



Think Beyond Imagination....

Since
1976

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COMPANY PROFILE



Its universal that the gold has to melt itself in fire to remove impurities. In turn casted in shape and get polished to achieve glitter that makes it a JEWEL. So anybody can achieve their goal.

This was the thought of Mr. Jaysukh Adesara a young entrepreneur with immense energy and a burning desire to deliver the best Jewelry machinery to provide benefits in this Industries. He started his first own unit R.C.INDUSTRIES in 1976 with the brand name of **"SICO"** at Rajkot (GUJARAT). And with his broad vision and expertise, he provided customized solutions to the entire jewelry industry. He exported the machinery all over the world for almost 50 years and by that time his elder son Mr. Dipak Adesara (Electronics Engineer) started his journey with him in the year 2002 and grew the company with his innovative ideas with constant efforts which resulted in unmatched jewelry machine quality, that has set up a benchmark for entire jewelry manufacturing industries in the area of Research and Development with his knowledge. Further In the year 2010 his younger son Mr. Pratik Adesara started his journey with them. He looks after Administration, Marketing and running a same company in the name of **SICO TECHNOLOGIES LLP.**



one stop solution for JEWELLRY EQUIPMENT



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SICO Technologies LLP is one of the global leader in the manufacturing and supply of advanced machinery for the jewelry industry. With a comprehensive range of state-of-the-art technologies & equipment, we empower jewelry manufacturers to achieve precision, efficiency, and excellence in every aspect of production.

Our Vision

To revolutionize jewelry manufacturing by integrating modern techniques, reducing operational inefficiencies, and delivering innovative solutions to the global market.

Global Reach

With a strong international presence, SICO Technologies LLP serves clients across continents, ensuring the jewelry manufacturing industry benefits from cutting-edge machinery and unparalleled customer support.

Leadership Excellence

Under the visionary leadership of Mr. Dipak Adesara, the MD of SICO Technologies LLP, the company is setting new benchmarks in the jewelry manufacturing domain. Mr. Adesara brings deep expertise in contemporary techniques, driving innovations to:

Reduce Gold Loss : Advanced machinery minimizes wastage, ensuring higher returns.

Save Power Consumption : Energy-efficient designs help lower operational costs.

Minimize Human Error : Automation and precision engineering enhance accuracy and consistency.

Why Choose SICO Technologies LLP?

Innovative Solutions : Combining expertise with cutting-edge technology.

Customer-Centric Approach : Understanding and meeting the unique needs of our clients

Sustainability : Commitment to energy efficiency and resource conservation.

Global Support : Dedicated to serving clients worldwide with exceptional after-sales service.

At SICO Technologies LLP, we are committed to transforming the jewelry manufacturing industry by delivering superior machinery that ensures excellence, efficiency, and sustainability.



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Induction Tilting Furnace

Model : TLT SERIES

Technical information/ Benefits.

- ⚡ Reduces Manual Efforts.
- ⚡ Enhances Work Efficiency.
- ⚡ Ensures Ease of Operation.
- ⚡ Seamless Performance.



Model No	Brimful Capacity of crucible	Supply	Temp Capacity	Furnace Size	Power	Cooling System	Cooling System Size	Crucible Type
TLT 20	20 KG Gold	3PHASE-440V AC	1200°C	55 X 28 X 40	15 -20 KW	Chiller 3PHASE	24X25X42"	Graphite Silicon Carbide As Per Client Request
TLT 50	50 KG Gold	3PHASE-440V AC	1200°C	51 X 24 X 36	15 -30 KW	Chiller 3PHASE	24X25X42"	

Other Details : Auto/Manual



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Induction Melting Furnace

Model : RAPID SERIES
(Multi purpose)

Technical information/ Benefits.

- ⚡ Superior Molecular Structure Of The Molten Metal.
- ⚡ Enhancing Melting Quality.
- ⚡ Delivering Subsequent Gold Processing.
- ⚡ Silent operation



Model No	Capacity	Supply	Temp Capacity	Body Temp	Size	Power	Cooling / Chilling System	Cooling System Size	Application
RAPID 33	1GM To 3KG GOLD	1 PHASE-240V AC	1200°C	< 40°C	16 X 22 X 21"	4 KW	Chiller 1PHASE/ 22Ltr	18 X 22 X 32"	jacketed crucibles, non jacketed crucibles, small or medium graphite crucibles can be placed.
RAPID 44	1GM To 4KG GOLD	1 PHASE-240V AC	1200°C	< 40°C	16 X 22 X 21"	5 KW	Chiller 1PHASE/ 22Ltr	18 X 22 X 32"	
RAPID 55	1GM To 5KG GOLD	3PHASE-440V AC	1200°C	< 40°C	19 X 21 X 30"	5 KW	Chiller 1PHASE/ 80Ltr	22 X 18 X 32"	



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Electric Melting Furnace

Model No : CM2

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Technical information/ Benefits.

- ⚡ Energy-efficient Performance.
- ⚡ Consistent Melting Quality.
- ⚡ Ease Of Operation.
- ⚡ Improved Productivity.

Model No	Capacity	Supply	Weight	Temp Capacity	Body Temp	Size	Power	Cooling System	Cooling System Size	Application
Cm2	2KG Gold	1PHASE-240V AC	18 KG	1200°C	< 80°C	12 X 22 X 14"	2 KW	NA	NA	To Melt Gold, Silver Copper, Brass



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Rotary Burn out Furnace

Model : RBF SERIES

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Technical information/ Benefits.

- ⚡ Efficiently Evaporate Wax & Resin.
- ⚡ Minimal Air Pollution.
- ⚡ Environmentally & Friendly.
- ⚡ Ensure a quick heating cycle

Model No	Capacity	Supply	Weight (Approx)	Temp Capacity	Body Temp	Size	Power	After Burnor	Control Panel
RBF 500	OD 100mm x H 300mm Flask - 16 Nos double floor	3 PHASE-440V AC	750KG	750°C	< 80°C	43" X 53" X 80"	15 KVA	Yes	16 programm memory Delay start time Pid controlling Foot operated rotary rotation power cut off door safety *HMI panel can be made on clients request for fully automatic functions
RBF 501	OD 100mm x H 300mm Flask - 8 Nos Single floor	1 PHASE-240V AC	450KG	750°C	< 80°C	43" X 53" X 66"	9KVA	Yes	
RBF 4040H	OD -100MM X 254 MM 15 PCS AND OD 100MM X 300MM 15 PCS double floor	3 PHASE-440V AC	950KG	750°C	< 80°C	45" X 55" X 90"	18KVA	Yes	



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Static Burn out Furnace

Model : BOF SERIES

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Technical information/ Benefits.

- ⚡ Uniform Heating.
- ⚡ Efficient Wax Elimination.
- ⚡ Precise Temperature Control.
- ⚡ Superior Casting Result.

Model No	Capacity	Supply	Weight	Temp Capacity	Body Temp	Size	Power	Controll Panel	After Burnor	Application
BOF 16	16x14x12" Heating Area	1PHASE-240V AC	125KG	750°C	< 80°C	32" X 25" X 32"	4.5 KVA	Programable Auto/Manual	NA	To Eleminate The Wax or Resin From The Investment Flask
BOF 10	10" X 10" X 10" Heating Area	1PHASE-240V AC	75KG	750°C	< 80°C	22" X 22" X 22"	3.5 KVA	Programable Auto/Manual	NA	To Eleminate The Wax or Resin From The Investment Flask

D-Waxing : Yes



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Casting Machine

Model No : CST

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Technical information/ Benefits.

- ⚡ Ideal For Gold, Silver & Brass.
- ⚡ High-quality Production
- ⚡ Saving Time.
- ⚡ Enhancing Efficiency.

Model No	Capacity	Supply	Weight	Temp Capacity	Body Temp	Size	Power	Vacuum Pump	Body	Application
CST	4x8" Max Flask	3PHASE-440V AC	150 KG	NA	NA	30" X 30" X 42"	2KVA	750 LPM	MS Dual Powder Coated	To Cast Jewellery In Gold Silver & Brass



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Double Tank Casting Machine

Model No : DCST

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Technical information/ Benefits.

- ⚡ Built For High-speed Production.
- ⚡ Advanced System.
- ⚡ Reliable Performance.
- ⚡ Doubling Productivity.

Model No	Capacity	Supply	Weight	Temp Capacity	Body Temp	Size	Power	Vacuum Pump	Body	Application
DCST	4"x8" Max Flask	3PHASE-440V AC	180 KG	NA	NA	42" X 32" X 42"	3KVA	1000 LPM	MS Dual Powder Coated	To Cast Jewellery In Gold Silver & Brass



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Mini Casting Machine 2 In 1

Model No : 21CST

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Technical information/ Benefits.

- ⚡ Boost Your Creativity In Jewellery.
- ⚡ Multiple Functions.
- ⚡ Saving Valuable Space.
- ⚡ Rapid Casting.



Model No	Capacity	Supply	Weight	Temp Capacity	Body Temp	Size	Power	Vacuum Pump	Body	Application
21 CST	4"x8" Max Flask (Bigger Size Available on Demand)	1PHASE-240V AC	95 KG	NA	NA	21" X 24" X 22"	1KVA	350 LPM	MS Dual Powder Coated	To Cast Jewellery In Gold Silver & Brass & Remove Air From Investment Powder



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Investment Powder Vacuum Machine

Model No : PVM

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Technical information/ Benefits.

- ⚡ Achieves High Vacuum Levels.
- ⚡ Eliminate Air Bubbles.
- ⚡ Smooth Casting Surfaces.
- ⚡ Superior Quality In Production.

Model No	Capacity	Supply	Weight	Temp Capacity	Body Temp	Size	Power	Vacuum Pump	Body	Application
PVM	4 Flask of 3x8" Can Be Vacuumed Together	3PHASE-440V AC	150 KG	NA	NA	30" X 30" X 42"	2KVA	550 LPM	MS Dual Powder Coated	To Remove The Air From The Investment Powder



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3D PRINTER

Model No : Sonic Mighty
8K/12K/Revo



Technical information/ Benefits.

- ⚡ Employs A High-resolution
- ⚡ Lcd Screen.
- ⚡ Cure Liquid Resin Layer By Layer.
- ⚡ 3d Models With Smooth Surface Finish.

Model No	MIGHTY 8K	MIGHTY 12K	MIGHTY Revo
Heater	No	No	Yes
Plug - in Air Purifer	No	No	Yes
Auto Leveling	No	No	Yes
Printer Size	33.7 x 33.7 x 51.6 cm		35.3 x 34.5 x 51.7 cm
Print Volume	21.8 x 12.3 x 23.5 cm		22.3 x 12.6 x 23.5 cm
XY Resolution	28 µm	19 µm x 24 µm	16.8 µm x 24.8 µm
Print Speed	400 layers/hr		450 layers/hr
Rail	Dual Linear Guide (Lead Screw)		Dual Linear Guide (Ball Screw)
Operation	5" Touch Panel		
Release Film	nFEP Film		
File Format	.CTB	.CTB, PRZ	.CTB, PRZ
Storage	3.5 GB	8 GB	8 GB



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Asha Resin

Color : ■ Green
■ Black

Technical information/ Benefits.

- ⚡ Castable Resin.
- ⚡ Exceptional Casting.
- ⚡ Minimal Shrinkage And Ash Content.
- ⚡ Ensuring High-quality Jewellery Production.



Application



Compatible with
DLP / SLA / LCD Printers



Jewellery industries / Casting /
Silicon Die / Wax Setting



Dental
Industries

MATERIAL PROPERTIES

Wave Length	- 385 nm - 410 nm
Contents	- 1.0 kg / 500 gm
Color	- Leaf Green
Density	- 1.078 gm / cm ³
Viscosity	- 450 - 500 cps
Ultimate tensile strength	- 10.3 Mpa



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