

# HRODC Ltd.



## HRODC Ltd QUOTATION



With Kindest Regards,

A handwritten signature in gold ink, appearing to read "R. B. Crawford".

**Prof. Dr. R. B. Crawford**  
**Chief Executive**



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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

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

	<h1>HRODC Ltd.</h1>	
<p>122A Bhylls Lane, Wolverhampton, WV3 8DZ, UK Telephone: +44 (0) 1902 763 607 +44 (0) 1902 569133 Mobile: +44 (0) 7736 147507 E-mail: <a href="mailto:consult@hrod-consultancy.com">consult@hrod-consultancy.com</a> <a href="mailto:sales@hrod-consultancy.com">sales@hrod-consultancy.com</a> Website <a href="http://www.hrod-consultancy.com">http://www.hrod-consultancy.com</a></p>		<p>328 Linen Hall, 162-168 Regent Street, London. W1B 5TD, UK Tel: +44 (0) 20 84809628 Mobile: +44 (0) 7736 147507 E-mail: <a href="mailto:consult@hrod-consultancy.com">consult@hrod-consultancy.com</a> <a href="mailto:sales@hrod-consultancy.com">sales@hrod-consultancy.com</a> Website <a href="http://www.hrod-consultancy.com">http://www.hrod-consultancy.com</a></p>
<h2>Human Resource and Organisational Development Consultancy (HRODC) Ltd.</h2>		

# HRODC Ltd QUOTATION

<b>To:</b>	
<b>Quotation #</b>	
<b>Req. Ref.</b>	NA
<b>Date Issued:</b>	
<b>Validity Period:</b>	30 Days
<b>Prepared By:</b>	Prof. Dr. R. B. Crawford
<b>Number of Pages:</b>	13

### 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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# Card Machine 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.	Offset Card Printer	HRODC_OCP4B	Offset Card/ Paper Printer <b>2-Colour</b> Maximum Input Size = 470 x 365mm Maximum Speed = 8,000 Sheets Per Hour	1	\$50,000.00	\$50,000.00
2.	Card Punch	HRODC_MCPA4	Motorised A4 to CR80 Card Punch	2	\$8,200.00	\$16,400.00
3.	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 = <b>18,000 cards per hour</b> , with hot stamping and card inspection modules functioning.	1	\$91,500.00	<b>\$91,500.00</b>
4.	Card Wrapping Machine 2	HRODC_CW6.C	As below	1	\$32,000.00	\$32,000.00
<b>Subtotal</b>		Excluding Delivery, installation and training				<b>\$189,900.00</b>
<b>Delivery</b>		<b>Free International Port-To-Port Delivery</b>				
<b>Installation and training</b>		All Machines – Installed, with Operator’s Training				\$15,000.00
<b>Grand Total</b>						<b>\$204,900.00</b>

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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\$
	<b>Payment Terms</b>		<ol style="list-style-type: none"> <li>1. The prices, above, exclude delivery, installation and training. These costs will be advised at your request.</li> <li>2. 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.</li> <li>3. 100% of the cost of items of up to \$40,000.00 is required at the time of order.</li> <li>4. Bank details for payment, and extended terms, where applicable, will be included in the Proforma Invoice, following the confirmation of your order.</li> </ol>			

**Please Note: By adding more Card Punch Machines or one of our other types of Card Punch Machines, this production line can achieve up to 18,000 cards per hour – the speed of the Personalisation Machines. Other modules can be added to the Personalisation Machine. The Offset Printer can be used to print in excess of 4 colours.**



# Product Description

## Start of HRODC\_OCP4 Offset Card Printer Description



### Highlights:

Offset Press - Large Name Card Printer in Fashionable Design,  
Cutting Line and Two-Sided Guides

### General Description

- Brand-name Parts
- Electronic Link
- Experienced Technical Staff
- Guarantee/Warranty
- International Approvals
- Military Specifications
- Price
- Product Features
- Product Performance
- Prompt Delivery
- Quality Approvals
- Reputation
- Name Card Printer
- Paper Printer

### Key Specifications/ Special Features:

- One or two colour offset press (sheet-fed offset press, offset press printing machine)
- Features:
- Simple to operate:
  - ✓ Feed water, ink supply shut press adopt a highly automated system - magic eye control
- Easy to adjust, providing desired precision
- Accurate position: front guide, bilateral wheel-type pull guide structure, bilateral pull guide fine-tuning device and the plate cylinder fine tuning device are used to make accurate register
- Separated ink-water system:
  - ✓ The water and the ink feeding system are separated.
  - ✓ Thus it's easy to adjust the amount of the water and the ink needed by different printed matters
    - This structure is especially

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suitable for the process printing

- Double sheet inspecting: advanced double sheet control can effectively detect two pages, folded pages or more pages during the process of printing
- Two-revolutionary printing systems: Creating a perfect full page in one saturated colour
- Dry spraying function: The machine is equipped with spraying apparatus, which enables spraying and printing to be finished simultaneously. Thus the back of the print matters won't be contaminated

### Technical Specification of HRODC\_OCP4

- ✓ Maximum paper area
- ✓ 470 x 365mm (side wards form feed)
- ✓ Maximum printing area: 450 x 345mm
- ✓ Use paper weight: 28 to 250g/m<sup>2</sup>
- ✓ Printing speed: 1,000 to 8,000 pages/hour
- ✓ Printing size: 470 x 395 x 0.15mm
- ✓ Mackintosh size: 466 x 415 x 1.95mm
- ✓ Quantity of ink roller: 10 (2 formed inking rollers)
- ✓ Quantity of dampening roller: 4 (1 formed dampening roller)
- ✓ Main motor power: 0.75kW
- ✓ Air-pump motor power: 0.55kW
- ✓ Power supply: 220V/50Hz
- ✓ Overall size: 1,760 x 935 x 1,340mm

### End of HRODC\_OCP4 Offset Card Printer Description

### Start of HRODC\_MCPA4 Card Punch/ Card Cutter – A4 to CR80 Card Punch

### Description and Technical Specification

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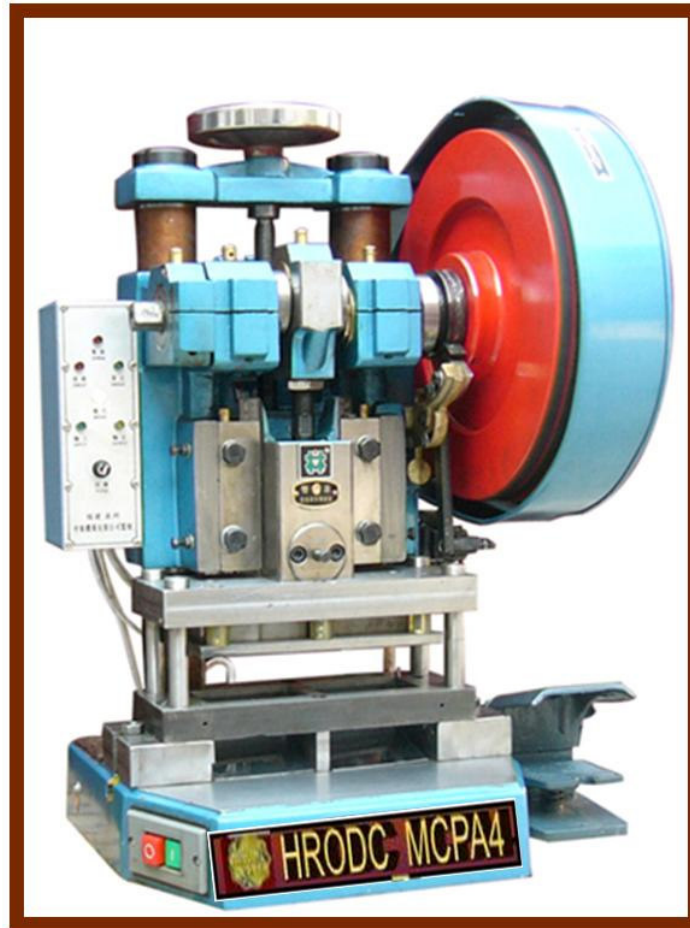
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## HRODC\_MCPA4 Card Punch – A4 to CR80 Card Punch

### General Description

- ✓ Accommodates 2 A4 sheets simultaneously
- ✓ Precision Cutting
- ✓ Advanced Technology
- ✓ High-grade materials and components
- ✓ Structurally stable
- ✓ Aesthetically pleasing
- ✓ Easy operation
  
- ✓ Electromotor drives flywheel through, activating clutch, effecting cutting function
- ✓ Ultra-smooth card edges
- ✓ Automatic punch locator Speed and power combination ensures a ‘clean-cut finish’
- ✓ Interchangeable dies – optional

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**HRODC\_MCPA4 Card Punch - A4 to CR80 Card Punch**

**Technical Specification**

Cutting Speed	2,300 Cards Per Hour
Voltage	220
Net weight	200 Kg
Length	480 mm
Width	275 mm
Height	470 mm

**End of HRODC\_MCPA4 Card Punch/ Card Cutter – A4 to CR80 Card Punch**

**Description and Technical Specification**

**Start of HRODC-PM5 - Card Personalisation Machine Description 18,000 Cards Per Hour**





## 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 '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

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**HRODC PM5 Description, Technical Specification, Parts List and Price****General Description of HRODC\_PM5 Card Personalisation Machine**

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.	<b>Card Feeder and Overlapping Card Detection and Elimination System.</b> Modules include: <ul style="list-style-type: none"> <li>■ Vertical card loader,</li> <li>■ Separation unit</li> <li>■ Feeding mechanism</li> <li>■ Transport conveyor,</li> <li>■ Thickness detector</li> <li>■ Length detector</li> <li>■ Card rejection box</li> </ul>	1 Set	\$8,000.00
2.	<b>Labelling Module.</b> Labelling Module incorporates:	1 Set	\$26,000.00

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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"> <li>☒ Module Cabinet</li> <li>☒ Transport Conveyor</li> <li>☒ Transport Conveyor Cover</li> <li>☒ Label Application Engine.</li> </ul>		
3.	<b>Scratch Panel Inspection Module.</b> Scratch Panel Inspection Module Incorporates: <ul style="list-style-type: none"> <li>☒ Module Cabinet</li> <li>☒ Transport Conveyor</li> <li>☒ Transport Conveyor Cover</li> <li>☒ Vision Camera</li> <li>☒ Lighting Element</li> <li>☒ Card Rejection Box.</li> </ul>	1 Set	\$22,000.00
4.	<b>Printing Control Console.</b> Printing Control Console incorporates: <ul style="list-style-type: none"> <li>☒ Industrial Computer</li> <li>☒ LCD Display,</li> <li>☒ Data Encryption and Control</li> <li>☒ Software for data handling and printing.</li> </ul>	1 Set	\$15,500.00
5.	<b>Image Inkjet Printer</b> S9030 1.2M (one head, dual M nozzles)	1 Set	\$20,000.00
<b>Total Price with all the above modules</b>			<b>\$91,500.00</b>

**End of HRODC-PM5 - Card Personalisation Machine Description**

## Start of HRODC\_CW6.C - Card Wrapping Machine Description



**Price for HRODC\_CW6.C: \$32,000.00**

Main Technical Specification	
Model	HRODC_CW6.C
Max. film width	250mm
Max .capacity of packing (According to the material)	20-50 bags/min
Film thickness	0.03-0.06mm
Bag Length	60-200mm
Packing Width	25-100mm
Packing Height	≤35mm
Total power	2.4Kw 220v
Overall dimensions (L * W * H)	4200 × 820 × 1265mm
Total Weight	680kg

### Main Performances and Features

- ✧ This machine adopts PLC for main control, hence steady in performance and easy to operate.
- ✧ Human - machine interface in Chinese (English), making the setting and save easy and quick.
- ✧ Main motor equipped with high quality AC frequency converter which makes stepless speed changing.
- ✧ High accuracy photoelectric detection tracing system with automatic compensation in both directions for reliable accuracy.

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- \* Non-stage transmission used for the adjustment of bag length, which makes machine much more durable, stable and precise.
- \* The downward feeding of the film and chain feeding style is used, which features great stability to the packing of the strip solid articles with regular shapes.
- \* This machine can be equipped with date and batch encoder device.

**Scope of Application**

It is suitable for the packing of instant pasta, dried noodles, fried instant noodles and pencil and ice cream bars, etc.

**Samples**



**End of HRODC\_CW6.C - Card Wrapping Machine Description**

With Kindest Regards,




**Prof. Dr. R. B. Crawford**  
Chief Executive

**Additional Comments**

Please note that we are actively engaged in research and development. Consequently, our product description, specification and aesthetic features are constantly changing so as to improve the quality and physical appearance of the products to our clients. Consequently, e might vary the characteristics of the above products, without notice.

