



The JF Swinehart Co., Inc.

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JFS FLAT GLASS TEMPERING SYSTEMS • FEATURES AND ADVANTAGES

EACH JFS FLAT GLASS TEMPERING SYSTEM IS DESIGNED AND MANUFACTURED IN THE USA. REGARDLESS OF SIZE, EACH SYSTEM IS A RUGGED, HIGH QUALITY, PRECISION PIECE OF EQUIPMENT BUILT TO THE HIGHEST QUALITY STANDARDS USING ONLY THE BEST AVAILABLE "OFF THE SHELF" COMPONENTS TO INSURE THE SYSTEM WILL PRODUCE THE FINEST QUALITY FLAT GLASS FOR MANY YEARS TO COME.

- JFS DESIGNS AND BUILDS TEMPERING SYSTEMS THAT MEETS AND EXCEEDS OUR CUSTOMERS EXACT REQUIREMENTS AND EXPECTATIONS. WITH OUR FLEXIBLE DESIGN AND MANUFACTURING METHODS ALL SIZES ARE "STANDARD" AND EXTREMELY COST COMPETITIVE WITH ALL DOMESTIC AND OFF-SHORE MANUFACTURERS. JFS SYSTEMS ARE DESIGNED AND BUILT TO BE THE MOST COST EFFECTIVE SYSTEMS TO PURCHASE, OPERATE AND MAINTAIN.
- JFS SYSTEMS INCORPORATE MANY FEATURES WHICH ARE AN ADDITIONAL COST OR NOT AVAILABLE FROM OTHER MANUFACTURERS.
- PRECISION ROLLER BED WITH THE HIGHEST QUALITY CERAMIC ROLLS WITH NO END CAPS AND AN OBSTRUCTION FREE GLASS LINE.
- FULL FEATURE, WINDOWS® BASED OPERATING SYSTEM INCLUDING TWO RUGGED GLASS, COLOR GRAPHIC OPERATOR TOUCH SCREENS.
- JFS HAS NO "PROPRIETARY" COMPONENTS, SOFTWARE, HARDWARE OR OPERATING SYSTEMS.
- SOLID STATE, UNINTERRUPTIBLE POWER SUPPLY (UPS) TO POWER THE ROOF LIFT, PLC/PC AND DRIVES IN THE EVENT OF A FACILITY POWER FAILURE.
- ADVANCED, TEMPERATURE CONTROL SYSTEM UTILIZING HOT SWAPPABLE ZONE TEMPERATURE CONTROL MODULES AND SCR POWER CONTROLLERS FOR PRECISE ZONE HEAT CONTROL. THIS SYSTEM ELIMINATES HEAT CONTROL FAILURE DUE TO A PLC OR CARD FAILURE. COUPLED WITH HIGH EFFICIENCY, FAST RESPONSE, LONG LASTING, LOW COST HEATING ELEMENTS, THE SYSTEM DELIVERS UNPARALLELED RELIABILITY, EXCEPTIONAL TEMPERATURE CONTROL AND REDUCED ENERGY CONSUMPTION.
- ALL FURNACE INTERIORS USE THE MOST EFFICIENT INSULATION AVAILABLE AND ALL EXPOSED INSULATION IS A HARD, NON-DUSTING BOARD THAT VIRTUALLY ELIMINATES FURNACE CONTAMINATION FROM INSULATION.
- PREMIUM QUENCH AND/OR COOLER FANS WITH SPECIALLY DESIGNED HEAVY DUTY WHEELS FOR VFD CYCLING. ALL FANS HAVE PREMIUM EFFICIENCY, INVERTER RATED MOTORS AND ARE OPERATED BY A PLC CONTROLLED, VARIABLE SPEED FREQUENCY DRIVE.
- ALL JFS ELECTRIC TEMPERING SYSTEMS ARE DESIGNED TO ACCEPT LOW "E" CONVECTION ASPIRATION EVEN IF NOT INITIALLY REQUIRED. THIS INCLUDES THE REQUIRED KW (MANY OTHER SYSTEMS ONLY PROVIDE A MINIMUM KW FOR TEMPERING), SOFTWARE AND FURNACE MOUNTS FOR FUTURE INSTALLATION. SHOULD A LOW "E" FURNACE BE INITIALLY REQUIRED, JFS SUPPLIES A PROPERLY SIZED COMPRESSOR.
- ALL SYSTEMS INCLUDE A MINIMUM OF TWO RADIOMETERS LOCATED BETWEEN THE FURNACE AND QUENCH AND THE CURRENT GLASS EXIT TEMPERATURE AND HISTORY OF PAST TEMPERATURES ARE DISPLAYED AND RECORDED.
- ALL SYSTEMS ARE SUPPLIED WITH A COMPUTER CONTROLLED SO₂ SYSTEM. LARGER SIZES INCLUDE A SELECTIVE, MULTI ZONE SO₂ SYSTEM.
- COMPLETE SPARE PARTS PACKAGE INCLUDING ROLLS, HEATING ELEMENTS AND ALL CRITICAL ELECTRIC AND MECHANICAL COMPONENTS.
- A REAL NO HASSLE WARRANTY.
- FROM THE FIRST LOAD ROLL TO THE LAST UNLOAD ROLL, JFS PROVIDES OUR CUSTOMERS WITH MOST ADVANCED, FULL FEATURED, COST EFFECTIVE, FLAT GLASS TEMPERING SYSTEM AVAILABLE ANYWHERE AND OUR CUSTOMER SERVICE AND SUPPORT SHOULD BE THE INDUSTRY STANDARD. JFS CONSTANTLY STRIVES TO PROVIDE THE PERFECT SYSTEM BUT IN THE REAL WORLD PROBLEMS AND SITUATIONS DO OCCUR. FROM OUR 24 HOUR ON-LINE ASSISTANCE AND SYSTEM MONITORING TO A "CAN YOU BE HERE YESTERDAY "SERVICE ATTITUDE". JFS PROVIDES WHAT YOU NEED, WHEN YOU NEED IT, TO KEEP YOU RUNNING.