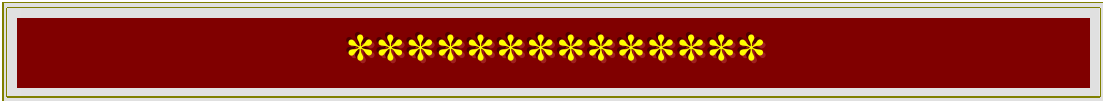


HRODC Ltd.



HRODC Ltd QUOTATION



With Kindest Regards,



Prof. Dr. R. B. Crawford
Chief Executive



Human Resource and Organisational Development Consultancy (HRODC) Ltd. Registered in England No. 6088763.

Registered Office: 122A Bhylls Lane, Castlecroft, Wolverhampton, West Midlands WV3 8DZ, UK

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Chief Executive & Chief Consultant – HRODC Ltd.



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Human Resource and Organisational Development Consultancy (HRODC) Ltd.		

HRODC Ltd QUOTATION

To:	
Quotation #	
Req. Ref.	NA
Date Issued:	
Validity Period:	30 Days
Prepared By:	Ms. Amani Abu Zeineh
Number of Pages:	29

HRODC Ltd – Legal Parameter

Human Resource and Organisational Development Consultancy (HRODC) Ltd is Registered in England, with Registration Number 6088763. Its VAT Registration is: 8958 765 38. It is directly accountable to, and monitored by, several government agencies, including Companies House, an Executive Agency of the Department for Business, Enterprise and Regulatory Reform (BERR). All ‘Offices’ of HRODC Ltd, including National Representatives are subject to public scrutiny and transparency. Its Registered Office is 122A Bhylls Lane, Castlecroft, Wolverhampton, West Midlands WV3 8DZ, UK, with Office in London UK. It has National Representatives in Nigeria, Ghana, Cameroon, United Arab Emirates (UAE), Kingdom of Saudi Arabia, among others. Prof. Dr. R. B. Crawford, PhD (London), MEd.M. (Bath), Adv. Dip. Ed. (Bristol), PGCIS (TVU), ITC (UWI), MAAM, MAOM, LESAN, MISGS. Visiting Prof. P.U.P. is its Chief Executive.

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Quotation

Column Number						
	1	2	3	4	5	6
Row No.	Product or Service	Product/ Service #	Short Description	Quantity	Unit Price	Total Cost
1.	PVC Sheet Laminators Machine	HRODC_DSL1	<ul style="list-style-type: none"> * PVC Sheet Laminator, card Board Laminator - Hot and Cold Lamination * Up To 12,000 Cards Per Hour. 	1	£72,500.00	£72,500.00
2.	Smart Card Laminating Machine	HRODC_ASCL1	<ul style="list-style-type: none"> * High precision lamination * High efficiency production * Hydraulic system 	1	£25,000.00	£25,000.00
3.	Intelligent, Fully Automatic Laminator Machine	HRODC_ACL2	<ul style="list-style-type: none"> * It is an Intelligent and highly efficient, fully automatic laminator, for telephone scratch cards, credit cards, loyalty cards. 	1	£31,875.00	£31,875.00
4.	Air Cooling Laminator	HRODC_ACCL1	<ul style="list-style-type: none"> * It is controlled by digital meter. * Lamination Area: 100mm*120mm. 	1	£31,250.00	£31,250.00
5.	Automatic Card Laminator	HRODC_ACL3	<ul style="list-style-type: none"> * The type is the newest and highest intellective and fully automatic laminator. 	1	£36,000.00	£36,000.00
6.	Automatic Card Laminator	HRODC_ACL5	<ul style="list-style-type: none"> * It is a highly efficient, intelligent and fully automatic PVC card making laminator 	1	£38,600.00	£38,600.00
7.	Automatic Smart Card Laminator	HRODC_ASCL2	<ul style="list-style-type: none"> * It is especially for IC & ID and other smart cards. 	1	£44,000.00	£44,000.00
8.	Automatic Smart Card Laminator	HRODC_ASCL3	<ul style="list-style-type: none"> * This high efficient equipment was made for professional manufacturer of IC ID identity. 	1	£48,000.00	£48,000.00
9.	Press Card Laminator	HRODC_PCL1	<ul style="list-style-type: none"> * This machine is controlled by PLC system. 	1	£51,000.00	£51,000.00
10.	Smart Card Laminator	HRODC_SCL1	<ul style="list-style-type: none"> * It is the first professional laminator for the making of smart cards such as IC card. 	1	£41,000.00	£41,000.00
11.	Water & Air Cooling Laminator	HRODC_WACL1	<ul style="list-style-type: none"> * It Water & Air laminator, which is one of highly efficient and intelligent PVC card making laminator. 	1	£38,000.00	£38,000.00
12.	Water & Air Cooling Laminator	HRODC_WACL2	<ul style="list-style-type: none"> * The temperature is controlled by the digital meter, which automatically carry on all the processes of heating. 	1	£40,000.00	£40,000.00
13.	Water Cooling Laminator	HRODC_WCL1	<ul style="list-style-type: none"> * It is water cooling laminator adds water cooling set, which makes cooling time shorter and production efficiency higher on the base of air cooling laminator 	1	£28,000.00	£28,000.00
Subtotal		N/A				

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Delivery	Free Port-To-Port International Delivery
V.A.T. @17.5%	Europeans only
Grand Total	
Payment Terms	<ol style="list-style-type: none"> 1. The prices, above, exclude delivery, installation and training. These costs will be advised at your request. 2. At least 50% of the cost of each machine, in excess of £20,000.00 requires a deposit of 50% by Telegraphic Transfer (TT) or bank counter credit, at the time of order. The remaining 50%, by Irrevocable Letter of Credit (ILC), is required one week before shipment of the complete item. 3. 100% of the cost of items of up to £20,000.00 is required at the time of order.
CRD:	01/12/08



Product Description

Start of HRODC_DSL1 - PVC Sheet Laminator Machine Description

HRODC_DSL1 - PVC Sheet Laminator



Price: £72,500.00

General Description

- ❑ PVC Sheet Laminator, card Board Laminator - Hot and Cold Lamination
- ❑ Up To 12,000 Cards Per Hour.
- ❑ This high efficiency precision laminator is robust cost effective
- ❑ It is suitable for all card laminating requirements
- ❑ It is particularly suited for SIM Cards, Credit Cards, Bank Cards, RFID Cards
- ❑ Its combined Hot-Cold feature provides the robustness and durability that these 'constant-use cards' deserve
- ❑ Its advanced computer control creates ease of operation and enhances operator training efficiency
- ❑ It high aesthetic appearance and smooth operation makes it a winner in any pre-contract inspection, contributing greatly to the success of your overall operation

Technical Specification

- ❑ Power: AC380V/ 50HZ
- ❑ Overall Power: 23kw
- ❑ Dual-Function Laminator
 - ❖ One Hot-laminating Unit
 - ❖ One Cold laminating Unit
- ❑ Pneumatic Pressure Scaling: 1-4 Levels (adjustable)
- ❑ Range of Pneumatic Pressure : 0-20 MPA
- ❑ Maximum Input Laminating Sheet Size : 550 X 600 mm (A2)

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- Maximum Laminating Speed:
 - ❖ 300 Sheets Per Hour
 - ❖ 12,600 Cards Per Hour
- Machine Net weight: 3400 kg
- Machine Dimensions
 - ❖ Length = 2,400 mm, Width = 680 mm, Height = 1,780 mm.

End of HRODC_DSL1 - PVC Sheet Laminator Machine Description



Start of HRODC_ASCL1 - Smart Card Laminating Machine Description



Price: £25,000.00

Features:

- High precision lamination
- High efficiency production
- Hydraulic system
- Multi-steps pressure system
- Single-cylinder pack out
- Automatic balance
- Automatic, independent cooling system
- Automatic heating towers
- Hydraulic pump station
- Double circuits hydraulic pressure source
- Heating elements consists of a special controlling module to facilitate effective temperature control
- Constant temperature at setting

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V.A.T. # 8958 765 38

- ◆ Heating system reactor collects and maintains data vital to effective functioning
- ◆ Cooling system reactor to monitor and control cooling system effectiveness and pressure adjustment
- ◆ Energy saving devices incorporated in pump and pressure adjustment mechanism
- ◆ Computer controlled Touch Screen monitor
- ◆ International standard oil cylinder,
- ◆ Low noise
- ◆ Minimal vibration
- ◆ Simple electric circuit
- ◆ Stable operation
- ◆ Automatic alarm system
- ◆ Suitable for laminating and processing many kinds of cards (specifically: for contactless IC card laminating and processing)
- ◆ Aesthetic appearance

Technical Specification:

- ◆ Power: AC 220V/50HZ
- ◆ Working layers: Heating and cooling = 1-3 layers (Custom choice)
- ◆ Pressure steps: 1-2 step = choice of setting
- ◆ Pressure bound: 0-30MPA
- ◆ Temperature bound: room-300°C
- ◆ Speed: 2,500 CR80 cards per hour
- ◆ Maximum sheet size: 297mm X 420 mm (A3)

End of HRODC_ASCL1 - Smart Card Laminating Machine Description



Start of HRODC ACL2 - Intelligent, Fully Automatic Laminator Machine Description



Price: £31,875.00.00

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General Description

HRODC_ACL2 Laminating Machine is an Intelligent and highly efficient, fully automatic laminator, for telephone scratch cards, credit cards, loyalty cards. It is suitable for a variety of substrates including PVC Sheets, General Plastic Sheets, Paper Card Sheets, Teslin Sheets, and Polycarbonate Sheets. Its intelligently refrigeration system provides the ideal environment for the manufacture of warp-less cards from paper card sheets and cards from rigid surfaces. This means that the 'water box' outside the machine that is normally used for cooling the system is not needed. HRODC-ACL2 is, therefore, an excellent companion for offices and factories producing low-high volume scratch cards, credit cards, bank cards, loyalty cards, security cards, RFID cards ,M1Cards (M1 Cards) and EM Cards.

The temperature of HRODC_ACL2 Intelligent, Fully Automatic Laminator – Laminating Machine is controlled by the smart digital meter.

The pressure is controlled by the digital meter, with hydraulic pressure.

Its excellent calefaction, refrigeration elements make both heating and cooling equably effortless. It is specifically designed with aesthetics in mind, therefore it elegant feature adds to the assurance of its stable performance. It is used for making any kinds of PVC cards.

Technological Specifications

- ◆ Laminating Area: 210×297 mm
- ◆ Laminate Layers: 2 20 layers
- ◆ Control mode: Smart Digital
- ◆ Control bound of temperature: 0 150
- ◆ Press method: Hydraulic pressure (two classes pressure)
- ◆ Cooling method: Refrigeration system, cooling by circulation
Rated pressure: 2740 Kg
- ◆ Working Pressure: 3 4.5 MPa (up to 650 PSI);
- ◆ Voltage 220 V
- ◆ Power supply: 220VAC 50HZ
- ◆ Power: 5300W
- ◆ Size: 950×740×1530 mm
- ◆ Net weight: 350kg
- ◆ Production Speed: ≥1000 Sheets Per Hour

End of HRODC_ACL2 - Intelligent, Fully Automatic Laminator Machine Description



Start of HRODC_ACCL1 - Air Cooling Laminator Machine Description



Price: £

General Description

- HRODC_ACCL1 Air Cooling Laminator is controlled by digital meter.
- You will not need any other operation when it's working.
- It's small convenient for operation and placement.
- High quality heating up and cooling down elements make both heating up and cooling down evenly distributed, which avoids the wastes caused by excessive temperature differential because of the cast iron elements.
- The machine has advanced design and premium quality.
- **Now it can laminate Non-contact IC & ID cards.**
- Lamination Area: 100mm*120mm
Press Method: with handle wheel
Cooling Method: air cooling
Voltage: 220V Layers: 1~10sheets
Power: 220VAC 50Hz Size: 455*335*500
- Net Weight: 25kg
- Control Bound of Temperature: Room temperature~150C

End of HRODC_ACCL1 - Air Cooling Laminator Machine Description

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V.A.T. # 8958 765 38

Start of HRODC_ACL3 – Automatic Card Laminator Machine Description



Price: £

General Description

- The type is the newest and highest intellectual and fully automatic laminator. Intellectual number meter is used to control the temperature, and this laminator is equipped with excellent calefaction, refrigeration elements.
- Its double design, water and air cooling mode makes this laminator two times more efficient than the HRODC_ACL3 Laminator in card making, together with a satisfactory cooling effect.
- The laminator is decent and beautiful in appearance, stable in operation, which is fit for making various kinds of PVC cards, contactless IC and ID cards.
- It will prove to be the best choice of the would-be professional card making customers.

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V.A.T. # 8958 765 38

Machine Specifications

Specification	Value
Lamination Area	210 mm *297 mm
Temperature	0 - 150 C°
Lamination Layers	2 - 20 Layers
Control Mode	Smart Digital
Pressing Method	Hydraulic Pressure
Cooling method	Water and Air Cooling
Rated Pressure	2740kg
Working Pressure	3 - 4.5 Mpa
Voltage	220 V
Power Supply	220VAC 50HZ
Power	5300W
Size	750 mm*470 mm*1200 mm
Net Weight	220 kg
Production Efficiency	>800 pieces/hour

End of HRODC_ ACL3 – Automatic Card Laminator Machine Description



Start of HRODC ACL5 – Automatic Card Laminator Machine Description



Price: £

General Description

- HRODC_ACL5 is a highly efficient, intelligent and fully automatic PVC card making laminator.
- You will not need any other operation when it's working.
- The automatic pressure mode is employed on this laminator.
- The temperature is controlled by the digital meter.
- The high-quality heating and cooling elements make both calefaction and refrigeration well distributed at a proper speed, which avoids the wastes caused by excessive temperature differential because of the slow heating up and cooling down cast iron.
- The water and air cooling mode accounts for its fast card making speed and good cooling effect elements.
- The machine is marvellous with a fine-looking appearance, stable performance, simple operation, advanced design and reliable quality, which is fit for making various kinds of PVC cards, non-contact IC and ID cards.

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V.A.T. # 8958 765 38

- It can laminate non-contact IC and ID cards.

Machine Specifications

Specification	Value
Lamination Area	210 mm *297 mm
Lamination Layers	1 – 10 sheet
Control Bound of Temperature	0 - 150 C°
Cooling Method	Water and Air Cooling
Rated Pressure	20MPa
Working Pressure	4.5MPa
Voltage	220 V
Power	220VAC 50HZ
Net Weight	210Kg
Production Efficiency	<600 sheets/hour
Size	880mm*610mm*1170mm

End of HRODC_ACL5 – Automatic Card Laminator Machine Description



Start of HRODC_ASCL2 – Automatic Smart Card Laminator Machine Description



Price: £

General Description

- ✿ It is especially for IC&ID and other smart cards.
- ✿ It is adopted hydraulic pressure method, and it has the pinpoint accuracy, Automatic balance, cooling and heating working separately.
- ✿ The hydraulic pressing pump supply double hydraulic pressure power.
- ✿ Single cylinder packs out, energy saving, high efficiency, balance automatically.
- ✿ The heating layer is adopted the imported controlling mould to control and set the temperature, to keep the temperature permanent.
- ✿ The heating and cooling press via double separately special inducts response the data to the controlling system, then add more pressure or makeup pressure, to ensure the pressure permanent.
- ✿ This pumping station have a function to keep the pressure locked automatically, and make the interval longer, energy saving and enhance the efficiency.



Characters

1. Simple, visually, human-machine interface.
2. Low noise, small vibration.
3. Simple circuit, simple maintenance.
4. Work balance alarming rings automatically.
5. Single cylinder packs out, energy saving, high efficiency, balance automatically.
6. Multistage press choice and output.
7. The temperature and pressure set and permanent automatically.
8. Temperature and pressure controlled with pinpoint accuracy.
9. Manual automatic function, single part can be operated.
10. Are suitable for kinds of card laminating.

Technical parameter

- Power AC 380V/50HZ
- Gross power 20KW
- Working group: cooling and heating
- Working layers: five heating and five cooling
- The class of pressure: 1-3 class(set by yourself)
- Pressure bound 0-30 MPA
- Laminate area: 420mm*520mm

End of HRODC_ASCL2 – Automatic Smart Card Laminator Machine Description



Start of HRODC_ASCL3 – Automatic Smart Card Laminator Machine Description



Price: £

General Description

- Laminator which specialized for making smart card inlay is PLC controlling.
- This high efficient equipment was made for professional manufacturer of IC ID identity.
- It is low wastage rate, easy to operate effectively.
- As the professional PVC laminator machine it also can satisfy the PVC card company and PVC card factory enough to produce the second generation identification cards and top quality certificate cards, banking cards, one card solution for bus, high way, social insurance card and so on.
- This high precision and high production PVC card equipment composed of top quality hydraulic system adopts multi-steps pressure ,single cylinder pack out and balance automatically, heating and cooling separately, hydraulic pump station system supply double routes hydraulic pressure resource.
- It is wonderful for users to produce large quantity and top quality cards



Features

- Simple ,vividly man-machine screen, easy to operate
- MO international standard oil cylinder, balance pressure, low noise, small vibration.
- It adopts imported PLC controlling system, touch-screen, without complex operating PCB table.
- Stable Working, automatic alarming.
- Single cylinder pack out, take apart for cleaning basin, saving energy and high efficiency, will never jam.
- Steps of pressure choosing and output, to meet kinds of technology's demand.
- Temperature and pressure both can set and balance automatically.
- Button and touch screen double switch off can ensure the working procedure safety.
- Suitable for laminating and processing kinds of cards (special for contactless IC card laminating and processing).
- Precision producing whole sealed and beautiful out looking, it is the best choice for the standard workshop.

Technology Parameter:

- Power: AC 380V/50HZ
Working towers: heating and cooling towers/heating and cooling tower can work independently
- Working layers: heating and cooling 1-6 layers (choose by yourself)
- Pressure steps: 1-3 step(can be set)
- Pressure bound: 0-20MPA
Temperature bound:room-300°C
The laminating size: 420mmX520mm (We are glad to produce as customers ordered)

Additional Service Will Be Supplied As Following

1. Door-to-door installation, door-to-door after sales customer service.
2. Adopts Welling take part for cleaning water route system.
3. We are glad to install automatic cooling system.
4. PLC precision changeable controlling system.
5. Pressure controlling parts adopts Nodular cast iron casting technique, to ensure never deform.

End of HRODC_ ASCL3 – Automatic Smart Card Laminator Machine Description



Start of HRODC_PCL1 – Press Card Laminator Machine Description



Price: £

General Description

- ❑ Auto lever press Machine.
- ❑ This machine is controlled by PLC system, with mechanical liquid pressure system which is noted for its high precision and high volume cards producing rate.
- ❑ Multi lever pressing mode is mounted on this machine.
- ❑ Single Jar output with auto steady lever. Heat and cooling combine units' sets machine working independent, the liquid pump station output two independent input liquid pressures to the system.
- ❑ The heating combine units machine using an imported control module to control the temperature and setting, for the function of temperature to stable.
- ❑ Cooling and heating combine unit's machine is using the pressure to operating the system by independent sensor data reader to the PLC system.
- ❑ To stable the pressure and with auto lock by the liquid pump.
- ❑ Using auto sensor touch panel to control setting.
- ❑ Low sound.
- ❑ Electrical system easy to maintain.
- ❑ Stable operation with auto alarm signal.
- ❑ Single jar output with auto stable fixing.



- Multi layer press output or optional.
- Temperature and pressure auto fixing setting stable.
- Temperature and pressure control with high precision | Manual operation function acceptable, independent unit system can be operation (with optional) | Suitable to all layer of Card with multi-layer (Special for non-IC card with layer combine assembly request)

Technical Specification

Specification	Value
Input Power	AC 380v/50HZ
Total Power	23kw
Working Station	Heating and Cooling Combine Units
Combine layer	Heating and Cooling both with 5 layer
Pressure Grade	1-4 grade (Adjustable)
Pressure Area	0-30MPA
Temperature area	0-400
Temperature Setting	0.5 (Adjustable)
Timing Precision	0.1 second
Weight	approximately 320kgs
Layer Dimension	420mm*600mm(Optional)
Outlook dimension	1970xW850xH1700mm

End of HRODC_PCL1 – Press Card Laminator Machine Description



Start of HRODC_SCL1 - Smart Card Laminator Machine Description



Price: £

General Description

- The HRODC_SCL1 smart card laminator is the first professional laminator that has been specially put forward for the making of smart cards such as IC card, ID card, etc.
- Its enhanced pressing mode and the employment of advanced hydraulic pressure machine have effectively avoided the damage to the chip of IC card which is inevitably brought about by the single-one-time pressing mode. Besides, a smart digital meter is installed on this laminator to control the temperature.
- 2-cold-and-2-hot, 3-cold-and-3-hot or 4-cold-and-4-hot machine can be added to it according to the requirements of customers.



Technical Specification

Specification	Value
Lamination Area	297 mm *420 mm/320mm*420mm
Lamination Layers	1-10Layers
Control Mode	Smart Digital
Control Bound of Temperature	0-150°C
Pressing Method	Hydraulic Pressure
Cooling Method	Water Cooling
Power	5100W
Voltage	220V

End of HRODC_SCL1 - Smart Card Laminator Machine Description



Start of HRODC_WACL1 – Water & Air Cooling Laminator Machine Description



Price: £

General Description

- HRODC_WACL1 Water & Air Laminator.
- The HRODC_WACL1 Water & Air laminator, which is one of highly efficient and intelligent PVC card making laminator.
- It can prevent from wasting the ID, IC card.
- Temperature is controlled by the digital meter, which automatically carries on all the processes of heating, keeping a stable temperature cooling.
- When the procedure is over, it will sound out a warning.
- The laminator is cooled by both air and water.
- You can add pressure directly through the handle wheel.
- The machine is marvellous with a fine-looking appearance, stable performance, and simple operation, advanced designing, reliable quality.
- High-quality heating and cooling elements make both heating up and cooling down well distributed, which avoids the wastes caused by excessive temperature differential because of the slow heating up and cool cast iron elements.
- It can laminate Non-contact IC & ID cards.

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V.A.T. # 8958 765 38

Technical Specification

Specification	Value
Lamination Area	210*297mm*mm
Pressing Method	with handle wheel
Cooling Method	water cooling and air cooling
Layers	1~10sheet
Room temperature	~150C
Voltage	220V
Power	220VAC 50Hz
Efficiency	>400sheet/h
Net Weight	110kg
Machine dimension	750mm*470mm*700mm

End of HRODC_WACL1 – Water & Air Cooling Laminator Machine Description



Start of HRODC_WACL2 – Water & Air Cooling Laminator Machine Description



Price: £

General Description

- HRODC_WACL2 Water & Air Laminator.
- The temperature is controlled by the digital meter, which automatically carry on all the processes of heating, keeping a stable temperature, cooling. When the procedure is over, it will sound out a warning.
- The laminator is cooled by both air and water.
- You can add pressure directly through the handle wheel.
- The machine is marvellous with a fine-looking appearance, stable performance, and simple operation, advanced designing, reliable quality.
- High-quality heating and cooling elements make both heating up and cooling down well distributed, which avoids the wastes caused by excessive temperature differential because of the slow heating up and cool cast iron elements.
- **Now it can laminate Non-contact IC & ID cards.**



Technical Specification

Specification	Value
Lamination Area	210*297mm*mm
Pressing Method	with handle wheel
Cooling Method	water cooling and air cooling
Layers	1~10sheet
Room temperature	~150C
Voltage	220V
Power	220VAC 50Hz
Efficiency	>400sheet/h
Net Weight	120kg
Size	760mm*470mm*810mm

End of HRODC_WACL2 – Water & Air Cooling Laminator Machine Description



Start of HRODC_WCL1 – Water Cooling Laminator Machine Description



Price: £

General Description

- ❑ HRODC_WCL1 water cooling laminator adds water cooling set which makes cooling time shorter and production efficiency higher on the base of air cooling laminator.
- ❑ The machine is controlled by digital meter.
- ❑ You needn't do any other operation when its working .It's small also convenient for operation and placement.
- ❑ High quality heating up and cooling down elements make both heating up and cooling down evenly distributed, which avoids the wastes caused by excessive temperature differential because of the cast iron elements.
- ❑ The machine has advanced designing and premium quality.
- ❑ Now it can laminate Non-contact IC & ID cards.



Technical Specification

Specification	Value
Lamination Area	100mm*120mm
Pressing Method	with handle wheel
Cooling Method	water cooling and air cooling
Voltage	220V
Layers	1~10sheets
Power	220VAC 50Hz
Size	580*630*450
Net Weight	35kg
Control Bound of Temperature	Room temperature~150°C

End of HRODC_WCL1 – Water Cooling Laminator Machine Description

Additional Comments	NA
Authorised Signature	Ms. Amani Abu Zeineh Amani Abu Zeineh Director - Business Development – HRODC Ltd.

