer for Kelvinator Commercial parts worldwide
- Size of our company allows customer access to departments and company personnel making working with Global a stress free and enjoyable process
- Global Refrigeration ships units domestically and internationally monthly

# Global, the company.....

## INTERNATIONAL SHIPPING

- Global Refrigeration ships all over the world monthly and has great expertise in international shipping
  - Protocols
    - Vast knowledge of all protocols associated with international shipping documents and requirements
  - Freight Forwarding
    - Global can contact a freight forwarder and coordinate the entire shipment to your location.
    - Global works professionally and coordinates with freight forwarders chosen by the customer.
  - Packaging
    - Global packaging has been tested and certified to sustain in situations during shipments by land, ocean or air