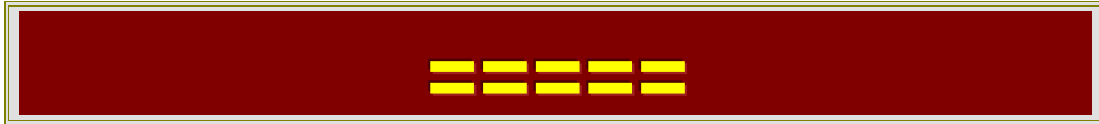


HRODC Ltd.



HRODC Ltd QUOTATION



With Kindest Regards,

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

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

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:consult@hrod-consultancy.com sales@hrod-consultancy.com Website: http://www.hrod-consultancy.com</p>		<p>328 Linen Hall, 162-168 Regent Street, London. W1B 5TD, UK Telephone: +44 (0) 20 82657008 Fax/Phone: +44 (0) 20 84809628 Mobile: +44 (0) 7736 147507 E-mail: consult@hrod-consultancy.com sales@hrod-consultancy.com Website http://www.hrod-consultancy.com</p>
<p align="center">Human Resource and Organisational Development Consultancy (HRODC) Ltd.</p>		

HRODC Ltd QUOTATION

To:	
Quotation #	
Req. Ref.	NA
Date Issued:	
Validity Period:	30 Days
Prepared By:	Prof. Dr. R. B. Crawford
Number of Pages:	24

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.

Human Resource and Organisational Development Consultancy (HRODC) Ltd. Registered in England No. 6088763. 2

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

Quotation

Column Number						
Row No.	1	2	3	4	5	6
	Product or Service	Product/Service #	Short Description	Quantity	Unit Price	Total Cost US\$
1.	Card Laminator	HRODC_DSL1	PVC Sheet Laminator, card Board Laminator - Hot and Cold Lamination. Up To 12,000 Cards Per Hour. HRODC_DSL1	1	\$108,000.00	\$108,000.00
2.	Card Punch	HRODC_ACP4	HRODC_ACP4 Automatic PVC and Paper Card Punch; PVC Card Punching Machine Up To 10,000 Cards Per Hour	1	\$75,000.00	\$75,000.00
3.	Cutter – Multi-substrate	HRODC_ACP5	HRODC_ACP5 Automatic Card Punch – PVC CR80 Card Cutting Machine	1	\$44,062.50	\$44,062.50
4.	SIM Card Miller	HRODC_SCM1	SIM Car Milling Machine - HRODC_SCM1 Automatic High Speed IC Card Milling Machine	1	\$131,250.00	\$131,250.00
5.	SIM Card Implanting Machine.	HRODC_SICM1 SIM	SIM Card - IC Card Implanting Machine - HRODC_SICM1 SIM Card Implanting Machine.	1	\$127,500.00	\$127,500.00
6.	SIM Card Punching Machine	HRODC_SCP1	HRODC_SCP1 High Speed SIM Card Punch Machine - SIM Card Punching Machine	1	\$84,375.00	\$84,375.00
7.	Card Embosser	HRODC_ACEM1	HRODC_ACEM1 Fully Automatic Embossing and Gilding Machine	1	\$105,000.00	\$105,000.00
8.	Magnetic Taper Layer	HRODC_AMSA1	Magnetic Tape Layer - HRODC_AMSA1 Automatic Magnetic Tape Applicator	1	\$83,625.00	\$83,625.00

Human Resource and Organisational Development Consultancy (HRODC) Ltd. Registered in England No. 6088763. 3

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

Column Number						
Row No.	1	2	3	4	5	6
	Product or Service	Product/ Service #	Short Description	Quantity	Unit Price	Total Cost US\$
9.	Embossing/ Gilding Machine	HRODC_ACEM1	HRODC_ACEM1 A Full Automatic Embossing and Gilding (Tipping) Machine	1	\$105,000.00	\$105,000.00
10.	Card Embosser	HRODC_MCEM3	HRODC_MCEM3 Embosser with Russian	1	\$17,812.25	\$17,812.25
11.	Card Embosser	HRODC_MCEM4	HRODC_MCEM4 Embosser.	1	\$18,375.00	\$18,375.00
12.	Manual Embosser	HRODC_MCEM1	HRODC_MCEM1 Manual Embosser Machine	1	\$15,000.00	\$15,000.00
13.	HRODC_MCEM2		HRODC_MCEM2 Manual Embosser	1	\$16,687.75	\$16,687.75
Subtotal		Excluding Delivery, installation and training				
Delivery		To be advised				
V.A.T.		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 US\$40,000.00 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 US\$40,000.00 is required at the time of order. 				



Product Description

Start of Sheet Laminator Description

**PVC Sheet Laminator, card Board Laminator - Hot and Cold Lamination
Up To 12,000 Cards Per Hour.**



HRODC_DSL1 PVC Sheet Laminator, Card Board Laminator - Hot and Cold Lamination – General Description

- ◆ 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
- ◆ Its high aesthetic appearance and smooth operation makes it a winner in any pre-contract inspection, contributing greatly to the success of your overall operation

Human Resource and Organisational Development Consultancy (HRODC) Ltd. Registered in England No. 6088763. 5

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

HRODC_DSL1 PVC Sheet Laminator, Card Board Laminator - Hot and Cold Lamination 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)
- 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 Description

Human Resource and Organisational Development Consultancy (HRODC) Ltd. Registered in England No. 6088763. 6

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

Start of HRODC_ACP4 Automatic Card Punch Description

HRODC_ACP4 Automatic PVC and Paper Card Punch; PVC Card Punching Machine - Up To 10,000 Cards Per Hour



HRODC_ACP4 Automatic PVC and Paper Card Punch, PVC Card Cutter ; PVC Card Punching Machine - Technical Specification

- 1 Maximum Production Capacity: 10,000 Cards Per Hour
- 2 Control Method: PLC control
- 3 Input material: 0.35-0.9 PVC Sheet
- 4 Card Layout: 3 x 8, 4 x 8, 5 x 5,
- 7 Power: AC 380 50/60HZ
- 8 Machine Dimensions:
 - Length = 1,770 mm
 - Width = 830 mm

Human Resource and Organisational Development Consultancy (HRODC) Ltd. Registered in England No. 6088763. 7

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

◆ Height = 1,520 mm

9 Pneumatic Pressure: 6 kg/cm²

9 Machine Weight: 550 kg

10 Machine Built-in Protection:

- ◆ Constant Temperature,
- ◆ Dust-proof
- ◆ Constant Humidity - Humidity-proof

11 NO. of Operators Required: 1

End of HRODC_ACP4 Card Punch Description



HRODC_ACP5 Automatic Card Punch – PVC CR80 Card Cutting Machine



HRODC_ACP5 Automatic Card Punch – PVC CR80 Card Cutting Machine

General Description

- Automatic operation
- Multi-substrate Compatibility:
 - Polyvinyl Chloride (PVC)
 - Polyethylene Terephthalate (PET)
 - ABS
 - Paper
 - Polycarbonate
 - Teslin

Human Resource and Organisational Development Consultancy (HRODC) Ltd. Registered in England No. 6088763. 9

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

- Stepper Motor system
 - Brushless motor
 - Synchronous electric motor that provides full rotation
 - Multiple steps
- Position Sensor – seek-find
- Servo Motor sheet management system
- Cylinder-action for rear and front die-cutting motion
- Motorised waste removal system
- PLC control
- Special hydraulic pressure system for die punching stability
- Dual registration system
- Accurate Print Registration System
- Optical registration tracking sensor
- Automatic card collecting system
- Direct 'blank card' punching system
- Colour touch screen Lead Crystal Display (LCD)



HRODC_ACP5 Automatic Card Punch - PVC CR80 Card Cutting Machine**Technical Specification**

- External Dimensions:
 - Length: 1,510 mm
 - Width: 860 mm
 - Height: 1,800 mm
 - Weight: 900 Kg
- Voltage: AC 380 Volts 50/60HZ
- Power Consumption: 5.5KW/h
- Air Consumption:6 Kg/cm
- Control System: PLC
- Number of Operator Required:1
- Machine Speed:
 - 9,000 CR80 Cards Per Hour, based on 3 dies
 - 12,000 CR80 Cards Per Hour, based on 4 dies
- Punch Layout:
 - 2×8
 - 3×8
 - 4×8
 - 5×5



Start of Card Milling Machine Description

SIM Car Milling Machine - HRODC_SCM1 Automatic High Speed IC Card Milling Machine



SIM Car Milling Machine - HRODC_SCM1 Automatic High Speed IC Card Milling Machine

SIM Car Milling Machine - HRODC_SCM1 Automatic High Speed IC Card Milling Machine Technical Specification

Specifics	Values
➤ Milling Speed	➤ Up To 2,000 Cards Per Hour (depending on standard IC module size)
➤ Control Method	➤ PLC control, duo servo system
➤ Input material	PVC, ABS card
➤ Max. milling size	15 x 15 mm
➤ Milling depth	2 stairs, depth adjustable
➤ Milling precision	+ 0.03mm
➤ Safety measure	Self-detective and alarming function for card feeding /

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.

12

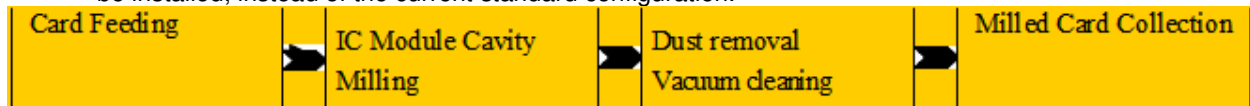


V.A.T. # 8958 765 38

- collecting, emergency stop for any emergent situation
- Power AC 380 50/60HZ
 - Pneumatic Pressure 6kg/cm²
 - Dimension, Alarm indicator
 - Length = 2,000 mm
 - Width = 900 mm
 - Height = 2,100 mm
 - Total Machine Weight 1,500 kg
 - Built Protective Features
 - Constant Temperature,
 - Dust-proof
 - Humidity-proof
 - NO. of Operators Required 1
 - Multi-station Operation Two units of Milling station located on both sides, working independently or together

Please Note that:

- Milled cavity depth inspection function is available on request, as optional extra.
- Where a 'production defect rate' of less than 3% is required, a Japanese Mitutoyo 'Measure Meter' can be installed, instead of the current standard configuration.



End of Card Milling Machine Description



Start of IC Card Implanting Machine Description

SIM Card - IC Card Implanting Machine - HRODC_SCIM1 SIM Card Implanting Machine.



SIM Card - IC Card Implanting Machine - HRODC_SCIM1 SIM Card Implanting Machine. Cost = £85,000.00 (CRD 01/12/08)

SIM Card - IC Card Implanting Machine - HRODC_SCM_1 SIM Card Implanting Machine. Technical Specification

Specifics	Value
➤ Machine Speed	2,000 Cards Per Hour (IC module model: M2 /M3)
➤ Control Method	PLC control, with 7 inch LCD
➤ Input material	PVC, ABS, standard IC module roll & adhesive tape roll
➤ Output	Meets the requirements of ISO 7816 Standard Safety measure :Self-detective and alarming function for card

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.

14



V.A.T. # 8958 765 38

feeding /collecting, emergency stop for any emergent situation

➔ Power AC 380 50/60HZ

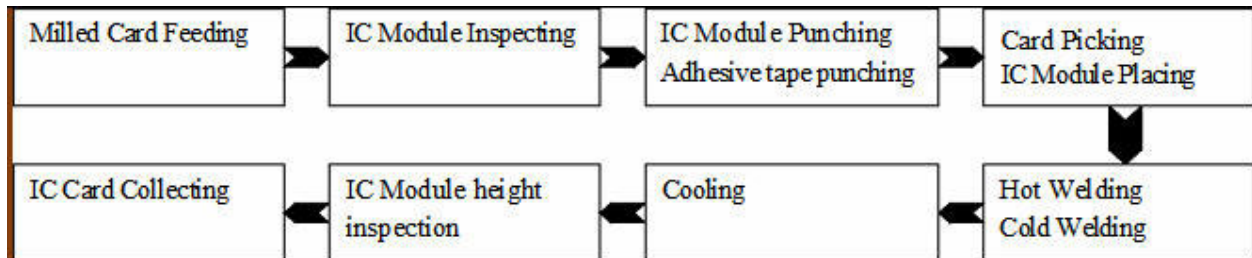
➔ Pneumatic Pressure 6kg/cm² (compressed air without dust, oil and humidity)

➔ Machine Dimensions, Length = 1,720 mm including Alarm Width = 850 mm Indicator Length = 2,100 mm ()

➔ Total Machine Weight 800 kg

➔ Built-in Maintenance Features Constant Temperature, Dust-proof Humidity-proof

➔ Number of Operators Required 1



End of IC Card Implanting Machine Description



Start of SIM Card Punch (Skeleton) Machine Description

HRODC_SCP1 High Speed SIM Card Punch Machine - SIM Card Punching Machine



HRODC_SCP1 High Speed SIM Card Punch Machine - SIM Card Punching Machine = £56,250.00 (CRD 01/12/08)

HRODC_SCP1 High Speed SIM Card Punch Machine - SIM Card Punching Machine. Technical Specification

Specifics	Value
➤ Input Power	AC 380V/50ITZ
➤ Total Power	2.5KW
➤ Pressure Input	6kg/cm ² (compressed air without dust, oil and humidity)
➤ Total weight	600 kg
➤ Maximum	2,000 Cards Per Hour
➤ Control Method	PLC Control
➤ Precision Position	±0.020mm
➤ Card Specification	ISO Standard card

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.

16



V.A.T. # 8958 765 38

**Beginning of Additional SIM Card Machine –
Twin Card – Swipe Card Machine Description
HRODC_ACEM1 Fully Automatic Embossing and Gilding Machine**



HRODC_ACEM1 Fully Automatic Embossing and Gilding Machine Technical Specification

- .Package
- 1.Size:1670X780X1800mm
- 2.Net Weight:About the 800 Kgs
- 3.Power Supply:AC380V/50-60HZ 5KW
- 4.Air Supply:The 6 Kgs/ c m² (have no water)
- 5.Control Mode: Tread System + the PLC Process Control
- 6.Production : 4000-5000 Cards Per Hour

HRODC_ACEM1 Fully Automatic Embossing and Gilding Machine Product Description

- Fully automatic embossing and gilding machine It is a highly intelligent code marking machine that is flexible enough to produce a range of small to large codes, with its added code-collection facility.
- Its double hydraulic pressure contributes largely to its excellent performance. Both its working speed and code-marking speeds are adjustable.
- Its touch-screen display controls facilitate simultaneous code-marking marking and

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.



gilding, but these tasks can also be performed separately.

- HRODC-ACEM1 – a Fully automatic embossing and gilding machine facilitates a range of character sizes, which can be arrayed for a maximum of 20 rows, thereby meeting the requirements of most cards, including bank cards and credit cards.
- The position of the character can be adjusted in such a way that the distance between them, with the long edge positioned up to 3.0mm from the card edge.
- The left-right distance error should be in the range of $\pm 0.5\text{mm}$, and the upper-lower distance error in the range of 0.25mm.
- It can also be programmed to remove the unwanted numbers.
- Its PLC program provides precise control for the machine, facilitating its automatic control settings. This means that it will automatically stop and activate its in-built alarms when the card hopper is empty or if a fault develops
- Its user-friendly touch-screen display makes its operation simple and convenient
- The moving rate of the gilding strips can be adjusted so as to increase or decrease the utilisation of the gilding consumables
- The double-cartridge card collection system reduces the probability of system malfunction
- The character sets are in conformity to and compatible with ISO Standards, giving rise to a high-level aesthetic output.

HRODC_ACEM1 Fully Automatic Embossing and Gilding Machine



Start of HRODC_AMSA1 Magnetic Tape Applicator Description
Magnetic Tape Layer - HRODC_AMSA1 Automatic Magnetic Tape Applicator

Fully Automatic Digital Magnetic Tape Applicator



Magnetic Stripe Layer - HRODC_AMSA1 Automatic Magnetic Stripe Applicator.
General Description

- ◆ Fully automatic tape application operation
- ◆ Touch-screen Computer Control – PLC
- ◆ Simultaneous clamp-clip gripping of tape and card sheet Servo-motor operation, enhancing speed and precision

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.

20



V.A.T. # 8958 765 38

- Accommodates 'magnetic tape-card attachment'
- Facilitates 'magnetic tape-film adhesion'
- Simultaneous 'tape-attachment' and 'glue-welding' operation
- Flexible sheet card size from > A3 to < A3
- Operational simplicity
- Accommodates small volume, as well as large volumes
- Hitch-free maintenance
- Robust operation
- High-precision magnetic tape application
- Automatic error alarm
- Adjustable welding position, time, and temperature settings
- Low-waste operation
- Power: AC 220V/50 HZ
- Total Power: 6.5 kw
- Air supply: 6 kg/cm²
- Machine Weight: 500 kg
- Control mode: PLC program+ servo system
- Welding Position Precision: ± 0.30 mm
- Worktable Plate Dimensions:
 - Length = 500 mm (A2 width-wise)
 - Width = 490 mm (A2 width-wise)
 - Overall = A3

Machine Size:

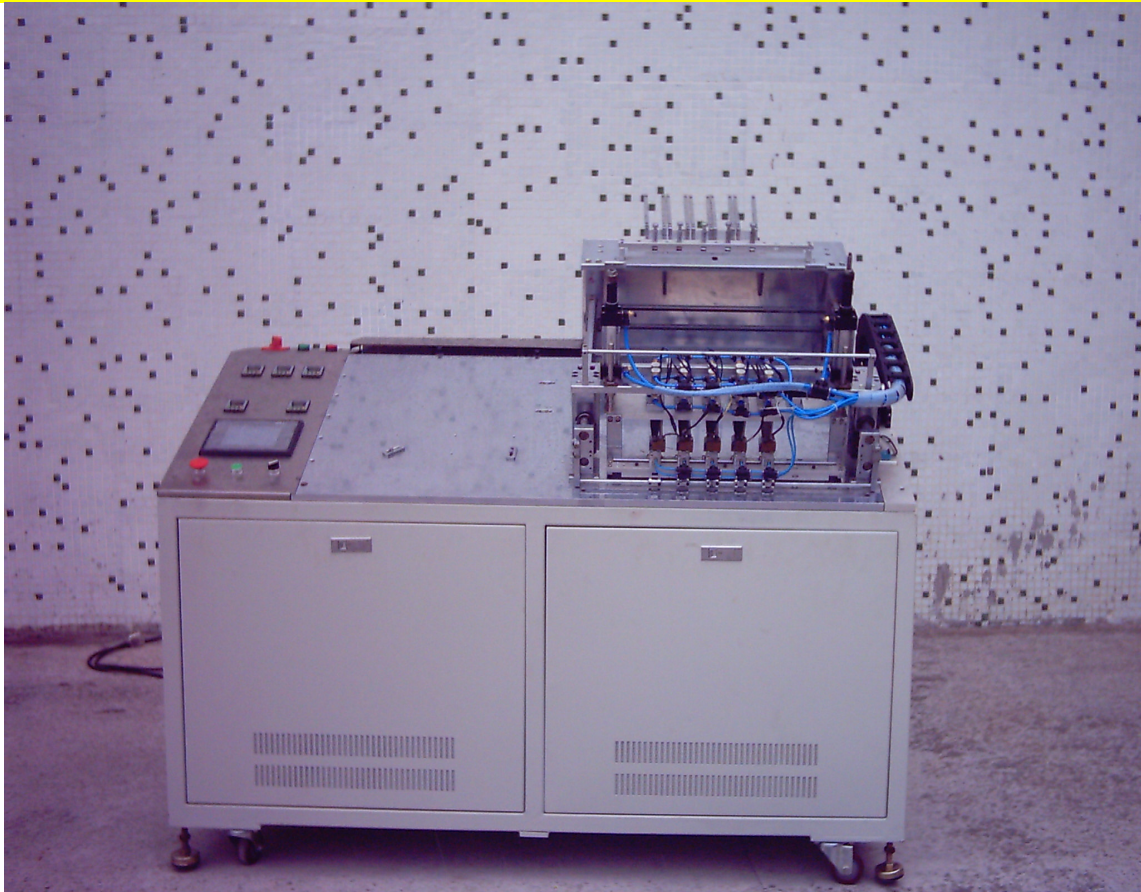
- Length = 1,350
- Width = 780 mm
- Height = 1650 mm

End of HRODC_AMSA1 Magnetic Tape Applicator Description



Start of HRODC_AMSA2 Automatic Magnetic Tape Applicator – Magnetic Tape Laying Machine Description and Specification

£68,250.00 (CRD 01/12/08)



General Description

- ✚ Equipped with 'boiling hot technology'
- ✚ Accommodates coiled magnetic stripe
- ✚ Accommodated multiple-substrate films – PET, PVC, etc.
- ✚ Multi-substrate card sheets facilitated
- ✚ Dual application method – heat and pressurization
- ✚ Automatic mounting
- ✚ Automatic cutting
- ✚ Preset cutting length

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.

22



V.A.T. # 8958 765 38

- ✚ Automatic magnetic stripe foil recycling
- ✚ High Precision operation
- ✚ Operational stability
- ✚ Film thickness = 0.04-0.2mm
- ✚ Sheet thickness = 0.25-0.8mm

Technical Specification:

- ✚ PLC (computerised) program
- ✚ Touch panel operation
- ✚ Servo motor drive
- ✚ Speed control
- ✚ Film length adjuster
- ✚ Temperature adjustment control
- ✚ Pressure adjustment control
- ✚ Cylinder pressure adjustment
- ✚ Cylinder driven film punch motive

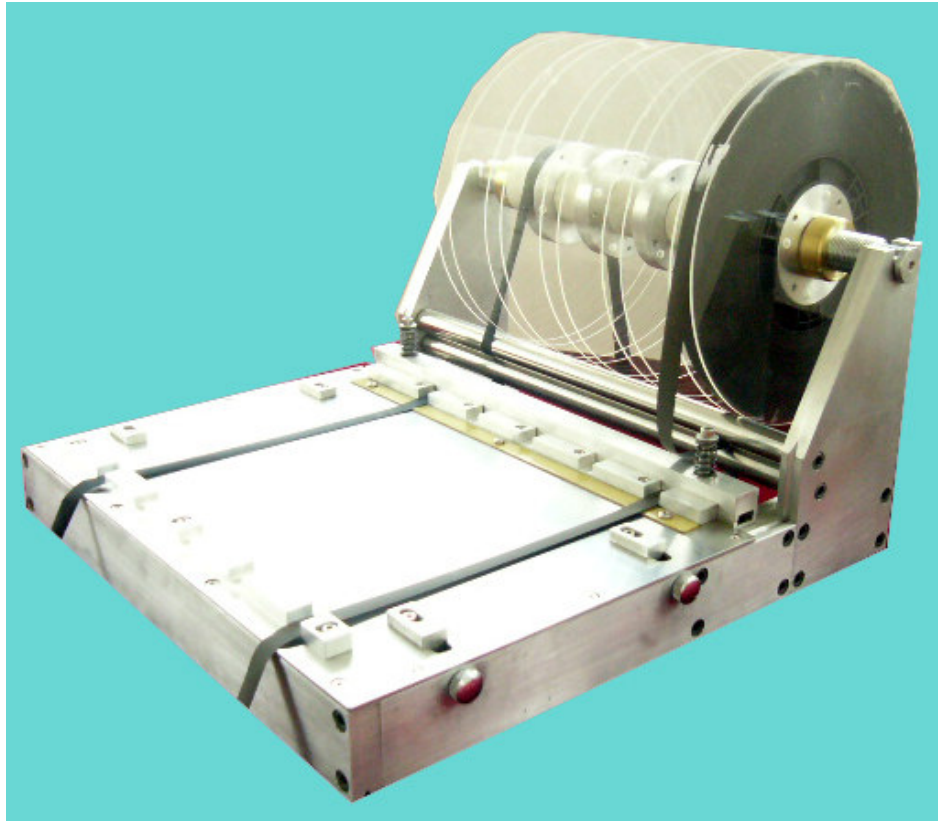
Additional Technical Specification

Coil stock film	0.04-0.2mm inner diameter:3inches,outer diameter 20inches (500mm). Maximum width:580mm
Maximum quantity of magnetic stripes	8
Moving speed	15,000 Cards Per Hour
Positional Accuracy	±0.2mm
Heating Power	3KW
Weight	500 KG
Dimension:	1600*900*1550mm



Start of HRODC_MSA1 Magnetic Tape Applicator

Cost: £18,150.00 (CRD 01/12/08)



- ◆ HRODC_MSA1 Magnetic Tape Applicator is an excellent device for mounting magnetic tapes on credit cards, bank cards loyalty cards, entry cards, and SIM cards.
- ◆ Its simplified operation reduces training time and facilitates operational efficiency.
- ◆ Its built-in quality features contributes greatly towards the overall value-added feature of the card production operation
- ◆ While A4 is the standard sheet input size, it can also accommodate other smaller sheet sizes.

It provides facility for magnetic tape rolls, facilitating a continuous magnetic tape application operation

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.

24



V.A.T. # 8958 765 38

Magnetic Tape Layer HRODC_MSA1 Magnetic Tape Applicator - Technical Specification

- ◆ Format: 2×5
- ◆ Sheet Input Size: 210mm×297mm (A4)
- ◆ Machine Weight: 18 kg
- ◆ Machine Dimensions:
 - Length = 420 mm
 - Width = 420 mm
 - Height = 300 mm

End of SIM Card Machine Description

Additional Comments

NA

With Kindest Regards,



Prof. Dr. R. B. Crawford
Chief Executive

