Welding Ovens
since 1959

www.ciaovens.com

OUR RANGE

We present our CIA range of Quivers, Rod Ovens and Flux Ovens, with many updated features and new Models, all our Welding Ovens are engineered with 3D Solidworks CAD software, the panels are laser cut and bent using the latest generation laser controlled machines.

All the Stationary Rod Ovens and Flux Ovens are Digitally Controlled. We guarantee quick deliveries, competitive price and the prestige of a Premium, Quality Brand.

We have a complete stock of spare parts, also for the old series of CIA Welding Ovens.

HOLDING AND RECONDITIONING FLUX OVENS

The CIA flux ovens are used for the holding and reconditioning of flux, utilized in the submerged arc welding process. The flux agglomerated must be kept between 300°C and 350°C for 2 hours (for a maximum of 10 hours). While the perfused flux must be kept between 200°C and 250°C for 2 hours (to a maximum 10 hours). No flux can be reconditioned more than three times.
Our models are differentiated by load capacity.

C100 - Digitally controlled Flux Oven single tank

A flux hopper oven for holding and reconditioning welding flux, high density insulation, digital unit with programmable holding and reconditioning cycles, elements in contact with the flux. Complete with full calibration certificate.

C100 SPECIFICATIONS	
Capacity	80 kg
Temperature	adjustable up to 370°C
Thermostat	digital
Timer	programmable
Voltage	380 - 440 VAC
Output	4kW
Internal dims.(WxDxH)	515x515x590mm
External dims. (WxDxH)	608x635x1200mm
Weight	80 kg

C200 - Digitally controlled Flux Oven single tank

A flux hopper oven for holding and reconditioning welding flux, high density insulation, digital unit with programmable holding and reconditioning cycles, elements in contact with the flux. Complete with full calibration certificate.

C200 SPECIFICATIONS	
Capacity	200 kg
Temperature	adjustable up to 370°C
Thermostat	digital
Timer	programmable
Voltage	380 - 440 VAC
Output	6,6kW
Internal dims.(WxDxH)	695x695x730mm
External dims. (WxDxH)	753x780x1295mm
Weight	105 kg

C400 - Digitally controlled Flux Oven with two large tanks

A flux hopper oven for holding and reconditioning welding flux, high density insulation, digital unit with programmable maintenance and reconditioning cycles to run two tanks simultaneously, elements in contact with the flux. Complete with full calibration certificate.

C400 SPECIFICATIONS	
Capacity	400 kg
Temperature	adjustable up to 370°C
Thermostat	digital
Timer	programmable
Voltage	380 - 440 VAC
Output	13,2kW
Internal dims.(WxDxH)	695x695x730mm x 2
External dims. (WxDxH)	1500x790x1295mm
Weight	180 kg

C400D - Digitally controlled Flux Oven with two large tanks and two controllers

A flux hopper oven for holding and reconditioning welding flux, high density insulation, dual digital unit with programmable maintenance cycle and reconditioning, that allows setting two different cycles by time and temperature, elements in contact with the flux. Complete with full calibration certificate.

C400D SPECIFICATIONS	
Capacity	400 kg
Temperature	adjustable up to 370°C
Thermostat	digital
Timer	programmable
Voltage	380 - 440 VAC
Output	13,2kW
Internal dims.(WxDxH)	695x695x730mm x 2
External dims. (WxDxH)	1500x780x1295mm
Weight	182 kg

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PORTABLE OVENS (QUIVERS) FOR ELECTRODES

On the welding site the basic electrodes for welding steels with low carbon coalesce and the electrodes for welding stainless steels must be maintained in ovens at pre-heated temperatures between 90°C to 110°C. All the rods left over from the working day, should be returned to a Holding Oven.

P8 - Insulated Quiver with double chamber
P8T - Insulated Quiver with double chamber and thermometer

It is one of the Quivers that create our success, vertical element for an uniform heating of the rods, adjustable thermostat, basket to withdraw the electrodes. It has a neon light power indicator, comes with an ergonomic carrying handle. Thermometer is an optional extra.

P8 SPECIFICATIONS	
Capacity	7 kg
Temperature	adjustable up to 190°C
Thermostat	adjustable temperature
Thermometre	optional
Voltage	24VAC/48-85VDC/110VAC/220VAC
Output	0,3kW
Internal dims.(WxDxH)	73x93x473mm
External dims. (WxDxH)	165x200x630mm
Weight	5,5 kg

P15 - Insulated Quiver with double chamber
P15T - Insulated Quiver with double chamber and thermometer

It is one of the Quivers that create our success, vertical element for an uniform heating of the rods, adjustable thermostat, basket to withdraw the electrodes. It has a neon light power indicator, comes with an ergonomic carrying handle. Thermometer is an optional extra.

P15 SPECIFICATIONS	
Capacity	11 kg
Temperature	adjustable up to 190°C
Thermostat	adjustable temperature
Thermometre	optional
Voltage	24VAC/48-85VDC/110VAC/220VAC
Output	0,3kW
Internal dims.(WxDxH)	110x130x460mm
External dims. (WxDxH)	206x243x630mm
Weight	7,5 kg

P16 - High Temperature Quiver with high density insulation

The top of the Quivers range, that can be used for electrodes keeping and reconditioning, adjustable thermostat, hinged lid. It has a neon light power indicator, comes with an ergonomic carrying handle. Dual voltage.

P16 SPECIFICATIONS	
Capacity	14 kg
Temperature	adjustable up to 320°C
Thermostat	adjustable termperature
Thermometre	no
Voltage	110V-220V dual
Output	0,3kW
Internal dims.(WxDxH)	121x115x460mm
External dims. (WxDxH)	175x260x610mm
Weight	7,5 kg

3D EXPLODED VIEW P8T QUIVER

Realizzato con SolidWorks

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HOLDING OVENS FOR ELECTRODES

The CIA Holding Ovens are used for the intermediate conservation of the electrodes before being distributed to portable Rod Ovens for each welder. Electrodes should be in good condition prior to being stowed in the holding oven or transferred directly from the unopened package of after being reconditioned. Basic Electrodes for the welding of low (carbon) coalesce steel should be maintained between 150°C and 200°C, the electrodes for welding of stainless steel, should be maintained between 120°C and 150°C.

MEC/1 - Holding Rod Oven

Digitally adjustable oven with programmable holiding Cycle. High-density insulation, full calibration certificate. Four shelves for holding the rods.

MEC/1 SPECIFICATIONS	
Capacity	300 kg
Temperature	adjustable up to 300°C
Thermostat	digital
Voltage	230V – 50/60 Hz, single phase
Output	2,7 kW
Internal dims.(WxDxH)	650x550x520 mm
External dims. (WxDxH)	810x1000x720 mm
Weight	93 Kg

MEC/2 - Holding Rod Oven

Digitally adjustable oven with programmable holding Cycle. High-density insulation, full calibration certificate. Six shelves for holding the rods.

MEC/2 SPECIFICATIONS	
Capacity	405 kg
Temperature	adjustable up to 300°C
Thermostat	digital
Voltage	380VAC
Output	4,5 kW
Internal dims.(WxDxH)	650x810x520 mm
External dims. (WxDxH)	810x1270x720 mm
Weight	152 Kg

3D EXPLODED VIEW C2 HIGH TEMPERATURE BAKING ROD OVEN

Engineered with SolidWorks

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HOLDING AND RECONDITIONING OVENS FOR ELECTRODES

The CIA Holding Ovens are used for the intermediate conservation of the electrodes before being distributed to portable Rod Ovens for each welder. Electrodes should be in good condition prior to being stowed in the holding oven or transferred directly from the unopened package of after being reconditioned. Basic Electrodes for the welding of low (carbon) coalesce steel should be maintained between 150°C and 200°C, the electrodes for welding of stainless steel, should be maintained between 120°C and 150°C. The CIA reconditioning ovens are used when the electrodes have been exposed to humidity. Without the use of reconditioning ovens, the electrodes would not satisfy the required Hydrogen content in the weld deposit (normally inferior to 5ml of H2 by 100g of deposited metal). Basic electrodes for the welding of low carbon coalesce steel must be reconditioned between 350°C and 400°C, the electrodes for the welding of stainless steel, must be reconditioned between 250°C and 300°C. Our Rod Ovens are static for small volume, when the internal volume is increased we offer ventilated ovens instead, this guarantees a uniform temperature in the entire internal chamber.
The temperatures shown on the digital display, are always referring to the air, not to the temperature of the elements which is much higher.

B1 - Semi-portable holding Rod Oven

A portable static reconditioning and holding oven, adjustable digital thermostat, light and compact, ideal for on site jobs and for smaller volumes. High-density insulation, full calibration certificate.

B1 SPECIFICATIONS	
Capacity	50 kg
Temperature	adjustable up to 400°C
Thermostat	digital
Voltage	110VAC/220VAC
Output	1kW
Internal dims.(WxDxH)	250x480x250mm
External dims. (WxDxH)	330x550x410mm
Weight	18 kg

C1 - Digitally Controlled Drying Rod Oven

A portable static oven, for holding and reconditioning electrodes, high-density insulation, adjustable digital thermostat, full calibration certificate.

C1 SPECIFICATIONS	
Capacity	150 kg
Temperature	adjustable up to 400°C
Thermostat	digital
Voltage	110VAC 220VAC
Output	2,25kW
Internal dims.(WxDxH)	470x470x480mm
External dims. (WxDxH)	530x620x620mm
Weight	39 kg

C2 - Digitally Controlled High Temperature Baking Rod Oven

A portable static oven, for holding and reconditioning electrodes, ultra high-density insulation, adjustable digital thermostat, full calibration certificate.

C2 SPECIFICATIONS	
Capacity	150 kg
Temperature	adjustable up to 500°C
Thermostat	digital
Voltage	110VAC 220VAC
Output	3kW
Internal dims.(WxDxH)	470x470x480mm
External dims. (WxDxH)	600x760x685mm
Weight	69 kg

C2P - Digitally Controlled High Temperature Process Baking Rod Oven

A portable static oven, with the added facility of a 7 day programmable timer, for holding and reconditioning electrodes, ultra high-density insulation, adjustable digital thermostat, full calibration certificate & optional data logger.

C2P SPECIFICATIONS	
Capacity	150 kg
Temperature	adjustable up to 500°C
Thermostat	digital
Timer	7-day programmable
Voltage	110VAC/220VAC
Output	3kW
Internal dims.(WxDxH)	470x470x480mm
External dims. (WxDxH)	600x760x685mm
Weight	69 kg

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C4 - Digitally Controlled High Temperature Baking Rod Oven

A compact static Rod Oven for holding and reconditioning electrodes, ultra high-density insulation, adjustable digital thermostat, full calibration certificate.

C4 SPECIFICATIONS	
Capacity	200 kg
Temperature	adjustable up to 500°C
Thermostat	digital
Voltage	110VAC/220VAC/440 VAC
Output	3kW single-phase/4,5kW three-phase
Internal dims.(WxDxH)	465x480x580mm
External dims. (WxDxH)	575x675x885mm
Weight	75 kg

C3 - Stationary Digital Ventilated Rod Oven
C3E - Stationary Digital Static Rod Oven

A ventilated oven for holding and reconditioning electrodes, high-density insulation, digitally adjustable oven with programmable reconditioning and holding cycles, full calibration certificate.

C3 SPECIFICATIONS	
Capacity	225 kg
Temperature	adjustable up to 400°C
Thermostat	digital
Timer	programmable
Voltage	380 - 440 VAC
Output	4,7kW
Internal dims.(WxDxH)	740x530x470mm
External dims. (WxDxH)	880x760x1030mm
Weight	152 kg

C6 - Stationary Digital Ventilated Rod Oven
C6E - Stationary Digital Static Rod Oven

A ventilated oven for holding and reconditioning electrodes, high-density insulation, digitally adjustable oven with programmable reconditioning and holding cycles, full calibration certificate.

C6 SPECIFICATIONS	
Capacity	450 kg
Temperature	adjustable up to 400°C
Thermostat	digital
Timer	programmable
Voltage	380 - 440 VAC
Output	9,4kW
Internal dims.(WxDxH)	740x530x890mm
External dims. (WxDxH)	880x760x1450mm
Weight	214 kg

C9 - Stationary Digital Ventilated Rod Oven

A ventilated oven for holding and reconditioning electrodes, high-density insulation, digitally adjustable oven with programmable reconditioning and holding cycles, full calibration certificate.

C9 SPECIFICATIONS	
Capacity	650 kg
Temperature	adjustable up to 400°C
Thermostat	digital
Timer	programmable
Voltage	380 - 440 VAC
Output	13,5kW
Internal dims.(WxDxH)	740x530x1330mm
External dims. (WxDxH)	880x760x1855mm
Weight	273 kg

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CIA OVENS

Our history began in 1959. After teaching welding for 7 years, Mr Giancarlo Medea designed and manufactured a new line of Quivers, Rod and Flux Ovens for keeping and drying welding electrodes and flux.

His new Company was started with other shareholders, and was named FIMEA, based in Monza (Italy). They began to manufacture and sell Welding Ovens. After some years, Mr Medea left the Company and started a newco by himself – CIA Italiana Srl (Costruzione Impianti Apparecchiature inerenti la saldatura) based in Brugherio. In 1998 the American Company Mathey Dearman from Tulsa, Oklahoma bought CIA Italiana Srl and changed its name to CIA Mathey Italiana Srl. 15 years after that in 2013 the Company is sold to two gentlemen who have other business interests in Italy and in United Kingdom – from this sale – CIA Ovens Ltd was born. Based in Manchester (UK) it took over the business, Customers, Suppliers, Technical Files, Drawings.

In 2019 CIA Ovens becomes a brand within the Industral & Welding Ovens Ltd.

Logo Story

Note: Specifications and technical data can be modified without notice. This catalogue is a general description of our Welding Ovens.

CIA Ovens
a brand of
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