





Power Plants
Industrial Machining and Assembly
Chemical e Petrochemical Industries
Civilian and Military Shipyards
Off-shore Drilling
Boiler-building





HEAT TREATMENT EQUIPMENT

"When does the school year start?"

"What kind of a question is this?!?! The school year starts on October 1st"

"OK, it once used to be like that."

"No, look, believe me: school year always starts on October 1st!!!"

It's October 1st. I still have vivid memories of my anticipation for that day, the day that would have become a milestone in my life. The day I keep considering a milestone of my life.

It is my first day in school. I am sitting at my desk. Ringing voices, distant laughs, footsteps in the corridor. The day has begun, the first day in school has begun. Silence. Everybody stands up. The choral "good morning" and then we are ready to start.

"I am opening my new exercise book".

This is how I feel every day, as on my first day in school. And I felt exactly the same when, despite all of my insecurities, I took on the challenge of "opening SICORT Middle East exercise book". A long diary full of success, along with some failures, that have been stubbornly solved and turned into opportunities for growth. Today, well over thirty years later, I am not yet satisfied. When I wake up every morning to face a new day, I wonder: "What will I write on my SICORT Middle East diary today?" and, exactly as it used to happen on my first day in school, I leave home confident that I will do something good.

For myself and for my customers.

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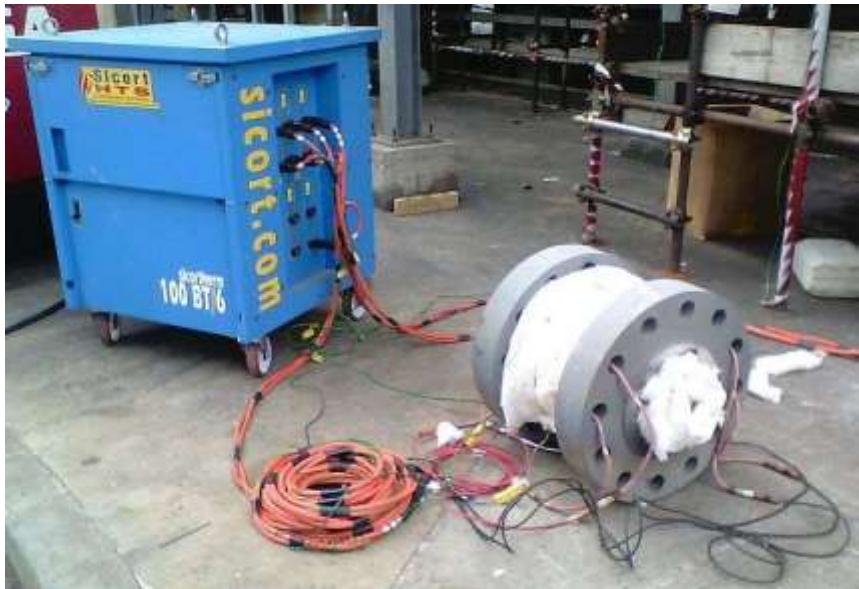
The simplest thing to do would be filling our presentation with technology. We would rather like talking about us. Tell about our real evolution goes through the needs of our customers, our own needs and those of the products we are taking into consideration.

Indeed there is no technology without the human, cultural and organisational evolution which our Firm has achieved. As a matter of fact, it is not our habit depending upon "technical facilities", rather the way they are used.

For this reason we base our choices upon process analysis and organisation, in order to achieve an operational phase aligned with every desired feature.

Whilst introducing our Heat Treatment units, we guarantee and certify each production step is constantly monitored by our system. The results of almost fifty years of experience translate into our new equipment for heat treatments and pipe welding process control.

HEAT TREATMENT EQUIPMENT



SME-HTE range is the right answer to all those who demand great operational versatility without huge management costs.

All of our units undergo rigorous testing before delivery and every customer's expectation is thoroughly matched.

The unit frames are studied to withstand uneven ground and the extreme conditions typical of construction sites. Besides, an anticorrosive treatment ensures high protection against adverse environment conditions.

Low-Voltage Resistance Unit mod. SME-HTE EVO



Low-Voltage Resistance Unit mod. SME-HTE



P/N	Model	Rating kVA	Output Channels	Output (V)
001-002-101	SME-HTE 100-6 EVO	100 (others upon request)	6	60/80
001-002-102	SME-HTE 100-6	100 (others upon request)	6	60/80
001-002-103	SME-HTE 50-6	50 (others upon request)	6	60/80
001-002-104	SME-HTE 100-12	100 (others upon request)	12	60/80

Shown above are Low Voltage heat treatment units. The unit performs pre-heating and subsequent heat treatment of welded joints (pipelines, tanks, oil tanks, fittings, adapters, elbows, etc...) of any kind and size. The use of such units stems from the following assessments: strains that may originate within a structure during welding may cause its breakage if not controlled.

Pre-heating avoids the formation of critical crystalline structures by reducing the structure porosity. The following heat treatment eliminates all inner tensions deriving from the different cooling rate of contiguous structures.

The frames of such units are manufactured in AISI 304 stainless steel. They are accurately finished, compactly built, easily transportable, reliable and long-lasting even under heavy duty conditions. They are particularly suitable for use in workshops, industrial construction sites or shipyards. Fully automated operations.

Please, refer to SICORT Middle East Heat Treatment FZ LLC for technical features.

HEAT TREATMENT EQUIPMENT



Low-Voltage Resistance Unit
mod. SME-HTE 10-3



P/N	Model	Rating kVA	Output Channels	Output (V)
001-002-105	SME-HTE 10-3	10	3	60
DIMENSIONS	H: 77 cm		L: 34 cm.	D: 46 cm.

Shown above are Low Voltage heat treatment units. The unit performs pre-heating and subsequent heat treatment of welded joints (pipelines, tanks, oil tanks, fittings, adapters, elbows, etc...) of any kind and size. The use of such units stems from the following assessments: strains that may originate within a structure during welding may cause its breakage if not controlled.

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Please, refer to SICORT HTS for technical features.

Temperature Recorder mod. ET to match with
ETTS-R6 Units

P/N	Model	Input Channels	Characteristics
001-003-003	ET 6-REC	6	Temp. Recorder



P/N	Model	Input Channels	Characteristics
001-003-004	ET 12-REC	12	Temp. Recorder
001-003-005	ET 24-REC	24	Temp. Recorder



**Network Voltage Resistance Unit
mod. SME HTE TL**



P/N	Model	Rating kVA	Output Channels	Output (V)
001-004-101	SME-HTE TL-6N	120	6	230-400
001-004-102	SME-HTE TL-6F	120	6	400
001-004-103	SME-HTE TL-6S	120	6	0/400

Main voltage heat treatment units. These main voltage units were designed for stress relieving heat treatments.

Compact, lightweight, easy to handle and use. Suitable for tackling larger jobs, where other low voltage units and heater pads might prove uneconomic. Each unit output is protected by a differential switch and a MCB switch or fuses.

Maximum power: 120 kVA

No.6, 20 kVA each, independent outputs – Variable or fixed output voltage: 0 -230- 400Vac - Maximum output power: 50A - Standard supply: 400 Vac- 50/60Hz (three-phase) - No.6 electronic temperature controllers mod. HTS-08L - Analogical/display reading - No.6 output voltage regulations 0-100% or fixed - Operating modes: manual/automatic - Auto switch-off at the end of cycle - No.6 power units with thyristors or relays- No.1 60A Ammeter for each output - No.1 main MCB switch - No.6 63A MCB switches or fuses and differential switch fixed release- Dimensions (mm): W 780 x H 900 x D 1130 - Weight: 160 Kg. - User's Manual in English

For further characteristics please, refer to SICORT Middle East Heat Treatment FZ LLC.

Inverter Resistance Unit
mod. SME-HTE-INV



P/N	Mod.	Output			V	A	Input Hz	Channel output
		kW	V	A				
001-006-101	SME-HTE-INV-10.5/1	10.8	24...65	180	400 ± 15%	23	50/60	1

Please, refer to SICORT Middle East Heat Treatment FZ LLC for technical features.

Induction Unit
mod. SME-HTE-IND



HEAT TREATMENT EQUIPMENT

P/N	Mod.	Output				Input				Channel output
		kVA	V	A	KHz	V	A	Hz		
001-005-101	SME-HTE-IND40	40	990	230	3-34	400 ± 20%	48-72	50/60	1	
001-005-102	SME-HTE-IND80	80	990	330	3-34	400 ± 20%	96-144	50/60	1	
001-005-103	SME-HTE-IND120	120	990	390	3-34	400 ± 20%	144-216	50/60	1	
001-005-104	SME-HTE-IND160	160	990	500	3-34	400 ± 20%	192-288	50/60	2	

Sicort Middle East FZ LLC inverters or Static Generators, available from 40kVA to 160kVA power size, are designed for pre-heated welding and coating when an electric source is available.

The digital control of the heating cycle and the control panel display allow easy access to the main parameters involved during the heating cycle such as electricity, voltage and output power. The output power can be adjusted and the duration of the heating cycle can be programmed.

Options: 6-channel temperature recorder.

AVAILABLE ALL SIZES of INDUCTION COILS and CLAMPS

Please, refer to SICORT Middle East Heat Treatment FZ LLC for technical features.

The ET and EASYTHERM range is made up of portable units, reliable and easily transportable machines, which in smaller size offer the same technology and reliability of their "bigger sisters", powered by a welding machine.



Temperature Controller mod. ET

P/N	Model	Channel Input	Characteristics
001-003-001	ET 20-SR	1	Thermo-regulator
001-003-002	ET 20-PR	1	Programmer

Temperature control - External power connection to DC welding machine - Adjustment through SCR diodes - No.1 control output for heating pads - Power supply: 50 to 80 Vcc - Maximum output power: 180A - No.1 programmable microprocessor thermoregulator - 2 x 3 digit display with 14 mm. green LEDs - K thermocouple input signal, 0-999° C range, 0.5% f.s. accuracy - Load maximum power: 10.8 Kw - Service factor (200A): 80% - Automatic operating mode - No.2 balanced polarized outlets for K thermocouple inputs - Sizes (mm.): 220W x 230H x 380D - Weight: 9 Kg. - User's Manual in English.



Temperature Controller mod. ET

P/N	Model	Channel Input	Characteristics
001-003-003	ET 6-REC	6	Temp. Recorder



Temperature Controller mod. ET

P/N	Model	Channel Input	Characteristics
001-003-004	ET 12-REC	12	Temp. Recorder
001-003-005	ET 24-REC	24	Temp. Recorder



Temperature Controller mod. EASYTHERM

P/n	Model	Channel Output	Characteristics
001-004-001	EASYTHERM 220 S	2	Thermo-regulator
001-004-002	EASYTHERM 220 P	2	Programmer

External power connection to DC welding machine - No.2 independent outputs - Maximum voltage per output: 80V - Maximum power per output: 200A - No.2 microprocessor thermo-regulators mod. G1000- 2 x 3 digit display with 14 mm. green LEDs - K thermocouple input signal, 0-999° C range, 0.5% f.s. accuracy - Automatic operating mode (0-100%) - No.2 balanced polarized outlets for K thermocouple inputs - No.2 balanced polarized outlets for temp. recorder connection - No.1 24V auxiliary outlet - Service power supply: 220V-50Hz (other voltages upon request) - Sizes (mm.): 455W x 360H x 450D - Weight: 18 Kg.

A complete equipment range supporting heat treatment units, built with the best materials nowadays available on the market, designed to ensure the best results in your line of work. Immediate availability and constant supply of our warehouse, together with special agreements with express couriers, guarantee short delivery lead times.

HEAT TREATMENT EQUIPMENT



Twin Cable Sets (Connection between power source and splitter cable)

P/N	Models	Size	Length
050-001-001	50-70 BT & ETTS	2 x 25 mm ²	30 m.
050-001-002	50-70 BT & ETTS	2 x 25 mm ²	15 m.
050-002-001	100 BT & ETTS	2 x 35 mm ²	30 m.
050-002-002	100 BT & ETTS	2 x 35 mm ²	15 m.

Note: other sizes upon request



Triple Cable Sets

P/N	Description	Length
050-004-001	Dual insulated rubber set 16 mm ²	30 m.
050-004-002	Dual insulated rubber set 16 mm ²	15 m.
050-004-003	Dual insulated rubber set 25 mm ²	30 m.
050-004-004	Dual insulated rubber set 25 mm ²	15 m.
050-004-005	Dual insulated rubber set 35 mm ²	30 m.
050-004-006	Dual insulated rubber set 35 mm ²	15 m.

Note: other sizes upon request



Heater Pad Connecting Splitters

P/N	Ways
050-003-001	2



Heater Pad Connecting Splitters

P/N	Ways
050-003-002	3

Heater Pad Connecting Splitters

P/N	Ways
050-003-003	4

**Thermocouple Compensating Cables**

P/N	Length	Colour (IEC584)
050-005-001	5 m.	Green
050-005-002	10 m.	Green
050-005-003	15 m.	Green
050-005-004	20 m.	Green
050-005-005	30 m.	Green

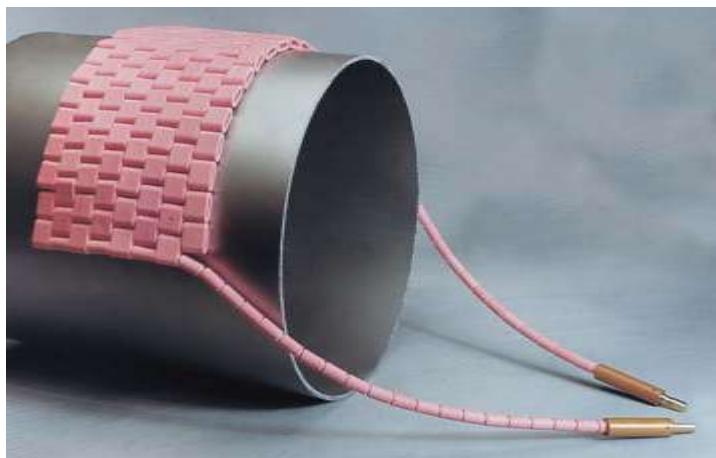
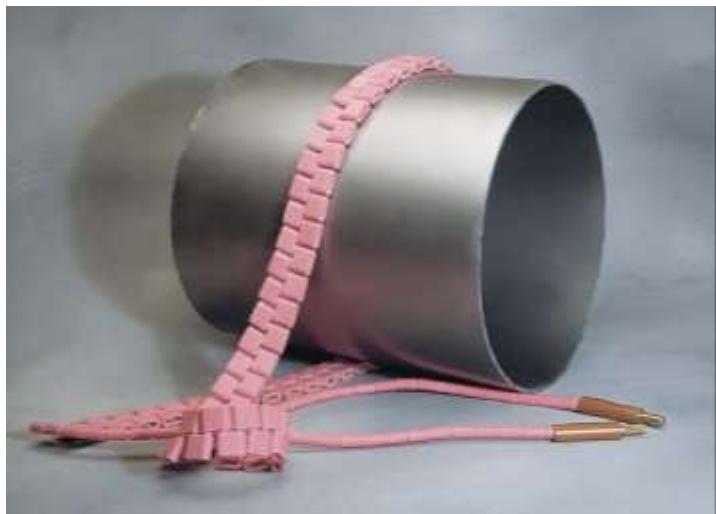
Note: other sizes upon request



HEAT TREATMENT EQUIPMENT

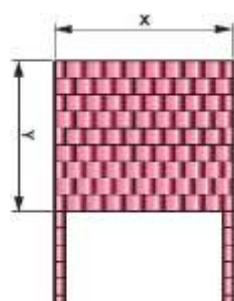


FCP Flexible Ceramic Pads (*all sizes in mm.*)



P/N	Voltage	Size X	Size Y	Rating Kw
010-001-001	30	82	254	1.4
010-001-002	30	610	45	1.4
010-002-001	60	75	660	2.7
010-002-002	60	100	505	2.7
010-002-003	60	150	335	2.7
010-002-004	60	205	250	2.7
010-002-005	60	250	210	2.7
010-002-006	60	305	165	2.7
010-002-007	60	380	145	2.7
010-002-008	60	405	125	2.7
010-002-009	60	525	105	2.7
010-002-010	60	600	82	2.7
010-002-011	60	1210	40	2.7
010-003-001	80	75	925	3.6
010-003-002	80	150	460	3.6
010-003-003	80	205	360	3.6
010-003-004	80	255	295	3.6
010-003-005	80	305	230	3.6
010-003-006	80	380	190	3.6
010-003-007	80	430	165	3.6
010-003-008	80	525	145	3.6
010-003-009	80	835	85	3.6
010-003-010	80	1670	40	3.6
010-004-001	220	330	185	9.9
010-004-002	220	460	230	9.9
010-004-003	220	510	290	9.9
010-004-004	220	615	310	9.9
010-004-005	220	655	330	9.9
010-004-006	220	710	395	9.9
010-004-007	220	845	440	9.9
010-004-008	220	112	610	9.9
010-004-009	220	4670	40	9.9

UPON REQUEST: a) other Voltages (V)
b) Hi-temp (up to 1,300° C) Kanthal D wire assembly



When ordering, please quote
size "X" first.

Tank Track Heaters (all sizes in mm.)

P/N	Voltage	Size X	Size Y	Rating Kw
010-005-001	60	75	670	2.7
010-006-001	80	75	940	3.6

**Flexible Insulated Tank Track Pre-Heaters
(all sizes in mm.)**

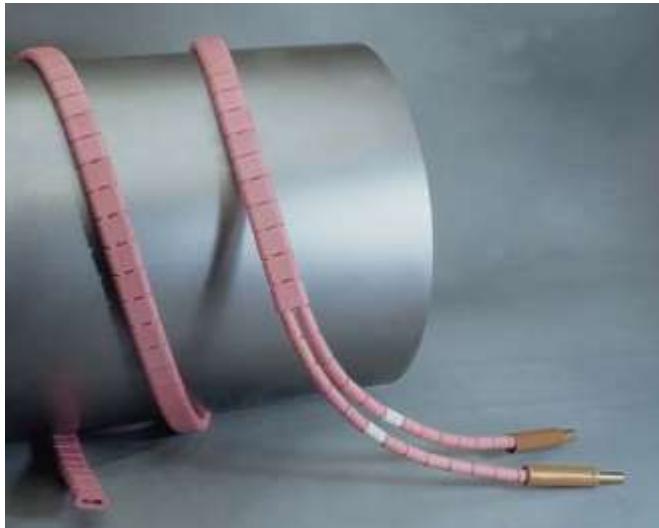
P/N	Voltage	Size X	Size Y	Rating Kw
010-007-001	60	105	768	2.7
010-008-001	80	105	1018	3.6

**FIP Flexible Insulated Pre-Heaters (all sizes in mm.)**

P/N	Voltage	Size X	Size Y	Rating Kw
010-009-001	60	105	765	2.7
010-009-002	60	715	110	2.7
010-009-003	60	130	600	2.7
010-010-001	80	105	1020	3.6
010-010-002	80	950	110	3.6
010-010-003	80	130	765	3.6



HEAT TREATMENT EQUIPMENT



Ceramic Tape Heaters (all sizes in mm.)

P/N	Voltage	Size X	Size Y	Rating Kw
010-011-001	30	1100	25	1.35
010-012-001	40	1500	25	1.8
010-013-001	60	2150	25	2.7
010-014-001	80	3000	25	3.6
010-015-001	110	4125	25	4.95
010-016-001	120	8250	25	9.9



Single Row Heaters (all sizes in mm.)

P/N	Voltage	Amps	Length	Rating Kw
010-017-001	60	45	4900	2.7
010-018-001	80	45	6500	3.6
010-019-001	90	45	7200	4
010-020-001	110	45	9000	5
010-021-001	220	45	17070	9.9

Note: other Voltage upon request



Spreader Mats



P/N	Voltage	Amps	Rating Kw
010-028-001	60	45	2.7
010-029-001	80	45	3.6

Note: when ordering, please refer to the ceramic pad heater size table on pag. 16

Stainless Steel Rope Heaters (all sizes in mm.)

P/N	Voltage	Length	Rating Kw
010-022-001	60	4300	2.7
010-023-001	80	6000	3.6
010-024-001	30	2200	1.35
010-025-001	40	3000	1.8

P/N	Voltage	Length	Rating Kw
010-022-001	60	4300	2.7
010-023-001	80	6000	3.6
010-024-001	30	2200	1.35
010-025-001	40	3000	1.8

***Stainless Steel Clamp-on Heaters***

P/N	Ø inches	Ø (mm.)	Voltage
010-026-001	1"	33.40	60
010-026-002	2"	60.30	60
010-026-003	3"	88.90	60
010-026-004	4"	114.30	60
010-026-005	5"	141.30	60
010-026-006	6"	168.30	60
010-026-007	8"	219.10	60
010-026-008	10"	273.10	60
010-026-009	12"	323.90	60
010-026-010	14"	355.60	60
010-026-011	16"	406.40	60
010-026-012	18"	457.20	60
010-026-013	20"	508.00	60
010-026-014	24"	610.00	60

Note: other Voltage upon request



HEAT TREATMENT EQUIPMENT



Stainless Steel Clamp-on Heaters



P/N	Ø inches	Ø (mm.)	Voltage
010-027-001	1"	33.40	80
010-027-002	2"	60.30	80
010-027-003	3"	88.90	80
010-027-004	4"	114.30	80
010-027-005	5"	141.30	80
010-027-006	6"	168.30	80
010-027-007	8"	219.10	80
010-027-008	10"	273.10	80
010-027-009	12"	323.90	80
010-027-010	14"	355.60	80
010-027-011	16"	406.40	80
010-027-012	18"	457.20	80
010-027-013	20"	508.00	80
010-027-014	24"	610.00	80

Note: other Voltage upon request



Capacitive Discharge T/C Attaching Units

Capacitive Discharge Thermocouple Welding Units

P/N	Type	Rating	Characteristics
005-001-001	TW 55-J	15-30-40-55 J	For wire Ø 0.5-0.7-1-1.5 mm.

Power supply: 95/230 Vac or car 12 Vac lighter socket.



P/N	Type	Rating	Characteristics
005-001-003	TW 100-J	40-60-80-100 J	For wire Ø 0.5 - 2 mm. Stainl. St. nails Ø 2.0 mm.

Power supply: 95/230 Vac or car 12 Vac lighter socket.



P/N	Type	Rating	Characteristics
005-001-004	SW 12V	Low: 31-62 J High: 122-250 J	For wire Ø 0.5 - 2 mm. St.St. nails Ø 1.5 - 3 mm.

Power supply: 110/220 Vac



P/N	Type	Rating	Characteristics
005-002-001	TW 158	20 - 50 J	For wire Ø 0.5 - 0.8 mm.

Power supply: 4 alkaline AA batteries



*) TW 55-J and TW 100-J Spare Parts

P/N	Characteristics
005-004-001	Rechargeable Battery (12v - 3,2Ah) for TW55J & TW100J
005-004-002	Insulated Pliers and Return Magnet

*) For SW 12V spare parts, please, refer to S.I.CO.R.T.



HEAT TREATMENT EQUIPMENT



Thermocouple Twisted Wire

P/N	Type	AWG	Insulation	Temp. Range
020-001-001	K	20 (0.711 mm.)	Fibreglass	705/870° C
020-001-002	K	24 (0.508 mm.)	Fibreglass	705/870° C
020-002-001	K	20 (0.711 mm.)	Ceramic Fibre	1205/1430° C

Note: sold in 100 m. rolls



Stainless Steel T/C

MGO insulated thermocouple, INCONEL 600 sheath, ungrounded junction.

P/N	Type	Length (mm.)	Ø mm.	Specifications
021-001-001	K	250	4.5	IEC 584
021-001-002	K	500	4.5	IEC 584
021-001-003	K	750	4.5	IEC 584
021-001-004	K	1000	4.5	IEC 584

Note: standard lengths. Other lengths upon request.



T/C Wire

Twisted twin wire (20 AWG), with standard balanced male plug.

P/N	Type	Length (mm.)	Ø
022-002-001	K	250	20 AWG
022-002-002	K	500	20 AWG
022-002-003	K	750	20 AWG
022-002-004	K	1000	20 AWG

Note: standard lengths. Other lengths upon request.



Stainless Steel T/C Welding Plate

P/N	Size (mm.)	Pipe Ø (mm.)
027-001-001	25 x 25	4,6

Compensating Cable

P/N	Type	Size	Insulation	Colour (IEC584)
025-001-001	K	2 x 0.50	PVC/PVC	Green
025-001-002	K	2 x 0.80	PVC/PVC	Green
025-001-003	K	2 x 1.00	PVC/PVC	Green
025-001-004	K	2 x 1.30	PVC/PVC	Green
025-001-005	K	2 x 1.50	PVC/PVC	Green

Note: other colours upon request.



HEAT TREATMENT EQUIPMENT



Thermocouple Plug Type K, Hollow Pin

P/N	Type	Colour (IEC584)	ANSI 96.1
028-001-001	K	Green	Yellow



Thermocouple Socket Type K

P/N	Type	Colour (IEC584)	ANSI 96.1
028-002-001	K	Green	Yellow



Panel Mounted Thermocouple Socket Type K

P/N	Type	Description	Colour (IEC584)	ANSI 96.1
028-003-001	K	Panel mounted	Green	Yellow



Thermocouple Putty

P/N	Packing size & shape
029-001-001	500 gr. can

CHINO Temperature Recorders (6/12/24 Channels)

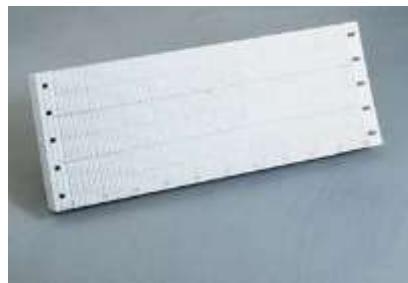
P/N	Mod.	Range	Inputs	Paper Width
030-001-001	KL 4106	0 - 1,200° C/K	6	100 mm.
030-001-002	AL 4706	0 - 1,200° C/K	6	100 mm.
030-002-001	AH 4712	0 - 1,200° C/K	12	180 mm.
030-003-001	AH 4724	0 - 1,200° C/K	24	180 mm.



CHINO Paper Chart

P/N	Type	Range	Paper Width
090-001-001	EM 116	0 - 1,200° C/linear	100 mm.
090-001-002	EM 157	0 - 1,000° C/ linear	100 mm.

Note: sold in 3-piece box



CHINO Recorder Printer Ribbon

P/N	Type	Ribbon Width
091-005-001	KL/AL	100 mm.
091-005-002	KH/AH	180 mm.



CHINO Recorder Front Panel

P/N	Type
092-010-001	KL
092-010-002	AL
092-010-003	KH
092-010-004	AH

HEAT TREATMENT EQUIPMENT



Complete Connectors (twistlock)

P/N	Description
040-001-001	Complete 60A Connector - male



P/N	Description
040-001-002	Complete 60A Connector - female



P/N	Description
040-002-001	Complete 300A Connector - male



P/N	Description
040-002-002	Complete 300A Connector - female

Complete Connectors (panel mounted)

P/N	Description
040-003-001	60A Male Twistlock



P/N	Description
040-003-002	60A Female Twistlock



P/N	Description
040-003-003	300A Male Twistlock



P/N	Description
040-003-004	300A Female Twistlock

HEAT TREATMENT EQUIPMENT



Connector Spare Parts

P/N	Description
045-001-004	60A Male Insulated Sleeve



P/N	Description
045-001-005	60A Female Insulated Sleeve



P/N	Description
045-001-006	60A Male Fibreglass Sleeve



P/N	Description
045-001-007	60A Female Fibreglass Sleeve

Connector Spare Parts

P/N	Description
045-001-001	60A Brass Twistlock Plug



P/N	Description
045-001-002	60A Brass Twistlock Socket

**Connector Spare Parts**

P/N	Description
045-001-003	60A Sleeve Locking Pin



HEAT TREATMENT EQUIPMENT



Connector Spare Parts

P/N	Description
045-002-004	300A Male Insulated Sleeve



Connector Spare Parts

P/N	Description
045-002-005	300A Female Insulated Sleeve



Connector Spare Parts

P/N	Description
045-002-006	300A Male Fibreglass Sleeve



Connector Spare Parts

045-002-007	300A Female Fibreglass Sleeve
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Connector Spare Parts

HEAT TREATMENT EQUIPMENT

P/N	Description
045-002-001	300A Brass Twistlock Plug

P/N	Description
045-002-002	300A Brass Twistlock Socket

Connector Spare Parts

P/N	Description
045-002-003	300A Sleeve Locking Pin



Complete Connectors

P/N	Description
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041-001-001	35-50 Welding (DINSE) Plug
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P/N	Description
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041-001-002	35-50 Welding (DINSE) Socket
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Panel-Mounted Complete Connectors

P/N	Description
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041-002-001	35-50 Panel-Mounted DINSE Socket
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HEAT TREATMENT EQUIPMENT

Stainless Steel Band



P/N	Description
070-001-001	Stainless Steel Band AISI 201, 1/2", 30 m. Length

Banding Tool



P/N	Description
070-001-050	Banding Tool (BAND-IT)

Stainless Steel Banding Clips



P/N	Description
070-001-002	AISI 201 S/S Buckles, 1/2", 1,00 piece box

Stainless Steel Nails



P/N	Description
070-002-001	ISO S/S Nail, Ø 2.1 x 30 mm. 1,000 piece box
070-002-002	ISO S/S Nail, Ø 2.1 x 50 mm. 1,000 piece box
070-002-003	ISO S/S Nail, Ø 2.6 x 30 mm. 1,000 piece box
070-002-004	ISO S/S Nail, Ø 2.6 x 50 mm. 1,000 piece box
070-002-005	ISO S/S Nail, Ø 2.6 x 80 mm. 1,000 piece box

Clips



P/N	Description
070-003-001	ISO IC Copper Clip, 2.6mm. 1,000 piece box
070-003-002	Clip FE 38 x 1.8 mm., 1,000 piece box
070-003-003	Clip FE Ø38 x 2,4 mm., 1000 piece box



Ceramic Fibre Insulation Roll

P/N	Thickness	Density	Width
060-001-001	25 mm.	96 kg. /m ³	7,320 x 610 mm.
060-001-002	25 mm.	128 kg. /m ³	7,320 x 610 mm.
060-002-001	50 mm.	128 kg. /m ³	3,660 x 610 mm.



Ceramic Fibre Mats

P/N	Thickness	Density	Width
060-003-001	25 mm.	128 kg. /m ³	300 x 300 mm. 1,100°C
060-003-002	25 mm.	128 kg. /m ³	600 x 300 mm. 1,100°C
060-003-003	25 mm.	128 kg. /m ³	900 x 300 mm. 1,100°C
060-003-004	25 mm.	128 kg. /m ³	600 x 600 mm. 1,100°C
060-003-005	25 mm.	128 kg. /m ³	900 x 600 mm. 1,100°C
060-003-006	25 mm.	128 kg. /m ³	1,200 x 600 mm. 1,100°C
060-003-007	25 mm.	128 kg. /m ³	1,800 x 600 mm. 1,100°C
060-003-008	25 mm.	128 kg. /m ³	3,600 x 600 mm. 1,100°C
060-003-009	25 mm.	128 kg. /m ³	7,200 x 600 mm. 1,100°C

Ceramic fibre mats may be encased with stainless steel mesh or VT ceramic cloth.



Stainless Steel Mesh Roll

P/N	Length / kg.	Width
065-001-001	3.64	635 mm.
065-001-002	6.50	330 mm.

Ceramic Pad Spare Beads

Ceramic Heater Insulator Elements

P/N	Type	Box
012-001-001	Main Body Bead	500 pcs.

P/N	Type	Box
012-001-002	Main Body Bead with fixing hole	500 pcs.

P/N	Type	Box
012-001-003	Male End Bead	500 pcs.

P/N	Type	Box
012-001-004	Female End Bead	500 pcs.

HEAT TREATMENT EQUIPMENT



Ceramic Heater Insulator Elements

P/N	Type	Box
012-002-001	Tail Bead - Pink	250 pcs.
012-002-002	Tail Bead - White	250 pcs.



P/N	Type	Box
012-003-001	Tail Junction Bead 42.0 x 9.5 mm. internal Ø	100 pcs.



P/N	Type	Box
012-003-002	Tail Junction Bead 29.0 x 7.75 mm. internal Ø	100 pcs.



P/N	Type	Box
012-003-003	Tail Junction Bead 31.8 x 7.4 mm. internal Ø	100 pcs.

Ceramic Pad Spare Beads

Ceramic Heater Insulator Elements



P/N	Type	Box
012-003-004	Olive-shaped	100 pcs.



P/N	Type	Box
012-004-001	Tank Track Main Bead	10 pcs.



P/N	Type	Box
012-001-007	Split Bead for repairs, with Forelocks	100 pcs.



P/N	Type	Box
012-001-005	Male End Bead with fixing hole	100 pcs.
012-001-006	Female End Bead with fixing hole	100 pcs.



HEAT TREATMENT EQUIPMENT



Bulk Strand Wire

P/N	Type	Composed of
015-001-001	Nickel/Chromium 60/16	19 strand
015-001-002	Nickel/Chromium 80/20	19 strand
015-002-001	Nickel 212	19 strand
015-003-001	Nickel/Chromium 80/20	37 strand
015-004-001	Kanthal D (<i>up to 1,300° C</i>)	19 strand

Note: sold in 500 m. rolls.



Heater Core Wire with Cold Tails

P/N	Type	Volts
016-001-001	Ni/Cr 60/16 wire, with Nickel 212 cold tail wire	60
016-001-002	Ni/Cr 60/16 wire, with Nickel 212 cold tail wire	80



Welding Ferrule

P/N	Box
013-001-001	100 pcs.



Flexible Insulated Pre-heaters Limpet Magnets

P/N	Type
017-001-001	Assembled pair of limpet magnets with crossbar

A range of highly efficient instruments were selected by our research centre. With SICORT Middle East Heat Treatment FZ LLC tools each control becomes easy with reliable results. Our wide selection range allows several choices, suitable to every need. SICORT Middle East Heat Treatment FZ LLC instruments are covered by worldwide warranty.

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VA18B Digital Multimeter

- PC connection via USB port
- Temperature Testing
- Diode Testing/Buzzer
- Electronic Protection System



P/N

Type

099-001-001

Digital Multimeter VA18B



VA710 Thermocouple Calibration Unit

- For J, K, T, E, R, S, B, N thermocouples (Standard NIST 175)
- Thermocouple measuring and simulation, temperature range: -250 ~ 1,800° C
- Temperature Resolution: J, K, T, E, R, S, B, N (0.3° C)
- Temperature Error: J, K, T, E, R, S, B, N ± (0.3° C + 10 µV)
- Range: (V) -10 mV ~ 75 mV
- Resolution: 0.01 mV
- Accuracy: ± (0.025% + 1 count)
- Temperature Range: ITS 90
- Power Supply: 1.5V (6 x AAA)
- Auto Switch Off

P/N

Type

099-002-001

Thermocouple Calibrator VA710



VA318 Digital Clamp Meter

P/N

Type

099-003-001

Digital Clamp Meter VA318

VA21 Digital Multimeter

P/N	Type
099-001-002	Digital Multimeter VA21

MS6500 Thermometer

P/N	Type
099-005-001	Mini-thermometer MS6500

VA6533 Infrared Thermometer

P/N	Type
099-005-002	Infrared Thermometer VA6533

VA6510 Mini-Infrared Thermometer

P/N	Type
099-005-003	Mini-Infrared Thermometer VA6510

HEAT TREATMENT EQUIPMENT



HEAT TREATMENT EQUIPMENT

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