



SAI THERMOFORMERS

SILVER JUBILEE



MANUFACTURER & EXPORTERS

- THERMOFORMING PLASTIC DISPOSABLE GLASS & CUP ITEM MAKING MACHINE
- AUTOMATIC VACUUM FORMING MACHINE
- PLASTIC SHEET EXTRUSION PLANT- PP / HIPS / PLA MACHINE
- SKIN PACKAGING BLISTER FORMING MACHINE
- FULLY ONLINE VACUUM FORMING & CUTTING Mc.
- SPECIAL PURPOSE VACUUM FORMING MACHINE
- HYDRAULIC BLISTER CUTTING MACHINE
- THERMOFORMING & VACUUM FORMING MOULDS
- ALUMINUM FOIL CONTAINER MACHINE
- BLISTER SEALING MACHINE
- BRIEFCASE CELL VACUUM FORMING MACHINE TWO SIDE

Thermoforming Glass Machine

Model : STF-TFM



Technical Specifications

PLANT MODEL	Unit	STF-TFM 300 x 550	STF-TFM 350 x 700
Material	Sheet	HIPS, PP, PET	HIPS, PP, PET
Sheet Width Range	mm.	300 x 550	350 x 700
Sheet Thickness Range	mm.	0.30 to 1.50	0.30 to 1.50
Bed Size	mm.	350 x 850	350 x 950
Max. Speed Aprox.	Cycle/mm.	HIPS 35 / PP 30	HIPS 40 / PP 35
Max. Draw Depth	mm.	100 mm.	110 mm.
Motor Drive (Ac)	kw.	10 HP-ABB	15 HP-ABB
Top Heating Load	kw.	31 kw. / 48 Heaters	35 kw. / 54 Heaters
Bottom Heating Load	kw.	26 kw. / 40 Heaters	29 kw. / 45 Heaters
Running Load	kw.	70 kw.	76 kw.
Control Panel Dimension	inch	L-124" x W-46" x H-70"	L-126" x W-48" x H-71"
Machine Dimension	inch	L-150" x W-120" x H-110"	L-170" x W-150" x H-120"
Machine Weight	kgs.	3600 kgs. (Approx.)	4100kgs. (Approx.)

Note: Require (2HP) Screw Air Compressor with receiver, not supply with machine.

Plastic Sheet Extrusion Plant /PP HIPS

Model : STF-T-DIE



Technical Specifications

NOTE: We also make new technology machine for PLA (BIODEGRADE) Material.

PLANT MODEL	STF-T-DIE - 75	STF-T-DIE - 90
Screw (Dia)	75 mm.	90 mm.
LD Ratio	30 : 1	32 : 1
Maximum Useable Sheet Width	600 to 650 mm.	600 to 650 mm.
Average Thickness	0.22 to 1.5 mm.	0.25 to 1.5 mm.
Types of Material Used	PP, HIPS	PP, HIPS
Production Capacity	120-125 kg./h	200-230kg./h
Heaters Types	Ceramic	Ceramic
Helical Gearbox	Greaves / Elecon	Greaves / Elecon
Screen Changer	Rajhans	Rajhans
Motor & Drive	40HP, AC. (ABB / Crompton)	60HP, AC. (ABB / Crompton)
Machine Weight	4000 Kgs.(Approx.)	4800 Kgs.(Approx.)



Scrap Grinder

Cooling Tower



Automatic Vacuum Forming Machine

Model : STF-AVFM



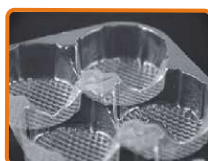
Technical Specifications

Sl. No.	MODEL	STF AVFM
01	Forming Area	600 x 600 mm.
02	Chain Movement	Gear Box with Motor
03	Gear Box & Motor	Make - Bonvario
04	Vacuum Pump	500LMV with Vacuum Tank
05	Heating Elements (24 Heaters)	Ceramic, Make - Hi Heat England
06	Heater Moving	UP & DOWN
07	Motor - 2 HP	Make - ABB
08	Chain	Make - Diamond
09	Pneumatic Cylinder & Valve	Make - Janatics
10	Material Used	HIPS, PVC, PET
11	Electronic & Electrical Item	Make L&T
12	Heat Control	PID - 8 Nos - Make - Select & Udian
13	Electric Load	17 kw.
14	Running Load	10 kw.
15	Machine Dimension	L-100" x W-52" x H-64"
16	Control Panel Dimension (LxWxH)	L-16" x W-36" x H-50"
17	Machine Weight	1500 Kgs. (Approx.)
18	Machine Doors, Panel, Frame & Parts	Powder Coated

Note: Require (5 HP) Air Compressor, not supply with machine.

Automatic PP Vacuum Forming Machine

Model : STF-AVFM-PP



Technical Specifications

Sl. No.	MODEL	STF-AVFM-PP
01	Forming Area (PP)	410mm. x 510mm. (16" x 20")
02	Forming Area (HIPS, PVC, PET)	600mm. x 600mm.
03	Chain Movement	Gear Box & Motor BONVARIO
04	Safety Devices	Emergency Switch on Front Panel
05	Vacuum Pump	1000LMV With Vacuum Tank
06	Heating Elements	Ceramic, Make - Hi Heat England
07	Motor - 5HP	Make - Crompton ABB
08	Pneumatic Cylinder & Valve	Make - Janatics
09	Chain	Duplex, Make - Diamond
10	Material Used	PP, HIPS, PVC, PET
11	Electronic & Electrical Item	Make L&T
12	Heat Control	PID Make - Udian / Selectron
13	Machine Doors & Control Panel	Powder Coated
14	Heating System	Top & Bottom
15	Running Load	16kw. - HIPS, PVS, PET
16	Running Load In PP (16" x 20")	26 kw.
17	Machine Dimension (L x W x H)	95" x 112" x 73"
18	Control Panel Dimension (L x W x H)	18" x 40" x 64"
19	Machine Weight	2000 kgs. (Approx.)

Automatic Online 2 & 3 Station Vacuum Forming Machine

Model : STF-VFM Online



Speciality : One man is needed for 4 machines.

- Mushroom Packaging Tray.
- Impulse Packaging Tray.
- Biscuit Packaging Tray.
- Toys Packaging Tray.
- Confectioneries Packaging Tray.
- Chocolate Packaging Tray.



Technical Specifications

Sl. No.	MODEL	STF-OVFM Online
01	Forming Area	600 mm. x 600 mm.
02	Chain Movement Duplax	Servo Motor Delta
03	Vacuum Pump	500LMV with Vacuum Tank
04	Heating Elements	Ceramic, Make - Hi Heat England
05	Motor - 2 HP	Make - ABB
06	Machine Control	PLC
07	Material Used	HIPS, PVC, PET
08	Electric Load	20 kw.
09	Cutting - Hydraulic	600mm. x 600mm.
10	Capacity (Force)	50 Ton
11	Oil Tank Capacity	100 Ltrs.
12	Machine Weight	3000kgs. (Approx.)
13	Timer Switch, Electric Control Panel	Make - L&T
14	Machine Dimension (LxWxH)	156" x 48" x 81"
15	Control Panel Dimension (LxWxH)	36" x 16" x 50"

Note: Machine delivered without Hydraulic Oil.

Automatic Online 2 & 3 Station Vacuum Forming Machine

Model : STF-VFM Online



Technical Specifications

Sl. No.	MODEL	STF-VFM Online
01	Forming Area	600 mm. x 600 mm.
02	Chain Movement	Servo Motor
03	Vacuum Pump	500LMV with Vacuum Tank
04	Heating Elements	Ceramic, Make - Hi Heat England
05	Motor - 2 HP	Make - ABB
06	Machine Control	PLC
07	Material Used	HIPS, PVC, PET
08	Electric Load	20 kw.
09	Machine Doors, Panel, Frame & Parts	Powder Coated
10	Cutting - Hydraulic	600mm. x 600mm.
11	Capacity (Force)	50 Ton
12	Electrical Load	7 HP
13	Electrical Circuit	MCB Make Havells
14	Oil Tank Capacity	150 Ltr.
15	Machine Weight	3000kgs. (Approx.)
16	Timer Switch, Electric Control Panel	Make - L&T
17	Machine Dimension (LxWxH)	156" x 48" x 81"
18	Control Panel Dimension (LxWxH)	36" x 16" x 50"

Note: Machine delivered without Hydraulic Oil.

Automatic Vacuum Forming with shear cutting Machine



Automatic Pressure Forming Machine

Technical Specifications

Sl. No.	MODEL	STF-APFM
01	Suitable Material	PS, PET, PVC , ETC
02	Working Speed Approx.	05-30 Cycle /min.
03	Stroke Range	30 - 340 mm.
04	Max. Forming Depth	75 mm.
05	Main Forming Area	480 x 320 mm.
06	Power Main Motor / Heating / Servo	3 kw. / 12 kw. / 0.75 kw.
07	Air Pressure	0.5 - 0.7 Mpa
08	Air Consumption	≤ 0.22m³/h
09	Machine Doors & Control Panel	Powder Coated
10	Noise	75Db
11	Machine Dimensions / (Weight)	L-2760 x W-950 x H-1720 mm. / (2100 Kgs. Approx.)



Hydraulic Punch Cutting Machine

Technical Specifications

Sl. No.	MODEL	STF-HPC
01	Cutting Plate	600 x 600mm.
02	Capacity (Force)	40 to 50 Ton
03	Double Drive	Two side Operate
04	Electrical Load	5 HP
05	Electrical Circuit	MCB Make Havells
06	Motor	Make - ABB
07	Oil Tank Capacity	100 Ltrs.
08	Machine Weight	1200 Kgs (Approx.)
09	Machine Size	L-71" x w-50" x H- 81"

Roller Cutting Machine

Technical Specifications

Sl. No.	MODEL	STF-RCM
01	Cutting Area	600 x 600mm.
02	Gear Box Make	Greavs & Diamond
03	Motor Make	Crompton, ABB
04	Double Drive	Two side Operate
05	Electrical Load	2 kw.
06	Rollar Dia	Ø 80 Soled
07	Dimensions	L-68" x W-30" x H-30"
08	Weight	600 kgs. (Approx.)



Autocycle Skin Packaging & Blister Forming Machine

Model : STF-S&B



Thermoforming & Vacuum Forming Moulds.



Technical Specifications

Sl. No.	MODEL	STF-S&B
01	Forming Area	16" x 24"
02	Electricals & Switch	Make - L&T
03	Vacuum Pump	300 to 500 LMV
04	Heat Control	sunvic
05	Electric Load	10 kw.
06	Sheet Thickness	0.10 to 2.5 mm.
07	Material Used	HIPS, PVC, ABS, PET
08	Heating Element	Tublar Air Heater - ISI Make
09	Motor	2HP Make - ABB
10	Limit Switch	Make - Siemens
11	Cylinder Operation	Pneumatic Valve Control
12	Machine Dimension	L-36" x W-72" x H-60"
13	Machine Weight	950 Kgs. (Approx.)
14	Maximum Draw	100 mm.

Note: Require (5 HP) Air Compressor, not supply with machine.

Autocycle Skin Packaging & Blister Forming Machine Double Side Machine



Technical Specifications

Sl. No.	MODEL	STF-S&B Double Side
01	Forming Area	18" x 24"
02	Electricals & Switch	Make - L&T
03	Vacuum Pump	500 LMV
04	Heat Control	sunvic
05	Electric Load	10 kw.
06	Sheet Thickness	1.5 to 2 mm.
07	Material Used	HIPS, PVC, ABS, PET
08	Pneumatic Cylinder	Make - Janatics
09	Machine Operate	Timer Make - Servotronics
10	Heating Element	Tublar Air Heater - ISI Make
11	Motor	2HP Make - ABB
12	Limit Switch	Make - Siemens
13	Heater Moving	Pneumatic Cylinder Janatics
14	Frame Moving	Pneumatic Cylinder
15	Cylinder Operation	Pneumatic Valve Control
16	Machine Dimension	L-96" x W-72" x H-60"
17	Machine Weight	1600 Kgs. (Approx.)
18	Maximum Draw	100 mm.
19	Machine Doors, Frame & Parts	Powder Coated

Note: Require (5 HP) Air Compressor, not supply with machine.

Automatic Blister Sealing Machine

Model : STF-BSM



Technical Specifications

Sl. No.	MODEL	STF-BSM	STF-BSM
01	Sealing Area	14" x 18"	18" x 20"
02	Heating	Digital Controller Based	Digital Controller Based
03	Cylinder Operation	Pneumatic Make Janatics	Pneumatic Make Janatics
04	Overall Load	3 kw.	5 kw.
05	Dimensions	L-50" x W-30" x H-62"	L-56" x W-36" x H-62"
06	Heaters	Plate Heaters	Plate Heaters
07	Digital Timer	Make Selec	Make Selec
08	Safety Devices	EMG Switch on Front Pane	EMG Switch on Front Panell
09	Machine Doors, Control Panel	Powder Coated	Powder Coated
10	Operation	Automatic & Manual	Automatic & Manual
11	Stroke Control	Limit Switch & Digital Timer Base	Limit Switch & Digital Timer Base
12	Moving Mould System	Manual	Manual
13	Weight	600 Kgs. (Approx.)	800 Kgs. (Approx.)
14	Air Compressor Required	3 HP	5 HP

Special Purpose Machine

Model : STF-SPM

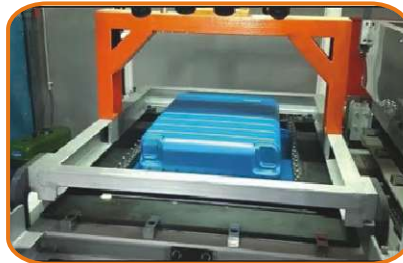


Technical Specifications

Sl. No.	MODEL	STF-SPM
01	Forming Area (Max.)	Customise
02	Forming Area (Min.)	48" x 96".
03	Sheet Size (Max.)	As Per Mould Size
04	Max. Forming Depth	4" to 18"
05	Max. Tool Load Capacity	50 Kgs to 350 Kgs.
06	Forming Method	Vacuum Forming
07	Sheet Thickness	1 mm to 4 mm.
08	Material Used	ABS, PP, HIPS
09	Average Cycle Time	30 Sec.to 5 Min. (Depending on type of material & Mould Profile)
10	Heating Method	Top & Bottom Heating
11	Heating Control	Individual Four Heater Zone controlled by PDI
12	Heating Element	Ceramic Heater / Tublar Heater
13	Vacuum Pump	With Air Tank
14	Compressed Air Required	Approx. 7 kg/cm ²
15	Pneumatic Cylinder	Make Janatics
16	Motor	Crompton / ABB
17	Switches / Contactors	L & T
18	Limit Switch	Siemence
19	Blowers	Industrial Type

Briefcase Cell Vacuum Forming Machine Two Side

Model : BCVF



Technical Specifications

Sl. No.	MODEL	BCVF
01	Forming Area (Max.)	Customise
02	Forming Area (Min.)	22" x 28"
03	Electric Lod	30 Kw.
04	Max. Forming Depth	300 mm.
05	Sheet Thickness	1 mm to 4 mm.
06	Material Used	ABS, PP, HIPS, ACRYLIC
07	Average Cycle Time	30 Sect to 1 Min. (Depending on type of material & Mould Profile)
08	Heating Method	Top & Bottom Heating
09	Heating Control	Individual Four Heater Zone controlled by PID
10	Heating Element	Ceramic Heater / Tublar Heater
11	Vacuum Pump	With Air Tank 1000 LMV
12	Compressed Air Required	20 HP,
13	Pneumatic Cylinder	Make Janatics
14	Mould Cooling	Air Blower
15	Dimension	L-132", W-72", H-96"
16	Wight	3200 Kgs. (Approx.)

Automatic Aluminium Foil Food Container Making Machine Single Cavity

Model : STF-AAFCM



Technical Specifications

Sl. No.	MODEL	STF-AAFCM
01	Suitable Foil Thickness	32-28 Micron
02	Container Size	120ml. to 650 ml.
03	Capacity	40 to 50 Container /Minute (Single)
04	Power Consumption	3 Kw., Three Phase / Single Phase
05	Sheet Feeder	Mechanical / Pneumatic
06	Control Pannel	PLC
07	Fiol Quality Sheet Cavity	8006 JINDAL Make
08	Foil Width (Maximum)	220 mm.
09	Machine Dimension	L-84", W-48", H-108"
10	Machine Wight	2000 Kgs. (Approx.)

Sai Group of Industries

VIEW OF FACTORY



EXHIBITION PARTICIPANTS (Plastindia)



ALL TYPE PACKAGING SOLUTION

- BLISTER PACKAGING, TOOTH BRUSH , SHAVING BRUSH, ● VACUUM FORMING TRAYS, HIPS, PVC, PET AVS
- MOBILE ACCESSORIES, CHOCOLATE TRAY, ● CONFECTIONERIES PACKAGING TRAY
- INDUSTRIAL ANTISTATIC, STARTING TRAY ● BISCUIT TRAY, SWEETS BOX ● TOYS PACKAGING TRAY
- FACE SHIELD COVID-19 ● AGRICULTURE TRAY ● PVC FANCY BOX ● STRAWBERRY BOX
- EGG TRAY ● MUSHROOM TRAY ● GRAPES BOX ● DISPOSABLE CROCKERY - MEAL TRAYS, PLATE



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