

# COMPACT 55·3 | VT 55·3

LOW TENSION HEAT TREATMENT MACHINE – RESISTANCE METHOD A

## DIMENSIONS:

Depth 960 mm

Width 779 mm

Height 1035mm (with wheels)

## WEIGHT:

290 kg

## POWER:

55 KVA

## OUTPUT NR.:

n. 3 independent outputs

## MAIN TECHNICAL CHARACTERISTICS:

- max current in output 200A
- three phase power supply 400V 50
- current absorption 80A
- power control by static switch SCR
- single output power 18 KVA (n.4 heating elements for each output-50A)
- continuous temperature regulation 0 to 1000°C
- automatic regulation of heat treatment cycle temperature
- manual/automatic mode regulation
- insulation transformer with 55 KVA power
- Over temperature security
- 125A magneto-thermic general switch
- IP 20 security protection
- N. 1 microprocessor temperature electronic board suitable to control 3 outputs with the following characteristics:  
mode selection: manual/automatic  
PID regulation  
variable band alarm selectable by operator  
linear interpolation of thermocouple  
automatic room temperature compensation



[Image shows 110kw model with the optional paper recorder assembled as example]

- **Compact-VT 55/3** : variable tension from 0 to 90V
- **Compact 55/3** : fix tension 45V or 90V

---

*“Power control by static switch SCR allows a more accurate and appropriate power managing”*

---

## VIDEOGRAPHIC TOUCHSCREEN 7" PROGRAMMER / RECORDER

- TFT 7" touch screen display, 800x480 pixel with backlighting
- Functioning temperature -20 +65 °C
- Degrees °C or °F
- Accuracy class 0,3
- Set points, hold times, heating and cooling gradients, absorbed current and alarms setup
- Programming memory with 10 pre-set heating cycles.
- 8GB recorded cycles memory (equivalent to thousands of heating cycles)
- Recorded cycles download on USB key
- Status alarm (High and low temperature, interrupted thermocouple)
- Multilanguage (Italian, English, French and Spanish)
- Integrated instruction manual
- Protection Degree IP65



## PAPER AUXILIARY RECORDER ASSEMBLED ON THE MACHINE (OPTIONAL TO BE REQUESTED)

Microprocessor temperature recorder, range 0 ÷ 1000°C,

Ni/Cr-Ni/Al "K" type thermocouples, flowing of diagram paper 20 mm/h, n. 6 plotting points, width of scale 100 mm.

- Inputs, paper speed and scale range programmable
- precision  $\pm 0,3\%$  of the scale range  $\pm 1$  digit
- dimensions 144 x 144 mm



POWER CABLES



*N. 3 Bi-polar cables connecting the power unit to the heating element cables*

- Length 15 Mt standard (other lengths available upon request)
- Sect. 50 mmq
- Rubber insulation
- Connectors for 400A welder

HEATING ELEMENTS CONNECTING CABLES



*N. 6 Four-way cables connecting the power cables to the heating elements*

- Length 1,3 Mt (other lengths available upon request)
- Sect. 10 mmq
- High temperature silicon insulation
- n. 1 connectors for 400A welder and n. 4 connectors with 1/4 turn 60 A quick coupling.

THERMOCOUPLE CONNECTING CABLES



*N. 3 Extension cables type "KX" for the thermocouple connection*

- Length 15 Mt standard (other lengths available upon request)
- Insulation PVC+PVC 105°
- Polarized connectors type "K"

**Contatti:**  
**Suntec srl** Via Leonardo da Vinci, 15-17  
 26010 Campagnola Cremasca (CR)  
 Email: [info@suntec.it](mailto:info@suntec.it)  
 Web site: [www.suntec.it](http://www.suntec.it)