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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:	Prof. Dr. Crawford
Number of Pages:	21

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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Chief Executive & Chief Consultant – HRODC Ltd.



V.A.T. # 8958 765 38

Column Number						
Row No.	1	2	3	4	5	6
	Product or Service	Product/ Service #	Short Description	Quantity	Actual Unit Price	Approximate Total Cost in GB Pounds
1.	Card Printer - Zebra P310i	N/A	Fast, Full-Colour, High-Quality Plastic Card Printer with iSeries Intelligence. Single sided printer, with smart card contact encoder – USB and Ethernet	1	Price - According to specification	Price - According to specification
2.	Card Printer - Zebra P110i	N/A	Zebra P110i Single-sided plastic card printer.	1	£1,275.00	£1,275.00
3.	Zebra P420i	N/A	It is a dual-sided, edge-to-edge, card printer readily prints high quality, personalized photo ID cards for high volume applications.	1	£2,353.00	£2,353.00
4.	Zebra P640i - A	N/A	Double Sided Colour Printer with Double Sided Lamination with USB.	1	£4639.30	£4639.30
5.	Zebra P640i - B	N/A	Double Sided Colour Printer with Double Sided Lamination with USB and Smartcard Encoder.	1	£5114.30	£5114.30
6.	Zebra P640i - C	N/A	Double Sided Colour Printer with Double Sided Lamination with USB and Magnetic Encoder.	1	£4921.50	£4921.50
7.	Datacard Group SP25+ Colour Card Printer	N/A	Designed for low volume, manual feed, simplex card printing with re-writable functionality.	1	£600.00	£600.00
8.	Datacard Group SP35+ Colour Card Printer	N/A	It is fast print speeds, superb image quality and simple operation at a value price. Good looks and a compact size.	1	£1,275.00	£1,275.00
9.	Datacard Group SP55+ Colour Card Printer	N/A	Full-colour printing: Up to 180 cards per hour (one-sided); up to 115 cards per hour (two-sided).	1	Price: £1,550.00	Price: £1,550.00



Column Number						
Row No.	1	2	3	4	5	6
	Product or Service	Product/ Service #	Short Description	Quantity	Actual Unit Price	Approximate Total Cost in GB Pounds
10.	Datacard Group SP75+ Colour Card Printer	N/A	Prints up to 170 cards per hour front side YMCK ribbon with front side lamination, and up to 148 cards per hour front side.	1	£3500.00	£3500.00
11.	Datacard Group RP90/RL90 Colour Card Printer	N/A	Prints on a variety of surfaces including non-PVC materials, Optional RL90 card laminator to apply clear & secure laminates and topcoats.	1	£4,000.00	£4,000.00
Delivery		To be advised				
Subtotal						
V.A.T. @17.5%		Europeans Only				
Grand Total						
Payment Terms		<ol style="list-style-type: none"> 100% of the cost of customised products costing up to £20,000.00 is required at the time of order. 100% of the cost of off-the-shelf products must be made at the time of order. Payment details will be sent with the Proforma invoice. The prices quoted above exclude the cost of delivery, installation and training, unless otherwise indicated in the product specification, below. 				



Product Description

Zebra P310i



Description

Printer Speed

144 cards/hr (YMCKO) 900 cards/hr (resin black - K)

Single or Dual-Sided Capability

Single-sided

Color Printing

Color

Monochrome

Lamination Capability

None

For high quality printing at an affordable price, choose Zebra's P310i. Easy to use and reliable, this single-sided card printer makes color card printing low-cost and simple.

The Zebra Superb for:

- ◆ Access Control
- ◆ Driver Identification
- ◆ Meter Readers' Identification
- ◆ Gift Cards
- ◆ Loyalty Cards
- ◆ Membership Cards
- ◆ Staff Identification
- ◆ Student Identification
- ◆ Visitor Identification

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◆ **Advanced Color Printing**

Enhanced color-processing firmware, new richer ribbon color formulation, optimized for printing photo identification badges and membership cards.

◆ **Operator Convenience**

Easy-to-use "load and go" ribbon system, automatic driver configuration, ribbon low notification, quick reference Operator Help Guide, Windows® 98, ME, NT, 2000, and XP printer drivers with install wizard.

◆ **Reliable Operation**

Based on the highly reliable, field-proven P310 print engine.

◆ **Zebra i Series Intelligent Printing System**

The P310i also features the benefits of enhanced i Series functionality. Enhanced iSeries functionality makes high image quality card printing a simple function for all users.

Features:

- ◆ Advanced RFID Technology
- ◆ Automatic Driver Configuration
- ◆ Intelligent Color Optimization
- ◆ Ribbon Image Counter & Ribbon Low Notification
- ◆ Enhanced Ribbon Formulation



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Printer Model P310i	Single Side Colour Card Printer			
Part Number	CONFIGURATION			HRODC Price (£)
	Smart Card Contact	Dual Co Mag Encoder	USB/Parallel Interface	
P310i-0000U-ID0			X	£1,710.80
P310i-E000U-ID0	X		X	£1,835.80
P310i-0M10U-ID0		X	X	£1,992.90
P310i-EM10U-ID0	X	X	X	£2,117.90

Compatible TrueColours Multi-Panel i Series Ribbons (all i ribbons include a cleaning roller)			
Part Number	Description	No. Of Prints Per Roll	HRODC Price (£)
800015-440	YMCKO colour i ribbon	200	£42.90
800015-540	YMCKO colour i ribbon	330	£75.00
800015-547	½ panel YMC full panel KO i ribbon	450	£66.00
800015-445	YMCK colour i ribbon	250	£46.50
800015-450	KdO black dye sublimation ribbon with overlay	500	£46.50

Product ID: BLA000-0001

Product Description: Plain White Cards 0.76mm Pk of 500

Price: £36.00 each



Zebra P110i

Alternative Printer: Zebra P110i Single-sided plastic card printer = **£1,275.00**



Description

For versatility and reliability in a compact frame, look no further than the Zebra P110i. Ideal for space-constrained work areas and budgets, Zebra's P110i is the most versatile and cost effective solution for your single-sided printing needs.

Compact and Flexible

- » Small footprint easily fits into a wide range of locations
- » Weighs less than 10 pounds (4.3 kg)
- » Print color or monochrome

Reliable Performance

- » Made with high strength plastics and advanced electronics using patent pending technologies for high reliability and lower maintenance costs
- » Only printer in its class to offer comprehensive printer status and feedback on built in LCD screen
- » Optional magnetic stripe encoding (HiCo/LoCo)

Easy-to-Use

- » Intuitive design simplifies set-up and

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reduces training costs

- » LCD screen provides printer status and error messaging
- » Translucent card cover allows you to see when card supply is running low
- » Simple printhead replacement – no tools required!



Series* Functionality

- » Automatic color optimization and driver configuration
- » Enhanced ribbon formulation for optimal color output
- » Ribbon image counter and ribbon low notification

Load-N-Go™ Ribbon Cartridge

Load-N-Go™ ribbon cartridge with integrated card cleaning roller for easy ribbon replacement





General Specifications

- » Integrated card feeder
- » Load-N-Go™ drop-in ribbon cartridge
- » 16-character LCD display
- » Windows® Drivers for 2000 and XP
- » One year printer warranty
- » One year (unlimited passes) printhead warranty

Printing

- » Color dye sublimation or monochrome thermal transfer printing
- » 30 seconds per card full-color single-sided (YMCKO)
- » 300 dpi (11.8 dots/mm) print resolution

Bar Codes

- » Code 39, Code 128 B & C with & without check digit
- » 2 of 5 & 2 of 5 Interleaved
- » UPC-A, EAN 8 & EAN 13
- » PDF-417 2D bar code and other symbologies can be printed via Windows drivers

Card Specifications

- » Types: PVC, PVC Composite
- » Card width/length: ISO CR-80-ISO 7810, 2.12" (54mm) x 3.38" (86mm)
- » Magnetic Stripe-ISO 7811
- » Smart Card contact and contactless
- » Card thickness: 30 mil (.76mm)
- » Card feeder capacity: 100 cards (30 mil)
- » Card output hopper capacity: 45 cards (30 mil)

Communications Interface

- » USB 1.1 (USB 2.0 compatible) cable included

Ribbon Specifications*

- » Load-N-Go™ ribbon cartridge with integrated card-cleaning roller
- » i Series ribbon™ information technology
- » YMCKO: 200 cards/cartridge
- » Monochrome: 1000 cards/cartridge black or blue, 850 cards/cartridge white

**for optimum printer performance use Genuine Zebra Supplies*

Mechanical

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- » Width: 7.9 in (201mm)
- » Depth: 12.9 in (328mm)
- » Height: 8.5 in (216mm)
- » Weight: 9.5 lbs (4.3kg)

Electrical

- » 100 ~ 240 Volts AC, 50 ~ 60 Hz (auto switching)
- » 8MB image memory standard
- » FCC Class A, CE, UL, CUL, and CCC approved

Environmental

- » Operating Temperature: 60°F to 86°F (15°C to 30°C)
- » Operating Humidity: 20% to 65% non-condensing
- » Storage Temperature: 23°F to 158°F (-5°C to 70°C)
- » Storage Humidity: 20% to 70% non-condensing
- » Ventilation: Free air

Options

- » Magnetic encoder (30 mil cards only), 3 track Stripe Up or Down HiCo/LoCo
- » CardSense™ single card-feed mode
- » Starter Kit (200 - 30 mil PVC cards and 1YMCKO ribbon)
- » Cleaning Kit (4 print engine and 4 feeder cleaning cards)

Genuine Zebra Supplies

» Your choice of card printer supplies is critical. It is a primary factor affecting the reliability and consistency of printing. Genuine Zebra Supplies meet stringent quality standards and are tested for optimum performance with Zebra card printers.

Software drivers for the Zebra P110i Card Printer have been tested to ensure that they meet Microsoft® standards for Windows® compatibility. Microsoft, Windows, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

Product ID: ELT-800015-901

Product Description: 1000 image Mono Black Cartridge for P110i (500 images if printing on both sides)
Price: £22.90

Product ID: ELT-800015-940

Product Description: 200 image YMCKO Colour Cartridge for P110i (100 images if printing on both sides)
Price: £53.90

Product ID: BLA000-0001

Product Description: Plain White Cards 0.76mm Pk of 500
Price: £36.00 each

Product ID: ELT-105912-912

Product Description: Premier Cleaning Kit for the P110i/P120i
Price: £22.90 each



Zebra P420i



Description

With its LCD display and convenient user features, this rugged, dual-sided card printer readily prints high quality, personalized photo ID cards for high volume applications.

Ideal for

- Access Control
- Driver Licensing
- Secure Identification
- Staff Identification
- Student Identification

Advanced Colour Printing

Enhanced colour processing firmware and new richer ribbon colour formulation.

Reliable, High Performance Operation

Full metal enclosure and field proven reliable P310 engine. Reject hopper separates cards that fail encoding prior to printing.

Zebra iSeries Intelligent Printing System

Enhanced iSeries functionality makes high image quality card printing a simple function for all users.

The system features:

- Advanced RFID Technology
- Automatic Driver Configuration
- Intelligent Colour Optimization
- Ribbon Image Counter & Ribbon Low Notification
- Enhanced Ribbon Formulation

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Printer Speed

102 cards/hr (YMCKOK)

Single or Dual-Sided Capability

Dual-sided

Single-sided

Colour Printing

Colour - Monochrome

Security Identification

With Zebra card printers, you have the power to create secure identification tools where and when you need them. Zebra card printers work with a variety of card-based access credentials, including proximity, magnetic stripe, and smart cards. RFID technology makes printing easy while taking security a step further, ensuring that only authorized individuals are able to print identification cards.

General Specifications

- High speed card printing
- 102cards/hour full colour, dual sided (YMCKOK)
- 4MB image memory standard
- Standard card flip over feature for dual-sided printing
- Windows® drivers for 98, 2000, NT, ME, XP
- One year printer warranty
- One year (unlimited passes) printhead warranty
- Passcode electronic lock

Colour Printing

- Colour dye sublimation or monochrome thermal transfer printing
- 35 seconds per card, dual sided (YMCKOK)
- 300 dpi (11.8 dots/mm) print resolution



Zebra P640i – A



Description

A Complete Security Solution for Tamper Resistant ID Cards

Adding unique security features to ID cards is easier, faster, and more economical with Zebra's P640i. Protect your ID cards from counterfeiting, alteration or duplication with the P640i's customizable levels of security. Zebra is one of the first manufacturers to offer an extended range of security options for all printing components - cards, ribbons, laminates and printers.

Use the P640i printer for:

- Card applications requiring long lasting, secure issuance of tamper-resistant ID's
- Military and Government ID cards
- High Security Access Control ID Cards
- Airport ID Cards
- Law Enforcement and Correctional Facility ID Cards

Zebra P640i Best in Class Features:

- Lowest consumables cost per card in the industry
- Highest production output speed with continuous card loading feature.
- Superior print quality for optimal color fidelity and precision details.
- Reliable and easy to use.

Quick Specs

- Full Colour Dual-Sided Card Printer and One-pass waste-free lamination
- Micro Card Positioning for Excellent Color Registration and Superior Print Quality
- Built-in Ethernet for Network Capability (optional)
- 120 cards/hour printing and laminating (YMCK ribbon & 1.0 mil laminate both sides)
- **Print Speed:** 30 seconds per card (YMCK & dual sided lamination)
- **Resolution:** 300 dpi
- **Print Method:** Colour dye sublimation and resin K



There are three different types of Zebra P640i Card Printer

Zebra P640i - A	Double Sided Colour Printer with Double Sided Lamination with USB.	£4639.30
Zebra P640i - B	Double Sided Colour Printer with Double Sided Lamination with USB and Smartcard Encoder.	£5114.30
Zebra P640i - C	Double Sided Colour Printer with Double Sided Lamination with USB and Magnetic Encoder.	£4921.50



Datacard Group SP25+ Colour Card Printer



Price: £600.00

Description

Designed for low volume, manual feed, simplex card printing with re-writable functionality. The value-priced SP25 card printer combines high-quality, full-colour card printing and innovative rewritable card technology in a cost-effective design that is ideal for small ID programs and/or card programs which require a reusable card.

- Optional magnetic stripe encoding
- Prints one full colour card every 30 seconds or one monochrome card in 12.4 seconds
- Re-writable cards feature a clear heat sensitive layer that can be erased and rewritten over 500 times
- Ideal for Student & Patient ID, Retail Loyalty cards, Visitor ID and Recreational card requirements such as Gym and Ski passes

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Datacard Group SP35+ Colour Card Printer



Price: £1,275.00

Description

The SP35 card printer gives you fast print speeds, superb image quality and simple operation at a value price. Good looks and a compact size make the printer a welcome addition to any desktop.

The SP35 card printer personalises up to 120 full-colour and up to 500 one-colour cards per hour. Despite its fast operation, this attractive printer weighs less than nine pounds and is easily transportable, letting you print cards in a confined workspace. 2 Year Warranty as standard

- Prints up to 120 full colour or 500 one colour cards per hour
- Easy Access components including quick change ribbon cartridges
- Microsoft® Windows® 98, 2000, Me and XP printer drivers
- Ideally suited to Access Control, Casino, Leisure and Education applications



Datacard Group SP55+ Colour Card Printer



Price: £1,550.00

Description

The Datacard SP55 card printer delivers high-quality photo IDs that elevate security programs to entirely new levels. Smart card, magnetic stripe, bar code and proximity options make it easy to create multi-technology IDs that provide authorised users with secure access to facilities, networks and other privileges.

For consumer marketers, this printer serves as a powerful platform for highly profitable loyalty programs. In addition, the SP55 card printer has an Ethernet port option for easy networking. 2 Year Warranty as standard

- Full-colour printing: Up to 180 cards per hour (one-sided); up to 115 cards per hour (two-sided)
- Encodes Magnetic Stripe Tracks 1, 2 & 3
- Microsoft® Windows® Me, 2000 and XP operating system printer driver (Windows NT® operating system printer driver with Ethernet option)
- HID compatible Proximity Reader

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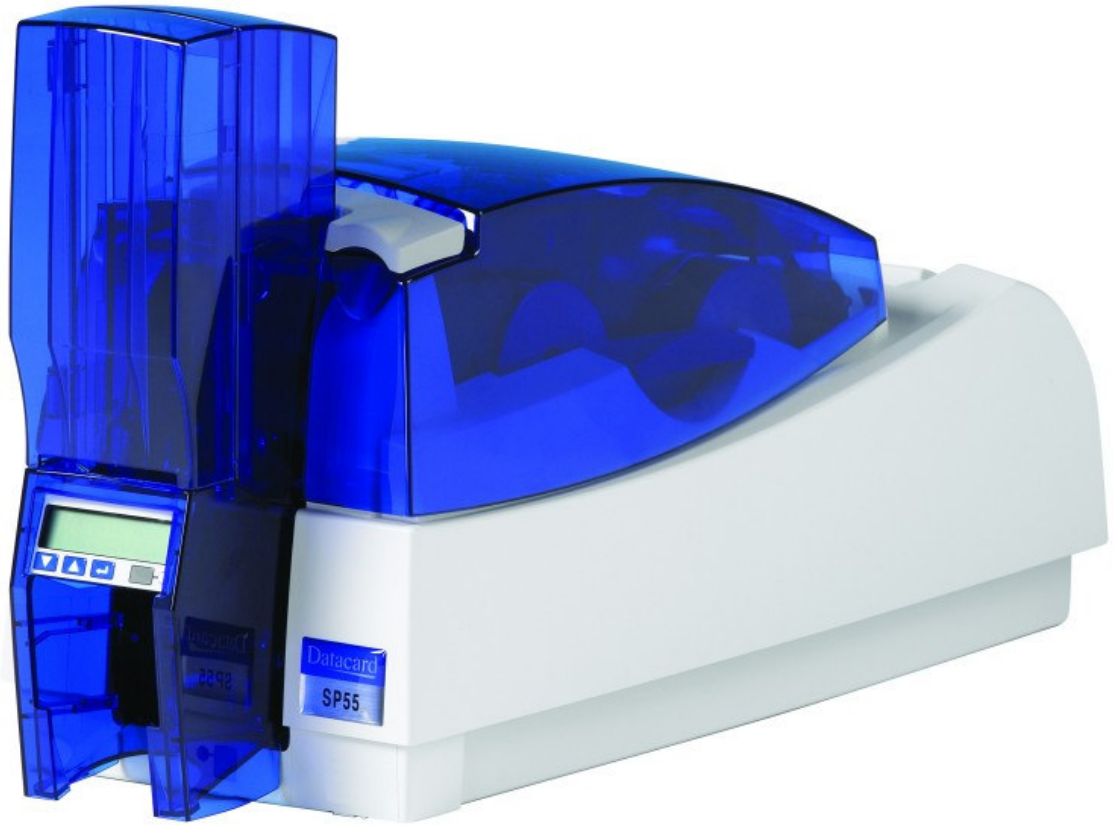
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Datacard SP 55, with Hopper = Card Input Hopper. £80.00



Datacard Group SP75+ Colour Card Printer



Price: £3,500.00

Description

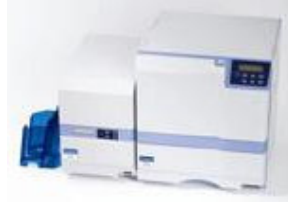
The SP75 card printer can laminate cards printed by another printer or print cards without laminating, as well as apply the same laminate to both sides or different laminates to each side of the card. As part of an integrated solution, it can issue Contactless and contact smart cards, proximity cards and IDs with magnetic stripes and bar codes.

It is designed to protect critical assets and enhance security in Government and Corporate applications. A theft deterrent hardware lock suite keeps supplies and rejected cards locked in the printer. The unit itself can also be secured to a desk or tabletop with a Kensington lock.

- Prints up to 170 cards per hour front side YMCK ribbon with front side lamination, and up to 148 cards per hour front side YMCK-K ribbon, back side K with front side lamination
- Microsoft® Windows® Me, 2000 and XP operating system printer driver
- Magnetic stripe encoding, IAT or NTT, dual high & low co-ercivity
- Smart Card personalisation - Contact/Contactless all in one reader, Contact Station, HID and iCLASS PC Prox reader
- Ideally suited to National ID, Ministry of Defence, Police, Government and Access Control applications.



Datacard Group RP90/RL90 Colour Card Printer



Price: £4,000.00

Description

The RP90 card printer is engineered for government agencies and other organizations to meet heightened safety and security requirements that drive demands for smart card and unconventional card-material photo IDs. The RP90 card printer meets these requirements easily and cost-effectively with durable, high-quality cards.

- Dye sublimation re-transfer printing
- Prints on a variety of surfaces including non PVC materials
- Issues Contact/Contactless, Proximity or Dual-Interface cards
- Optional RL90 card laminator to apply clear and secure laminates and topcoats

Additional Comments	NA
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