

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.

P1/11

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

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.

Chief Executive & Chief Consultant – HRODC Ltd.



V.A.T. # 8958 765 38



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To:	
Quotation #	
Req. Ref.	NA
Date Issued:	
Validity Period:	30 Days
Prepared By:	Prof. Dr. R. B. Crawford
Number of Pages:	17

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						
Row No.	1	2	3	4	5	6
	Product or Service	Product/ Service #	Short Description	Quantity	Unit Price \$US	Total Cost in \$US
1.	Card Personalisation Machine	HRODC-PM5	HRODC-PM5 Card Personalisation Machine - Comprising Feeder / 2 x Inkjet Printers / Code Inspection / Labelling / / Hot Stamping / Position Inspection/ over Printing/Collection, as specified below. Speed = 18,000 cards per hour, with hot stamping and card inspection modules functioning.	1	\$128,000.00	\$128,000.00
Subtotal		Excluding Installation and training				
Delivery		Free Port To Port International Delivery				
V.A.T. @		Europeans Only				
Grand Total						
Payment Terms		<ol style="list-style-type: none"> The prices, above, exclude delivery, installation and training. These costs will be advised at your request. Products costing in excess of us US\$40,000.00 require 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. 100% of the cost of items of up to \$40,000.00 is required at the time of order. Bank details for payment, and extended terms, where applicable, will be included in the Proforma Invoice, following the confirmation of your order. 				

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Product Description

Start of HRODC-PM5 - Card Personalisation Machine Description



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HRODC_PM5 Description, Technical Specification, Parts List and Price

General Description of HRODC_PM5 Card Personalisation Machine

- Suitable for various substrates - PVC, Paper, Teslin, Polycarbonate etc.
- Handles both standard CR80 cards and special cards of different sizes and shapes
Adds Cold Labels
- Adds holographic Labels
- Adds hot-stamping labels
- Add holograms
- Precision label application
- Vision (Camera) devices – DVT - guarantee data accuracy.
- Modular design facilitates upgrades
- Robust system operation enhances production efficiency
- User friendly Interactive touch-screen control panel, ensures hitch-free operation
- Data accuracy and Data Integrity are facilitated by effective camera inspection system
- Personal Identification Number (PIN) precision coverage provides high-level security
- Integrated processes and systematic workflow management system enhance the system's automated

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HRODC_PM5 Description, Technical Specification, Parts List and Price

General Description of HRODC_PM5 Card Personalisation Machine

‘transport’, virtually eliminating the human touch, contributing to data security and data integrity

- Maintains speed of up to 18,000 cards per hour, with hot stamping and card inspection modules functioning.
- System Cover encapsulates machine, providing extra data security throughout its operation
Data on rejected cards are recorded for reprint.
- Works with a variety of inkjet printers (e.g. Imaje, Domino, Videojet, Linx, Hitachi) for maximum printing flexibility.

HRODC_PM5 Technical Specification

Ref #	Specification	Value
1.	Speed with Inkjet Printing and Card Inspection	15,000 Cards Per Hour (CR80)
2.	Speed with Inkjet Printing, Card Inspection and Labelling	12,000 Cards Per Hour (CR80)
3.	Speed with Inkjet Printing, Card Inspection and Hot Stamping	10,000 Cards Per Hour (CR80)
4.	Card input length	45~100 mm
5.	Card input width	40~120 mm
6.	Card input thickness	0.3~1.2 mm
7.	26~45 Digit Code Error – Missed-fault	<1 per 1,000,000
8.	26~45 Digit Code Error – Missed-reject	<2%
9.	Straight movement direction	+- 1mm
10.	Cross movement direction	+- 0.5 mm
11.	Positioning Error	>+/-1.5mm
12.	Inspection Reliability	>99%
13.	Voltage/ Hz	220V; 50Hz
14.	Power	3.5 Kw
15.	Air Consumption	0.6 Mpa
16.	Ambient Temperature	5~50 0C
17.	Relative Humidity	15~90% (w/o condensation)
18.	Weight (Depends on Modules Chosen)	1,000 (1 Ton) Approx.
19.	Length (Depends on Modules Chosen)	7.29 meters
20.	Width	0.76 meter
21.	Height	2.00 meters

Item #	Item Name & Description	Number of Units	Price
1.	Horizontal Card Loading Conveyor. This Device provides extra cards supply to the system.	1 Set	\$7,000.00
2.	Coding Module, with Data Inspection and Rejection Elements. Coding Module Includes: Module cabinet Transport Conveyor	1 Set	\$40,000.00

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HRODC_PM5 Description, Technical Specification, Parts List and Price

General Description of HRODC_PM5 Card Personalisation Machine

	<ul style="list-style-type: none"> Transport Conveyor Cover Inkjet printer mounting for 2 printheads Inkjet Printers (priced separately) Inspection Station OCR High-resolution Camera, Lighting Rejection Mechanism 		
3.	<p>Card-Secure Overprinting Module. This module is used for overprinting a cross edge pattern with UV Curing Ink on the card. Card-Secure Overprinting Module incorporates:</p> <ul style="list-style-type: none"> Printing Station Printing plate, UV Cure Station, Cooling Air Pump Base Cabinet Transport Conveyor 	1 Set	\$42,000.00
4.	<p>Collection Conveyor</p>	1 Set	\$3,500.00
5.	<p>Printing Control Console. Printing Control Console incorporates:</p> <ul style="list-style-type: none"> Industrial Computer LCD Display, Data Encryption and Control Software for data handling and printing. 	1 Set	\$15,500.00
6.	<p>Image Inkjet Printer S9030 1.2M (one head, dual M nozzles)</p>	1 Set	\$20,000.00
Total Price with all the above modules			\$128,000.00

End of HRODC-PM5 - Card Personalisation Machine Description

Machine Options for HRODC_PM5

1.	<p>Card Feeder and Overlapping Card Detection and Elimination System. Modules include:</p> <ul style="list-style-type: none"> Vertical card loader, Separation unit Feeding mechanism Transport conveyor, Thickness detector Length detector Card rejection box 	1 Set	\$8,000.00
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2.	Labelling Module. Labelling Module incorporates: <ul style="list-style-type: none">  Module Cabinet  Transport Conveyor  Transport Conveyor Cover  Label Application Engine. 	1 Set	\$26,000.00
3.	Rotary Hot Stamping Module. Rotary Hot Stamping Module Incorporates: <ul style="list-style-type: none">  Module Cabinet  Transport Conveyor  Transport Conveyor Cover  Rotary hot-stamping Module  Intermittent Foil Modulator – to vary fill movement, to minimize foil usage. 	1 Set	\$47,000.00
4.	Scratch Panel Inspection Module. Scratch Panel Inspection Module Incorporates: <ul style="list-style-type: none">  Module Cabinet  Transport Conveyor  Transport Conveyor Cover  Vision Camera  Lighting Element  Card Rejection Box. 	1 Set	\$22,000.00
5.	Card-Secure Overprinting Module. This module is used for overprinting a cross edge pattern with UV Curing Ink on the card. Card-Secure Overprinting Module incorporates: <ul style="list-style-type: none">  Printing Station  Printing plate,  UV Cure Station,  Cooling Air Pump  Base Cabinet  Transport Conveyor 	1 Set	\$42,000.00

End of HRODC PM5 Machine Options



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