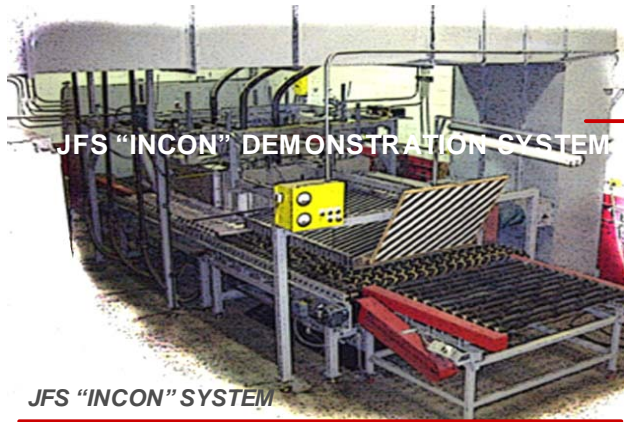


JFS "INCON" LOW "E" FLAT GLASS TEMPERING SYSTEM GENERAL INFORMATION AND PRODUCTION RATES



JFS "INCON" SYSTEM

- INDEPENDENT LOAD AND UNLOAD TABLES WITH POP-UPS
- FURNACE HEATING SYSTEM WITH JFS LOW "E" HIGH EFFICIENCY, FAST RESPONSE, GAS INFRARED BURNERS. UPPER AND LOWER GAS BANK HEIGHT TO THE GLASS LINE IS ADJUSTABLE AND COMPUTER OR MANUALLY CONTROLLED. MULTI ZONE JFS HIGH RESOLUTION, PRECISE ZONE TEMPERATURE HEAT CONTROL
- UPPER AND LOWER INFRARED RADIOMETERS FOR READING THE GLASS EXIT TEMPERATURE WITH MULTIPLE DISPLAYED READOUTS ON THE OPERATOR SCREEN
- POSITIVE SEAL ENTRANCE AND EXIT DOORS
- COMPUTER CONTROLLED SO₂ DISTRIBUTION
- HIGH EFFICIENCY CLAM SHELL QUENCH AND COOLER SYSTEM WITH COMPUTER CONTROLLED VARIABLE SPEED FANS AND THICK GLASS COOLING PROGRAM.
- COMPLETE DUCTWORK
- PRECISION CONVEYOR SYSTEM WITH HIGH QUALITY CERAMIC ROLLS WITH NO END CAPS
- COMPLETE BATTERY BACK-UP SYSTEM FOR PLC, CONVEYOR DRIVES AND HEAT BANK HEIGHT MOTORS AND DRIVES
- USER FRIENDLY WINDOWS® BASED NON PROPRIETARY OPERATING SYSTEM INCLUDING MAIN AND REMOTE COLOR OPERATOR TOUCH SCREENS
- COMPLETE DOCUMENTATION INCLUDING SOFTWARE, OPERATION, TRAINING AND MAINTENANCE MANUALS, DRAWINGS AND MANUFACTURERS BULLETINS.
- INSTALLATION SUPERVISION, START-UP AND COMPLETE TRAINING
- THREE YEAR WARRANTY ON ALL JFS MANUFACTURED PARTS

APPROXIMATE LOW "E" PRODUCTION RATES AT 100% OF LOAD AREA

	3.2	4	6	8	10	12
	0.126	0.157	0.236	0.315	0.394	0.472
60 BY 120	1406	1125	750	563	450	375
60 BY 144	1688	28575	19050	14288	11430	9525
72 BY 120	1688	1350	900	675	540	450
72 BY 144	2025	1620	1080	810	648	540
84 BY 120	1969	1575	1050	788	630	525
84 BY 144	2363	1890	1260	945	756	630
84 BY 168	2756	2205	1470	1103	882	735

APPROXIMATE CLEAR GLASS PRODUCTION RATES AT 100% OF LOAD AREA

	3.2	4	6	8	10	12
	0.126	0.157	0.236	0.315	0.394	0.472
60 BY 120	2009	1875	1250	938	750	625
60 BY 144	2411	2250	1500	1125	900	750
72 BY 120	2411	2250	1500	1125	900	750
72 BY 144	2893	2700	1800	1350	1080	900
84 BY 120	2813	2625	1750	1313	1050	875
84 BY 144	3375	3150	2100	1575	1260	1050
84 BY 168	3938	3675	2450	1838	1470	1225

MAXIMUM GLASS SIZE FOR 3.2 MM (.125") IS 36 INCHES BY 76 INCHES

JFS INCON LOW "E" SYSTEM ADVANTAGES

- UP TO A 40% INCREASE IN PRODUCTION RATES FOR CLEAR GLASS. NORMAL CLEAR GLASS PRODUCTION RATES FOR SOFT COAT LOW "E"
- UP TO 50% TO 65% ENERGY SAVINGS WHEN COMPARED TO ELECTRIC AND CONVECTION SYSTEMS
- FURNACE HEAT AND SYSTEM CONVEYORS CONSUME LESS THAN 40 KW DURING OPERATION.
- NO INTERNAL CONVECTION NOZZLES OR ASPIRATORS
- SYSTEM DOES NOT REQUIRE RECIRCULATING FANS, HIGH TEMPERATURE FAN WHEELS, WATER OR AIR COOLED BEARINGS OR COMPRESSED AIR
- 18" COLOR HMI TOUCH SCREEN AND REMOTE HMI TOUCH SCREEN, LOCATED AT THE UNLOAD AREA.
- EXPANDABLE, USER FRIENDLY, WINDOWS® BASED, NON PROPRIETARY OPERATING SYSTEM AND SOFTWARE, OPERATION SCREENS FOR ALL FURNACE OPERATING PARAMETERS, MULTIPLE RADIOMETER READING DISPLAY, HISTORY, TRENDING AND STATUS SCREENS. COMPLETE RECIPE PROGRAM AND SCREEN, MAINTENANCE SCREEN, SECURE SET-UP AND SYSTEM DIAGNOSTIC SCREENS, INSTRUCTIONAL, OPERATION AND MANUAL SCREENS
- HOT SWAPPABLE, QUICK CHANGE THERMOCOUPLE CARDS AND EASY CHANGE THERMOCOUPLES
- HEAVY DUTY, NO MAINTENANCE, PRECISION DRIVE ROLL STUB SYSTEM. ELIMINATES ROLL BOUNCE AND VIBRATION.
- HIGH QUALITY CERAMIC ROLLS WITH NO PROPRIETARY END CAPS AND OBSTRUCTION FREE GLASS LINE
- HIGH EFFICIENCY SWEEP QUENCH WITH SEPARATE UPPER AND LOWER QUENCH FANS WITH COMPUTER CONTROLLED VARIABLE SPEED FAN DRIVES AND HIGH EFFICIENCY COOLER WITH COMPUTER CONTROLLED, VARIABLE SPEED COOLER FAN DRIVE WITH THICK GLASS PROGRAM. UPPER AND LOWER QUENCH AND COOLER READOUT GAUGES
- GLASS SHEDDING SYSTEM FOR EASY GLASS REMOVAL



THE JF SWINEHART CO., INC. · PO BOX 510 · 1370 NORTH MAIN STREET · FOSTORIA, OHIO · USA
TELEPHONE 419-435-6013 FACSIMILE 419-435-0528
WWW.JFSWINEHART.COM · E-MAIL JFS@JFSWINEHART.COM