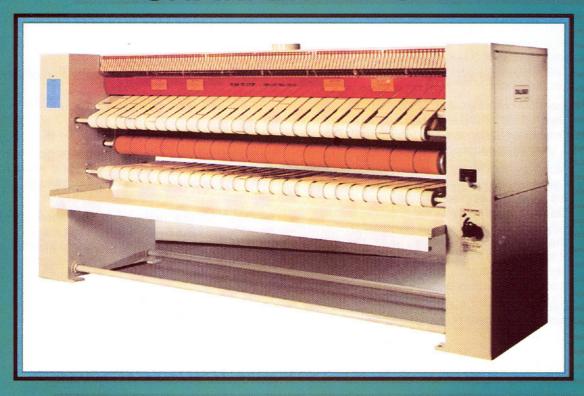
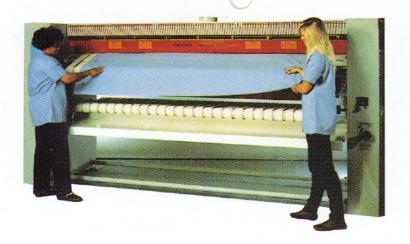


SHARPER FINISH







The Challenger 2000 can be heated by means of either gas (natural, liquified petroleum and others) or by high pressure steam (90–150 P.S.I. 6–10 ATU). Gas is the most widely used means of heating due to availability, low cost and convenience.

The Challenger 2000 with its full 20" (508 mm) revolving polished steel heated roll provides over 11% more finishing area than machines using an 18" (457 mm) heated roll. The result is more production at lower cost.

The gas heating system used is of the latest design incorporating pilotless electronic burner ignition and surveillance with a quiet, efficient natural draft burner. This burner extends the full width of the finishing surface and the properly spaced ports insure even heat distribution over the full finishing surface. Just the right amount of heat is applied to the finishing surface to insure proper finishing of the flatwork without creating "hot spots" and the resulting problems.

Our exclusive Intelatrol® Automatic Energy Saver System is standard equipment on the gas heated model,

and in addition to saving energy, it also saves money by increasing life expectancy of textiles and mechanical components.

The operation of the Intelatrol is fully automatic. If the operator leaves the machine and forgets to turn off the heat, at the end of 15 minutes a red signal light is illuminated. At the same time, heat is turned off saving both energy and wear and tear of the machine.

When the operator returns to the machine and resets the Intelatrol, heat will be turned on, and when ready to operate, a green signal light will be illuminated indicating the required temperature has been reached.

The steam heated model uses a polished steel heated roll constructed of ASTM A53 grade B steel. This roll is tested to 350 PSI (23.8 ATU). Steam in injected into the roll by means of a rotating union and condensate is removed through this same union. Since the temperature is automatically controlled by the steam pressure supplied by an outside source, no temperature controls are required on this machine.

INTELATROL AUTOMATIC ENERGY SAVER SYSTEM

We all need to be reminded of things and so does your laundry operator. Did you ever forget to lock a door or turn off a light? Well your laundry operator can forget to turn the heat off on the flatwork finisher when it's not in use—Right? No, not if the flatwork finisher is equipped with the Intelatrol automatic monitoring system.

If the operator leaves the machine and forgets to turn off the heat, at the end of 15 minutes, a red signal light is illuminated. At the same time, the heat is turned off saving both energy and wear and tear of the machine.

When the operator returns to the machine and resets the Intelatrol, heat will be turned on and when ready to operate, a green signal light will be illuminated indicating the required temperature has been reached.

ANY QUESTIONS? CALL 800/247- $\frac{IRON}{4766}$ TOLL FREE IN THE ENTIRE USA AND CANADA



Gas Heated Models Intelatrol is a Registered Trademark of Sharper Finish, Inc.



RONT FEED
REAR DELIVERY
WITH 4 OPERATORS

FRONT FEED FRONT DELIVERY WITH 2 OPERATORS

MAXIMUM THEORETICAL CAPACITY		575 pounds per hour (260 kg) of finished flatwork				
AVERAGE CAPACITY – Sheets per hour	250	100				
INSTITUTIONAL FLATWORK Pounds per hour®®	250	105				
MAXIMUM NUMBER OF HOTEL ROOMS FOR WHICH FLATWORK CAN BE PROCESSED?						
5 days (40 hours) per week	195	80				
6 days (48 hours) per week	235	95				
7 days (56 hours) per week	270	110				
MAXIMUM NUMBER OF HOSPITAL BEDS FOR WHICH FLATWORK CAN BE PROCESSED?						
5 days (40 hours) per week	120	50				
6 days (48 hours) per week	143	58				
7 days (56 hours) per week	165	68				

Pounds of institutional flatwork per hour is based on 65% large items such as sheets and 35% medium items such as tablecloths, napkins, and pillow cases

DETERMINING FLATWORK FINISHING REQUIREMENTS

A simple formula can be used to determine total laundry and flatwork finishing requirements.

EXAMPLE: A 195 room hotel or motel using 11 pounds of dry linen per day and operating a laundry 40 hours per week:

11	195	2,145	y 7	15,015	<u>.</u> 40	375	× 65%*	244
POUNDS PER ROOM	NUMBER OF ROOMS	TOTAL POUNDS PER DAY	NUMBER OF DAYS ACCUMULATION	TOTAL POUNDS PER WEEK	NUMBER OF HOURS LAUNDRY IS OPERATED PER WEEK	TOTAL POUNDS PER HOUR	% OF FLATWORK CONTAINED IN TOTAL	TOTAL POUNDS OF FLATWORK TO BE FINISHED PER HOUR

^{*}Studies show that approximately 65% of total will be flatwork, 30% can be tumble dried and 5% will be miscellaneous.

To determine your specific needs, just complete the following formula, inserting your own quantities and working hours.

X		- ×=		÷ =		X ——— :	
POUNDS NUMBER PER ROOM OF ROOMS	TOTAL POUNDS PER DAY	NUMBER OF DAYS ACCUMULATION	TOTAL POUNDS PER WEEK	NUMBER OF HOURS LAUNDRY IS OPERATED PER WEEK	TOTAL POUNDS PER HOUR	% OF FLATWORK CONTAINED IN TOTAL	TOTAL POUNDS OF FLATWORK TO BE FINISHED PER HOUR

Production capacity of a well designed and manufactured flatwork ironer is governed by many factors which in most cases are beyond the control of the machine manufacturer. Only years of experience in the manufacturing of this type of machinery and extensive actual hands-on working knowledge enables us, at Sharper Finish, to provide you with realistic, obtainable production data.

In preparing these production figures, we have had to assume that certain conditions exist that are consistent with a well managed on premise laundry. Our assumptions are as follows:

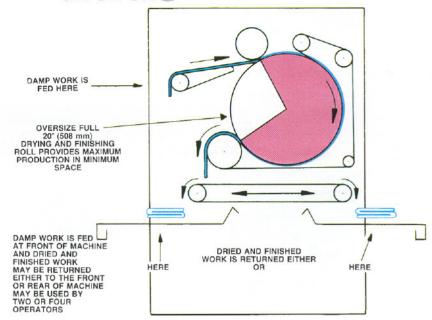
- Flatwork to be processed is blended materials containing 50% synthetic and 50% natural fibres.
- Moisture content of work to be processed will not exceed 25% and residual moisture content will not exceed 4%.
- 3. Estimated capabilities based on 120" (3050 MM) machine. Production reduced on other models.

An efficiency rate of 65% is applied to large items, such as sheets; and 35% to medium and small items such as tablecloths, napkins, and pillow cases.

Fredicated on total average linen usage of 11 lbs. per hotel/motel room per day, and an average of 18 lbs. per hospital bed per day.

DAMP WORK IS FED LAT FRONT OF MACHINE AND DRIED AND FINISHED WORK IS RETURNED TO THE FRONT BEST USED WITH TWO OPERATORS

CHALLENGER MODEL 2000 GR OR SR



SPECIFICATIONS

SAFETY FEATURES

Bright red safety finger guard extends full width of finishing surface and stops machine if touched by operator. Main start button must be pressed before machine can be restarted.

Access panels provided with safety switch to prevent panel being opened while machine is in operation and insure panel is in place during normal operation.

Sturdy Guards provided at front and rear of machine to prevent contact with moving items.

All operating controls conveniently located at front of machine.

Ventilating canopy provided with properly sized motor and blower to insure removal of moisture created during the finishing process. Airflow switch is located in the air stream to insure correct air flow before heating system can be started.

All motors equipped with magnetic starting devices and overload protection.

Safety operating and maintenance instructions conveniently displayed on the machine in both English and Spanish.

FINISHING SURFACE

Available 65" (1651 mm), 85" (2159 mm), 100" (2540 mm), 110" (2794 mm) or 120" (3048 mm).

FRAMES

All steel-welded construction.

PRESSING ROLL

Constructed from heavy gauge seamless steel tubing.

HEATED ROLL

All steel accurately formed, ground, and polished to mirror like finish.

HEATING

Equipped with full-length multi port burner for even heat distribution and maximum efficiency. Pilotless ignition system saves energy while providing safe operation.

Steam heated model is virtually maintenance free as energy to heat this machine is provided by outside source.

HEAT CONTROL

Extremely accurate snap action thermostat insures accurate control of all types of work. (Gas heated models)

PADDING

Long lasting heat resistant pad and cover cloth is provided to produce a fine finish.

AUTOMATIC FEEDING DEVICE

Work to be finished is simply placed on automatic conveyor, which takes it to heated and pressing area for neat, fast finishing.

RECEIVING TABLE

Convenient receiving tables allow finished work to be removed at either front or rear of machine. (GF and SF Models have front table only)

DRIVE

High quality ball bearing motor. Final drive from gear reduction unit to pressure roll is by smooth running chain. Totally variable speed control allows any speed between 20 and 60 feet per minute. (6.1-18.3 m/min.)

BEARINGS

All rolls mounted in oversize ball bearings.

FINISHING PRESSURE

Pressure automatically controlled by heavy tension springs. Pressure adjustable to compensate for padding variations.

ELECTRICAL CONTROLS

All control circuits operate on 24 volts to insure operator safety. Magnetic contactor provided for control of motor. Drive motor thermally protected.

FINISH

Entire machine is finished with highgrade machine enamel in your choice of colors.

Safety finger guard is finished bright red. Feed and receiving tables are finished in white enamel to produce a finely trimmed machine.

INTELATROL

Automatic Energy Saver System standard on all gas heated models.

TECHNICAL DATA

MACHINE	/_	HEATER SUPPLIES WOTE	MEMILEY MALERA SPENIELY MALERA SPENIELY MALERA FEER R.S. MR.	CF PERMITTE (TOTAL) WITH CHANGE (TOTAL)	RECTION OF THE CAME	MANIMUM CONDON HOTOR H.D.	/		STEAM HE HEATON	1	MACHES ATE RETURN	NET (ATU) TEM PRESSINE	DOMESTIC (W)	COMESTIC CONTO S.C.	(mm) '45 (11)	Stront Companies	CONDO CONTO DE CONTO	Come Carre
MACHINE MODEL	FINISHI	HEATE!	SPEED SPEED	Will Co	RECTA	MASTIN B. T. IN	GAS MUES	STEAM	STEAM IN.	COMOE	MAKIM	NET WEIGH	DOMESTICAL		Comes	2 / TO W	A THE STATE OF THE	
050000-05	65	20	20-60	3/4+1/3	3/4	120,000	3/4				_	1,560	1,750	112x48x74	230	1,870	113x49x74	237
GF2000x65	(1651)	(508)	(6.1-18.3)	(.559 + .249)	(,559)	(30120)						(708)	(794)	(2845×1219×1880)	(6.51)	(848)	(2870x1245x1880)	(6.7)
GF2000x85	85	20	20-60	3/4 + 1/3	3/4	155,000	3/4	-	_	-	_	2,060	2,350	132x48x74	271	2,510	133x49x74 (3378x1245x1880)	(7.9)
UFZUUUXDO	(2159)	(508)	(6.1-18.3)	(.559 + .249)	(.559)	(38900)	-					(934)	(1066)	(3353x1219x1880)	(7.67)	(1139)	148x49x74	311
GF2000x100	100	20	20-60	3/4 + 1/3	3/4	180,000	3/4	_	_	_	-	2,435	(1270)	147x48x74 (3734x1219x1880)	(8.55)	(1356)	(3759x1245x1880)	(8.8)
GF2000X100	(2540)	(508)	(6.1-18.3)	(.559 + .249)	(.559)	(46000)				11/22/201		(1104)			323	3,310	158x49x74	332
GF2000x110	110	20	20-60	3/4 + 1/3	3/4	200,000	3/4	_	_	_	-	2.685	3,100	157x48x74	(9.15)	(1501)	(4013x1245x1880)	(9.4)
GFZUUUXIIU	(2794)	(508)	(6.1-18.3)	(.559 + .249)	(.559)	(50000)						(1217)	3,400	(3988x1219x1880) 167x48x74	343	3.630	168x49x74	353
GF2000x120	120	20	20-60	3/4 + 1/3	3/4	220,000	3/4	_	-		-	2,935	(1543)	(4242x1219x1880)	(9.71)	(1647)	(4267x1245x1880)	(10)
GIZOUUXIZU	(3048)	(508)	(6.1-18.3)	(.559 + .249)	(.559)	(55000)		0.0	A 7.56		150	1,710	1.900	112x48x74	230	2.060	113x49x74	237
SF2000x65	65	20	20-60	3/4 + 1/3	3/4		_	2.3	1	3/4	(10)	(776)	(862)	(2845x1219x1880)	(6.51)	(934)	(2870x1245x1880)	(6.7)
OI ZOUOXOO	(1651)	(508)	(6.1-18.3)	(.559 + .249)	(.559)			(36)			150	2.330	2.620	132x48x74	271	2,780	133x49x74	279
SF2000x85	85	20	20-60	3/4 + 1/3		-	-	(47)	1	3/4	(10)	(1057)	(1188)	(3353x1219x1880)	(7.67)	(1261)	(3378x1245x1880)	(7.9)
01 2000X00	(2159)	(508)	(6.1-18.3)	(.559 + .249)	(.559)			3.5			150	2.555	2.920	147x48x74	302	3,110	148x49x74	311
SF2000x100	100	20	20-60	3/4 + 1/3	(.559)	-	-	(55)	1	3/4	(10)	(1159)	(1324)	(3734x1219x1880)	(8.55)	(1411)	(3759x1245x1880)	(8.8)
GIEGOGXIOO	(2540)	(508)	(6.1-18.3)	(.559 + .249)				4.0			150	2,865	3.280	157x48x74	323	3,490	158x49x74	332
SF2000x110	110	20	20-60	3/4 + 1/3	3/4 (.559)	-	-	(62)	1	3/4	(10)	(1300)	(1488)	(3988x1219x1880)	(9.15)	(1583)	(4013x1245x1880)	(9.4)
GILOUATIO	(2794)	(508)	(6.1-18.3)	(.559 + .249)	(.559)			4.25			150	3,175	3.640	167x48x74	343	3,870	168x49x74	353
SF2000x120	120	20	20-60	3/4 + 1/3 (.559 + .249)	(.559)	-	_	(66)	1	3/4	(10)	(1440)	(1651)	(4242x1219x1880)	(9.71)	(1755)	(4267x1245x1880)	(10)
OI ZOOUXIZO	(3048)	(508)	(6.1-18.3)		3/4 + 1/4	120,000		(00)			(10)	1,760	1.950	112x48x74	230	2.070	113x49x74	237
GR2000x65	65	20	20-60	3/4 + 1/4 + 1/3	(.559 + .187)	(30120)	3/4	-	-	-	-	(798)	(885)	(2845x1219x1880)	(6.51)	(939)	(2870x1245x1880)	(6.7)
UTIECOUXOU	(1651)	(508)	(6.1-18.3)	(.559 + .187 + .249)	3/4+1/4	155,000					-	2,280	2,470	132x48x74	271	2.630	133x49x74	279
GR2000x85	85	20	20-60	3/4 + 1/4 + 1/3	(.559 + .187)	(38900)	3/4	-		-	-	(1034)	(1220)	(3353x1219x1880)	(7.67)	(1193)	(3378x1245x1880)	(7.9)
UNIZOOUXOO	(2159)	(508)	(6.1-18.3)	(.559 + .187 + .249) 3/4 + 1/4 + 1/3	3/4+1/4	180,000						2,670	3.030	147x48x74	302	3,225	148x49x74	311
GR2000x100	100	20	20-60	(.559 + .187 + .249)	(.559 + .187)	(46000)	3/4	-	-	-	-	(1211)	(1374)	(3734x1219x1880)	(8.55)	(1463)	(3759x1245x1880)	(8.8)
UNILOUGATOO	(2540)	(508)	(6.1-18.3)	3/4+1/4+1/3	3/4+1/4	200,000					-	2.930	3,345	157x48x74	323	3,555	158x49x74	332
GR2000x110	(2794)	20	20-60	(.559 + .187 + .249)	(.559+.187)	(50000)	3/4	-	-	-	-	(1329)	(1517)	(3988x1219x1880)	(9.15)	(1613)	(4013x1245x1880)	(9.4)
dilecconiic	120	(508)	(6.1-18.3)	3/4+1/4+1/3	3/4+1/4	220,000						3,190	3,655	167x48x74	343	3,885	168x49x74	353
GR2000x120	(3048)	(508)	(6.1-18.3)	(.559 + .187 + .249)	(.559+.187)	(55000)	3/4	-	-	-	-	(1447)	(1658)	(4242x1219x1880)	(9.71)	(1762)	(4267x1245x1880)	(10)
Secretario de la Companya del Companya de la Companya del Companya de la Companya	65	20	20-60	3/4 + 1/4 + 1/3	3/4 + 1/4	(00000)		2.3			150	2.060	2.250	112x48x74	230	2,370	113x49x74	237
SR2000x65	(1651)	(508)	(6.1-18.3)	(.559 + .187 + .249)	(.559 + .187)	_	_	(36)	1	3/4	(10)	(934)	(1021)	(2845x1219x1880)	(6.51)	(1075)	(2870x1245x1880)	(6.7)
	85	20	20-60	3/4+1/4+1/3	3/4 + 1/4			3.0			150	2.600	2.790	132x48x74	271	2,910	133x49x74	279
SR2000x85	(2159)	(508)	(6.1-18.3)	(.559+.187+.249)	(.559 + .187)	-	-	(47)	1	3/4	(10)	(1179)	(1266)	(3353x1219x1880)	(7.67)	(1320)	(3378x1245x1880)	(7.9)
	100	20	20-60	3/4 + 1/4 + 1/3	3/4 + 1/4			3.5			150	3,005	3,370	147x48x74	302	3,560	148x49x74	311
SR2000x100	(2540)	(508)	(6.1-18.3)	(.559+.187+.249)	(.559 + .187)	-	-	(55)	1	3/4	(10)	(1363)	(1529)	(3734x1219x1880)	(8.55)	(1615)	(3759x1245x1880)	(8.8)
	110	20	20-60	3/4 + 1/4 + 1/3	3/4 + 1/4			4.0			150	3,275	3,690	157x48x74	323	3,900	158x49x74	332
SR2000x110	(2794)	(508)	(6.1-18.3)	(.559 + .187 + .249)	(.559 + .187)	-	-	(62)	1	3/4	(10)	(1486)	(1674)	(3988x1219x1880)	(9.15)	(1769)	(4013x1245x1880)	(9.4)
	120	20	20-60	3/4 + 1/4 + 1/3	3/4+1/4			4.25			150	3,545	4,000	167x48x74	343	4,230	168x49x74	353
SR2000x120	(3048)	(508)	(6.1-18.3)	(.559 + .187 + .249)	(.559 + .187)	-	-	(66)	1	3/4	(10)	(1608)	(1814)	(4242x1219x1880)	(9.71)	(1919)	(4267x1245x1880)	(10)
	(0000)	1000	1 (0.1.10.0)	1.000 1.101 1 12.10/	1,000 1,101)		4	100			-		-					

GF = GAS HEATED-FRONT FEED & FRONT DELIVERY OF FINISHED WORK

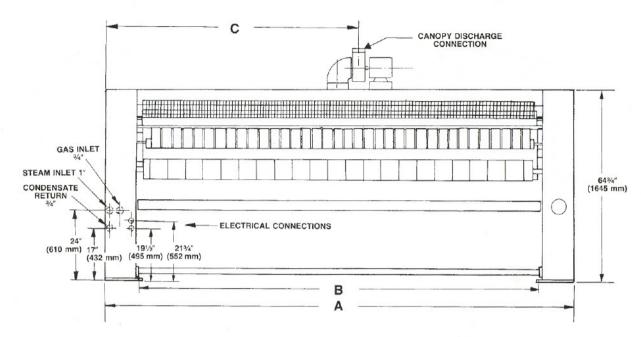
Sharper Finish, Inc.

METRIC CONVERSIONS ARE APPROXIMATE.

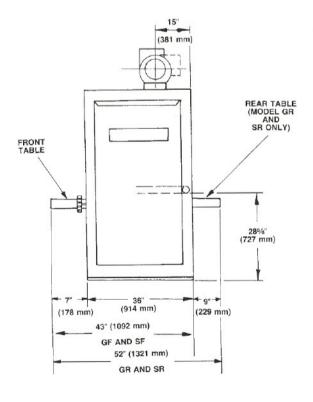
U.S.A and Canada Toll Free 800/247- IRON FAX 800/247-4428

SF = STEAM HEATED-FRONT FEED & FRONT DELIVERY OF FINISHED WORK

 $^{{\}sf GR}={\sf GAS}$ HEATED—FRONT FEED & FRONT OR REAR DELIVERY OF FINISHED WORK ${\sf SR}={\sf STEAM}$ HEATED—FRONT FEED & FRONT OR REAR DELIVERY OF FINISHED WORK



CHALLENGER	6	65"		5"	10	0"	11	0"	120"		
2000	GF	SF	GF	SF	GF	SF	GF	SF	GF	SF	
	GR	SR	GR	SR	GR	SR	GR	SR	GR	SR	
INCHES A (mm)	103½	1061/s	123½	1261/8	138½	1411/8	148½	1511/8	158½	1611/4	
	(2629)	(2696)	(3137)	(3204)	(3518)	(3585)	(3772)	(3839)	(4026)	(4093	
INCHES B (mm)	79½ (2019)	79½ (2019)	99½ (2527)	99½ (2527)	114½ (3594)	114½ (3594)	124½ (3162)	124½ (3162)	134½ (3416)	1341/	
INCHES C (mm)	62¼	647/s	72¼	74%	79%	82%	84%	87%	89¾	92%	
	(1581)	(1648)	(1835)	(1902)	(2026)	(2092)	(2153)	(2219)	(2280)	(2346	



*CANOPY DISCHARGE CONNECTION 51/4" x 81/4" (133 mm x 210 mm) 810 CFM AT 2.5" S.P. (24.6m³ at 6.4 mm W.G.) VENT MUST BE INDEPENDENTLY DISCHARGED TO ATMOSPHERE. DO NOT INTERCONNECT WITH OTHER VENT LINES.

ANY QUESTIONS? CALL US TOLL FREE IN ENTIRE USA AND CANADA

800/247- IRON 4766

SHARPER FINISH, INC.
4500 AUGUSTA BLVD.
CHICAGO, ILLINOIS 60651
LOCAL CALLS 773/276-4800
FAX 773/276-6878
USA AND CANADA FAX 800/247-4428

Designed And Built Right In The U.S.A.

Allow minimum of 18" (457 mm) clearance at ends of machine for maintenance access. Provide adequate make-up air according to current local requirements. Canopy vent must be independenly discharged to atmosphere. Do not interconnect with other vent lines. Do not use for construction purposes unless certified correct by Sharper Finish, Inc.