



S-WEINA[®]

The Power of Imagination

PRODUCT CATALOG



Through Technology, We Transform Businesses

where
trust &
ethics
are
tradition

S-WEINA

is a team of creative & innovative people
that strive to accomplish the requirements of client
by designing and delivering product & processes.

Our Story

Started in the year 1999 with the clear intension to provide import substitute products in the field of Jewellery Manufacturing. To offer quality products and improving the techniques of casting was the aim of the founder Shri Kamlesh Mistry. Through the years a series of technology collaborations, R&D efforts and experience in diverse applications and industrial areas including Dental Industry, Laboratory & Industrial furnace manufacturing, have made "S-WEINA", a brand a people can trust for quality results from the equipment provided.

We measure our success based on our client's success. Our culture, enthusiasm and knowledge in the business gives our clients the assurance to rely on us.

INTEGRITY

Integrity is more than a system. It's a system of behavior. It's about doing what's right for others and holding yourself accountable. After all, consistent results are more rewarding than consistent promises.

SUPREMO TURBO PRESSURE CAST

SUPREMO TURBO CAST

Maximizes pressure
Gives High Density
Casting

WASHING MODE

Eliminates chances of
reaction of metal at the
time of melting

CHURNING

Mixes the metal
during casting

GRANULE MAKING

Easy way to
make alloy

INDUCTION HEAT

Powerful 10KW
Induction heating
melts the metal quickly

HMI + PLC

7" Touch Screen
Display with
PLC programming

NO NEED TO CHANGE ADAPTERS

Various sizes of flask
can be accommodated
without changing the
adapter & gaskets

SUPREMO TURBO CAST



SUPREMO TURBO CAST is newly developed casting machine keeping in mind ease of loading of flask and auto pouring of metal.

A special function called **TURBO** maximizes pressure required at the time of casting, thus gives **High Density Casting**. Metal can be melted under Vacuum or Protective Gas environment, reducing chances of porosity.

2 KG MELTING	5" X 10" FLASK	2 BAR PRESSURE	63 CFM VP
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MINI ULTRA PRESSURE CASTING MACHINE

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INDUCTION HEATING

Faster way to melt metals as compared to conventional heating.

IMPROVED CONTROL PANEL

With improved control panel, parameters are easy to set. Panel @ perfect eye angle ensured ease of operation

METAL CASTING WITH PNEUMATIC SWITCH

A simple to cast - stopper movement, with pneumatic switch. A perfect locking mechanism ensuring 0% metal leakage.

POWERFUL VACUUM

25 cfm Busch Make Vacuum Pump blasts the vacuum in the casting chamber

CASTING WITH PRESSURE

Metal casting with required pressure for filigree work

WASHING MODE

Manual washing mode to remove impurities from the melting chamber

VIBRATION KILLS MICRO POROSITY

Less chances of porosity as a result of vibration effect

SAFE CASTING

Minimum training is required to cast the metal.

CENTRAL LOCK

Pneumatic central locking arrangement ensures perfect lock every time, more safer & more powerful as compared to conventional system

SAFETY CRUCIBLE

Safety Crucible takes the place at the bottom of the Melting chamber when casting chamber is opened, thus metal/ash can be collected

Featuring

**CENTRAL
LOCKING**



TECHNICAL SPECIFICATION

Electrical	:	440V AC, Three Phase
Power Consumption	:	5 KW
Max. Temperature	:	1150° C
Gold Capacity	:	500 gms
Vacuum Pump	:	25 cfm
Max. Flask Size	:	4" Dia x 10" Height
Maximum Pressure	:	2 Bar
Protective Gas	:	Argon, Nitrogen or Helium

AUTO MINI PRESSURE CASTING MACHINE

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INDUCTION HEATING

Faster way to melt metals as compared to conventional heating.

Mini TURBO CAST

Pressure of protective gas like argon, nitrogen or helium, during the casting process makes casting dense

ONE BUTTON OPERATION

Once all the required parameters are set on the programmer, machine takes care of all the parameters and does fully auto casting

POWERFUL VACUUM

25 cfm DVP Make Vacuum Pump blasts the vacuum in the casting chamber

CASTING WITH PRESSURE

Metal casting with required pressure for filigree work

WASHING MODE

Eliminates chances of reaction of metal at the time of melting

VIBRATION KILLS MICRO POROSITY

Less chances of porosity as a result of vibration effect

SAFE CASTING

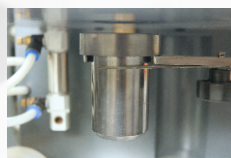
Minimum training is required to cast the metal.

FULLY TOUCH SCREEN PLC

7" touch screen display with PLC programming & 50 Program memory

SAFETY CRUCIBLE

Safety Crucible takes the place at the bottom of the Melting chamber when casting chamber is opened, thus metal/ash can be collected



TECHNICAL SPECIFICATION

Electrical	:	440V AC, Three Phase
Power Consumption	:	5 KW
Max. Temperature	:	1150° C
Gold Capacity	:	500 gms
Vacuum Pump	:	25 cfm DVP Make
Max. Flask Size	:	4" Dia x 10" Height
Maximum Pressure	:	3 Bar

WATER JET TREE CLEANING SYSTEM

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ROBUST CONTRUCTION

Entire fabrication is made out of Stainless Steel heavy duty sheets, angles pipes to withstand the higher working pressure

HIGH SPEED PRESSURE PUMP

3 Piston high speed pressure pump used, for fastest and deep cleaning. can even remove dense investment powder

SPECIAL NOZZLE DESIGN

Design of the jet nozzle ensures essential spread on the tree as well as high pressure point to clean the depth of the article.

DIAMOND COLLECTION TRAY

A fine mesh fitted in the diamond collection tray, eliminating tiny metal pieces or diamond going inside the settling tank.

SETTING TANK

Settling tank at bottom can settle the powder, which is removed from the flask, to recheck for metal particles in case left any

CASTER WHEEL WITH LEVELLING BASE

Wheels for easy movement of machine, and anti-skid levelling base to reduce vibration jerks while operating

WIDE VIEWING WINDOW

Wide vision viewing window made of toughen glass, vision does not get blurry like in case of acrylic window

MINIMUM PARAMETER

Easy to read & operate includes only important & essential parameters.



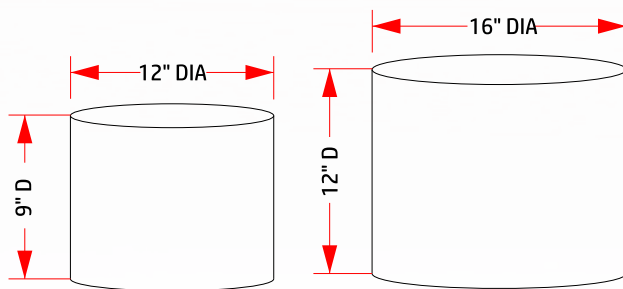
TECHNICAL SPECIFICATION

Electrical	:	440V AC, Three Phase
Power Consumption	:	3 HP
Max. Operating Pressure	:	400 psi
Pump Type	:	3 Piston Heavy Duty
Jet Nozzle	:	2mm
Fabrication Grade	:	SS 304

MAGNETIC POLISHER

Special Attributes :

- Powder Coated M.S. Fabrication lasts long
- Fully automatic - having Forward & Reverse motion, which is managed by Programmable Controller
- Used for Prime Polish
- Fantastic Speed range of 2800 RPM
- Gives bright finish to jewellery
- Forward & Reverse timer with total time
- Polishes hard-to-reach areas where hand & tools can't reach



AVAILABLE SIZES :



STRIPPING MACHINE

Special Attributes :

- Used for polishing hard to reach places like diamond pockets after cast of invisible settings.
- Standing Unit ensures ease of operation
- Digital PID Temperature Controller
- Powder Coated MS Body, Working Tank - Stainless Steel 316
- Digital Timer with Auto/Manual mode
- Analogue ampere and volt indicator

TECHNICAL SPECIFICATION

Electrical	: 230V AC, Single Phase
Power Consumption	: 4.5 KW
Water Capacity	: 10 Litre
Max. Temperature	: 99 °C
Max. Timer	: 99 Sec
Output	: 0 ~ 25 V DC



IR ROTARY BURNOUT FURNACE

KANTHAL MAKE ELEMENT

more reliable heating element
design according to surface load

IR HEATERS

medium wave IR Heaters are considered
as fastest way of generating heat energy

UNIFORM HEATING

Vacuum formed insulation board of 1425 C
& 1260 C resist heating keeps outer case cool

FASTER HEAT PENETRATION

flasks works as wings of fan so that
heat penetration is faster than other method

ADJUSTABLE ROTARY PLATFORM

floor platforms are easily adjustable
as per flask length

POWER SAVING

With help of PID tuning & leak proof
heating chamber approx. 40% power saving

FLASK COUNTER

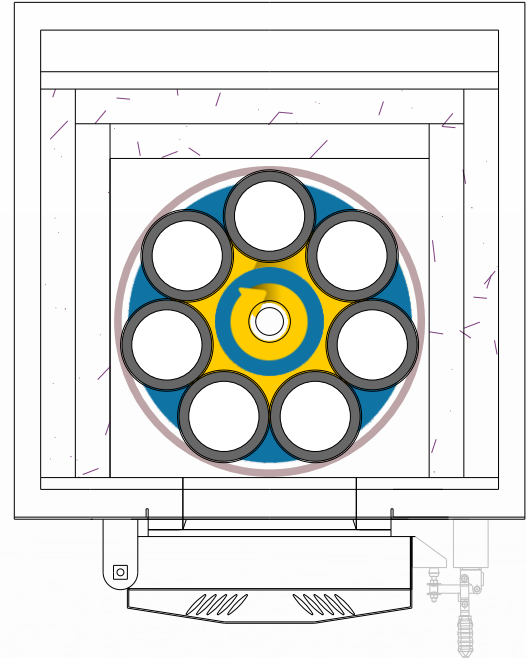
Rotating Flask number counter with foot pedal
stops the flask at desire position

EASILY MOVABLE THRU WHEEL

heavy duty caster wheels for easy relocation

PROGRAMMABLE CONTROLLER

18 programs, 8 steps each



**40%
POWER
SAVER**



**TEMP.
UNIFORMITY
THROUGHOUT
HEATING ZONE**

**HIGHER
TEMP.
ACCURACY**

**NO
BRICK WORK
ONLY
VACUUM FORMED
INSULATION**

**DEWAXING
@ EACH
FLOOR**

**COMPACT IN SIZE
REQUIRES
LESS
WORKING AREA**

**OVER TEMP.
SAFETY
PROTECTION**

**EASY TO
RELOCATE
THRU
CASTER WHEEL**

IR ROTARY BURNOUT FURNACE



ROTARY OPTION

**SINGLE FLOOR
TWO FLOOR
THREE FLOOR
FOUR FLOOR**

NO OF FLASK	5 FLASK	9 FLASK
POWER	6 KW	9 KW
TEMP	800 DEG	800 DEG



CUSTOMISED MODEL AVAILABLE
FOR BIGGER FLASK SIZE & MORE NUMBER OF FLASK
ADDITIONAL FEATURE

TOUCH SCREEN 5.7" PLC BASED 50 PROGRAMS, 15 STEPS EACH

TOUCH SCREEN 10" PLC BASED 50 PROGRAMS, 15 STEPS EACH

MOBILE OPERATION- SCREEN MIRRORING WITH VIEW/EDIT FEATURE (Note :
Internet Connection with static IP to be provided by BUYER)



THREE FLOOR FURNACE

TOTAL FLASK	POWER CONS.	FLASK @FLOOR
15	9 KW	5
18	12 KW	6
21	15 KW	7
24	18 KW	8
27	21 KW	9
30	24 KW	10
60	27 KW	20



INDUCTION MELTER WITH INBUILT COOLING SYSTEM

S-WEINA®
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Induction
Melting
Technology

POWERFUL INDUCTION HEATING

Medium Frequency waves of Induction
Melting is ideal for Gold Melting Application



Ideal for
Factory Use

NO CHILLER UNIT / WATER TANK / COOLING TOWER REQUIRED

Powerful, High Built Radiator Inbuilt Cooling
System is used, no need to depend on external
Cooling System



Inbuilt
Cooling
System

NEW IMPROVED CONTROL SYSTEM

Newly developed control system
looks after all the important parameter
including, digital temperature as well as ampere,
over current limit sensor break etc



Melts metal
in 8-10
minutes



Light Weight
& less space
consuming



Crucibles to be use



No Heat loss
during the
Process



Easily
Movable
thru caste
wheel



INDUCTION MELTING FURNACE

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UNIFORM HEATING

Vacuum formed insulation board of 1425 C
& 1260 C resist heating keeps outer case cool

POWER SAVING

With help of PID tuning & leak proof
heating chamber approx. 40% power saving

FASTER HEAT PENETRATION

faster heat penetration into the crucible
as compared to convection method

DIGITAL TEMPERATURE CONTROL

Digital Temperature Controller indicates and controls
temperature accurately

MELTING	POWER	MAX TEMP	ELECTRICAL
500GMS	3.5 KW	1150 C	230V,1 PH
1 KG	4 KW	1150 C	230V,1 PH
2 KG	5 KW	1150 C	230V,1 PH
3 KG	7.5 KW	1150 C	440V,3 PH
5 KG	10 KW	1150 C	440V,3 PH

HIGHER TEMP MELTING FURNACE ARE ALSO AVAILABLE

**INDUCTION MELTER WITH MOTORISED TILTING SYSTEM
CAN BE PROVIDED AS PER REQUIREMENT.**

**INDUCTION MELTER WITH SEPARATE CHILLER
FOR REFINERY AND HEAVY USES CAN ALSO
BE PROVIDED.**

**SPEEDO MELT IS AVAILABLE IN
1 -1 KG & 2-2 KG OPTION**



CAST REMOVER

POWERFUL PUSH

A Hydraulic Pusher, pushes the High Dense Casting from the flask

INCREASES THE FLASK LIFE

No hammering is required to empty the casting tree from the flask casing

FLASK TYPE-ALL ROUNDER

Flask with Flange & Without Flange can be used

REDUCES JET PROCESS

Reduces Water Jet Cleaning process as major portion of the Investment Casting comes out during the process

THERMAL SHOCK PROOF

No need to dip Hot Flask into the water for breaking

REDUCED METAL QUENCH

No water is used during the cast Removing process, thus reduces metal quenching

TWO WAY OPERATION

Can be operated thru Panel switch as well as with Foot Switch/Remote



Cast Remover is a device to reduce the investment from the Casting Flask after the casting process. Powerful Hydraulic Piston pushes the casting away from the flask leaving the flask cylinder untouched.

VACUUM INVESTMENT MIXER

5 NOZZLE

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REDUCES REJECTION RATE

Ensures more efficient production
& increases output.

POWERFUL VIBRATION

Flask settling in vibration mode once the
pouring process is done.

EXCELLENT SKIN QUALITY

As Mixing & pouring is done under
High Vacuum

ACHIEVE GREATER DEFINITION

As air bubbles are removed from mold cavities
good mold definition occur for superior results

SAFETY IS THE BASIC PRIORITY

Reduce your exposure to
potentially harmful silica dust particles.

BUSCH VACUUM PUMP

Powerful 40 CFM BUSCH make
Vacuum Pump ensures high
vacuum thus keeps best finish
to the investment.

TECHNICAL SPECIFICATION

Electrical	: 440V AC, Three Phase
Power Consumption	: 2.5 HP
Volumen of Investment	: 10 Kg Powder Mixing
Max No. of Flask	: 5 Nos.
Vacuum Pump	: 40 CFM

**AQUA VERSION VACUUM PUMP
IS AVAILABLE IN
40 CFM & 63 CFM MODELS**



IR MELTING FURNACE 1KG & 2 KG

IR HEATERS

medium wave IR Heaters are considered as fastest way of generating heat energy



IR Based Melting Technology

UNIFORM HEATING

Vacuum formed insulation board of 1425 C & 1260 C resist heating keeps outer case cool



Melts metal in 10-15 minutes

FASTER HEAT PENETRATION

with IR technology faster heat penetration into the crucible as compared to convection method



No Heat loss during the Process

ADJUSTABLE CRUCIBLE PLATFORM

even an amount of 10 gms of metal can also be melting using small crucible on a platform



Specially Designed for Showroom

POWER SAVING

With help of PID tuning & leak proof heating chamber approx. 40% power saving



Light Weight & less space consuming

EASY TO RELOCATE

With 14 KG Weight and 21"H x 12"W x 12"D can be relocate in minutes



Ideal for 2-3 Melting a day

DIGITAL TEMPERATURE CONTROL

Digital Temperature Controller indicates and controls temperature accurately



No Chiller/Cooling Tower Required

Crucibles to be use



TECHNICAL SPECIFICATION

Electrical	:	230V AC, Single Phase
Power Consumption	:	1.6 KW
Maximum Temperature	:	1150 °C
Melting Capacity	:	1 Kg & 2 Kg
Heating Element	:	IR Heating Element

PNEUMATIC VULCANIZER

AUTO PRESSURE ADJUST

Pneumatic Press ensures uniform & auto pressure during the process



Auto Pressure
Adjust thru
Pneumatic
Valve

UNIFORM HEATING

Aluminum plates gives uniform heating uniformly into the die area



Rust free
Powder
Coated Finish

FASTER HEAT PENETRATION

with IR technology faster heat penetration into the crucible as compared to convection method



Solid
MS Work
Plate

ADJUSTABLE CRUCIBLE PLATFORM

even an amount of 10 gms of metal can also be melting using small crucible on a platform



Maximum
opening of
5 Inch

POWER SAVING

With help of PID tuning & leak proof heating chamber approx. 40% power saving



Auto cut-off
Heat with
Timer

EASY TO RELOCATE

With 14 KG Weight and 21"H x 12"W x 12"D can be relocate in minutes



Fully
Mild Steel
Fabricated

DIGITAL TEMPERATURE CONTROL

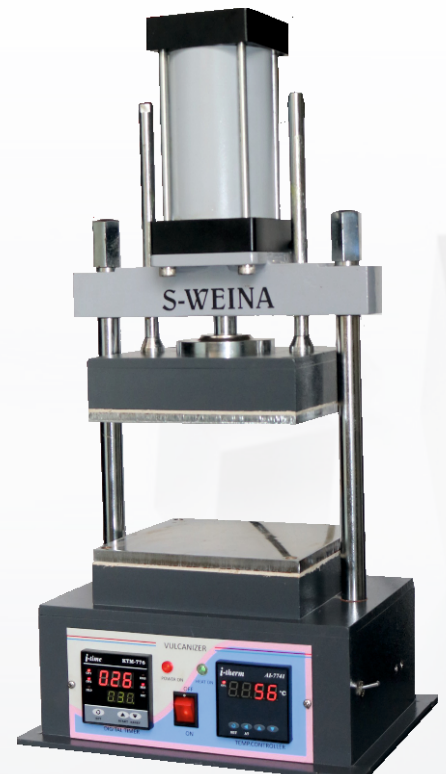
Digital Temperature Controller indicates and controls temperature accurately



High Density
Heater



100%
2 way
Heating



TECHNICAL SPECIFICATION

Electrical	:	230V AC, Single Phase
Power Consumption	:	1 KW
Maximum Temperature	:	250°C
Maximum Timer	:	999 Minutes
Working Area	:	8" Width x 9" Depth
Maximum Opening	:	5"
Pneumatic Air Press.	:	6 ~ 8 bar

WE ALSO HAVE,

BIGGER WORKING PLATE, HIGHER TEMPERATURE, HYDRAULIC CYLINDER

3-IN-1 CASTING MACHINE

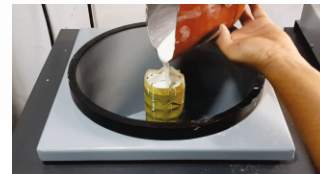
3 different applications In single machine itself. The first operation is melting of gold, silver & copper. Melting can be done by low voltage resistance system. Imported programmable PID controller controls the temperature in the chamber. Second is investment operation wherein investment is made under vacuum. A digital timer controls the timing of investment. Third is the casting operation in which a single stage high vacuum pump is used for perfect cast.

Special Attributes :

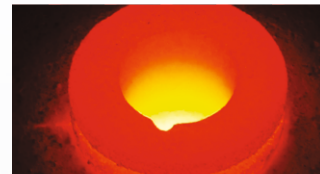
- Ideal for Investment, Melting & Casting
- Multi Purpose use of investment chamber - powder investment for casting & liquid mould
- Digital PID Temperature Controller
- Soft Power Triggering Systems
- Isolated Low Voltage Heating Systems
- Separate on/off switched for Vacuum & Heating
- Digital Timer with Auto/Manual Mode
- Casting Chamber - Stainless Steel
- High Vacuum Suction
- Powder Coated MS Fabrication
- Transparent Acrylic Top Cover ensures visibility of Investment Process
- Easily movable through wheel



Powder Investment



Metal Melting



Casting



OPTIONAL FEATURE INCLUDES,

VIBRATION , AUTO RELEASE,
PNEUMATIC VAC IN ,
AUTO CYCLE END, 2 KG & 5 KG MELTING
CAPACITY, BUSCH VACUUM PUMP,
BIGGER FLASK SIZE

TECHNICAL SPECIFICATION

Electrical	:	230V AC, Single Phase
Power Consumption	:	2.2 KW
Investment Chamber	:	13" Dia x 9" Depth
Max. Flask Size	:	4" Dia x 8" H (Adapter 3.5", 3")
Digital Timer	:	999 Seconds
Melting Capacity	:	1 Kg
Melting Temperature	:	1150 Deg C
Vacuum Pump	:	600 Lit/min

2-IN-1 CASTING MACHINE

Special Attributes :

- Ideal for Investment & Casting
- Multi Purpose use of investment chamber - powder investment for casting & liquid mould
- Soft Power Triggering Systems
- Digital Timer with Auto/Manual Mode
- Casting Chamber - Stainless Steel
- High Vacuum Suction
- Powder Coated MS Fabrication
- Transparent Acrylic Top Cover ensures visibility of Investment Process
- Easily movable through wheel



Powder Investment



Casting



CUSTOMISED MODEL AVAILABLE FOR BIGGER FLASK SIZE.

FLASK SIZE 4 X 10	FLASK SIZE 5 X 12	FLASK SIZE 6 X 14	FLASK SIZE 8 X 18
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OPTIONAL FEATURE INCLUDES,
VIBRATION , AUTO RELEASE,
PNEUMATIC VAC IN ,
AUTO CYCLE END

TECHNICAL SPECIFICATION

Electrical	:	230V AC, Single Phase
Power Consumption	:	1.5 KW
Investment Chamber	:	13" Dia x 9" Depth
Max. Flask Size	:	4" Dia x 8" H (Adapter 3.5", 3")
Digital Timer	:	999 Seconds

BLASTO CAST

- 3 Flasks can be cast at a time - Higher Production rate
- Blasto Tank Enables Powerful Casting
- Vibration kills micro-porosity
- Single Button Operation
- Auto Cut off & Auto Release
- Independent casting Chamber
- Stainless Steel Construction
- Saves Time & Resources

4 CHAMBER & 2 CHAMBER
BLASTO CAST
IS ALSO AVAILABLE



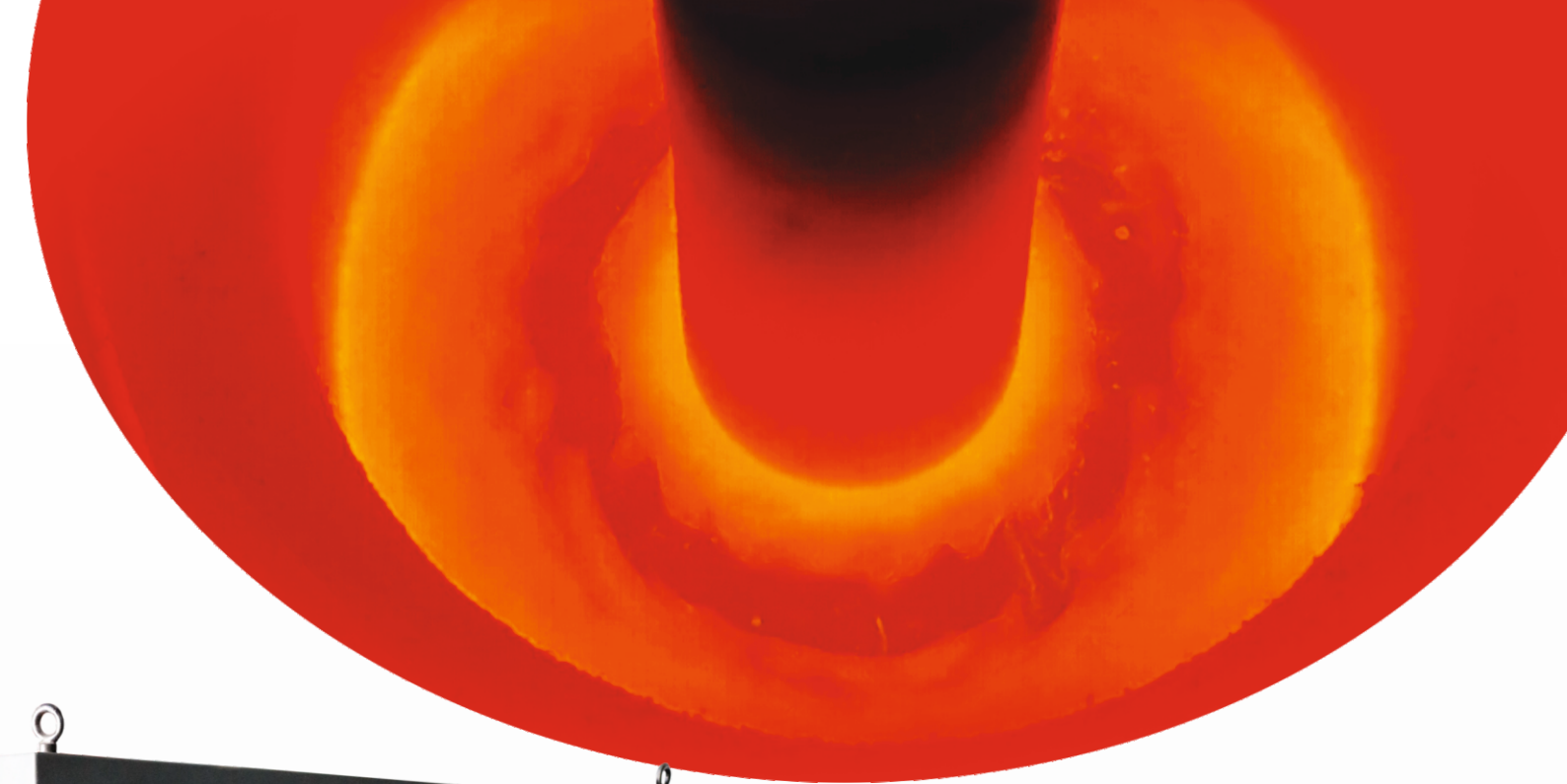
TECHNICAL SPECIFICATION

Electrical	: 440V AC, Three Phase
Power Consumption	: 3 KW
Flask Capacity	: 4" Dia x 10" Height
Max. Timer	: 99 minutes
Vacuum Pump	: 63 CFM
Req Air Pressure	: 6~8 bar



CUSTOMISED MODEL AVAILABLE FOR BIGGER FLASK SIZE.

FLASK SIZE 4 X 10	FLASK SIZE 5 X 12	FLASK SIZE 6 X 14	FLASK SIZE 8 X 18
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INDUCTION GOLD MELTING FURNACE

Capacity : **200 KG GOLD**
with Dual Hydraulic Titling System.



Graphite Crucible
Melting System



Silicon Carbide Crucible
Melting System



www.s-weina.com



[www.youtube.com
/@s-weina9037](http://www.youtube.com/@s-weina9037)



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