



# THE PERFECT MATCH

1 - 6 COLORS CD/DVD SCREEN PRINTING SYSTEM

6 COLORS CD/DVD OFFSET PRINTING MACHINE

DIGITAL PRINTING EQUIPMENT

IDENT CODE AND LABEL CHECK SYSTEM

PRE-PRESS ROOM EQUIPMENT

CD-R SORTING MACHINE

DATA SIDE CHECKER

**HANKY**

HANKY & PARTNERS (TAIWAN) LTD.

# Offset Printing System

## Linear Conveyor Printing System

- Square printing conveyor table.
- Motor driving conveyor loading/unloading type.
- Offset head & rollers with one waterless plate for four color image.
- 4 colors in one line ensures the average printing roller pressure
- Temperature control unit for offset printing chamber and plate platform.
- Fully compatible integration with Ident code and print label inspection system.
- Fast plate and title change.
- 3 sets 3.6kw UV curing unit.
- High printing quality and stable color output.
- Two screen printing units.
- Alternative or combination for screen and offset printing.
- Temperature control cooling unit for printing house & plate platform.
- Strong vacuum system ensures disc location during the entire printing process.
- Maximum printing speed : 6,000 pieces per hour.
- Measurement: 410(L) X 189 (W) X 210(H)cm, 7500 kgs



HS-480WD

## Index Table Printing System

- Printing index, printing precision +/- 0.025mm.
- Automatic loading and unloading system. Two loading tables ensure CD loss free, continuous and non-stop printing.
- Offset head & rollers with one waterless plate for four color image.
- Temperature control unit for offset printing chamber and plate platform.
- Fully compatible integration with Ident code and print label inspection systems.
- Fast plate and title change.
- Two screen printing units (for white base and vanishing).
- Alternative or combination for screen and offset printing.
- 3 sets 3.6kw of UV curing units.
- High printing quality and stable color output.
- Temperature control cooling unit for printing house & plate platform.
- Strong vacuum system ensures disc location during the entire printing process.
- Maximum printing speed 4,800 pieces per hour.
- Measurement: 354(L) X 200 (W) X 210(H)cm, 6500 kgs



HS-420F

## Pre-Press Room For Waterless Plate



Registration  
Light Table

HA-OT-6



Punching Unit

HA-OP-6



Exposing Machine

HA-SE-2



Developing  
Processor

HA-OC-6

# Screen Printing System

- 1-6 colors fully automatic screen printing process.
- Single loading/unloading system for CD/DVD.
- Double loading/unloading system specially designed for CD-R/DVD-R.
- Japan turn table mechanical indexer, to hold the printing precision to +/-0.025mm.
- 3.6kw UV Curing unit with adjustable output of 50%, 75% and 100%.
- Germany vacuum pump system.
- Reject spindles for in-line inspection systems.
- Touch screen interface control.
- In-line anti-static process.
- Control panel for each print head.
- No. disc, no print system.
- Numbering control for each spindle on discharge.
- Numbering display for printing quantity.
- Alarm for full CD in discharge spindles.
- Power : 18kw.
- Compressed air: 300 Litre / per minute, 6bar.



Single loading

## For CD/DVD Media Decoration

### Single loading / unloading system

- 1color - CD-100SE 4800pcs / hour
- 3color - CD-300HV 4800pcs / hour
- 5color - CD-5000VE 4500pcs / hour
- CD-5000HV 5400pcs / hour
- 6color - CD-6000VE 4500pcs / hour

## For CD-R/DVD-R Media Decoration

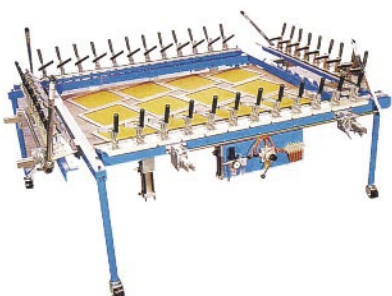
### Double loading / unloading system

- 4color - CD-4000HT 4color 5400pcs / hour
- 2+2color 10800pcs / hour
- 5color - CD-5000HT 5color 5400pcs / hour
- 2+3color 10800pcs / hour
- 6color - CD-6000HT 6color 5400pcs / hour
- 3+3color 10800pcs / hour



Double loading

## Screen Plate Preparation Unit



Mechanical Screen  
Stretcher  
HA-ST-2



Exposing Machine  
HA-SE-2



Oven  
HA-OV-2



Developing Cabinet  
HA-DC-2

# Peripheral Equipment

## Off-Line ID/Bar Code Checker

- Ident Code checking for 80mm/120mm CD/DVD and CD Card.
- Speed: Max. 100pcs per minute.
- Performs optical character verification(OCV), bar code reading, Show & Go, or any combination of these methods.
- Inspection speed: 0.45 second.
- Mechanical rotary index infeed and discharge ( 6 spindles each, 12 spindles total )
- Display on the panel monitoring functions.
- Numbering control for each spindle on discharge.
- Numbering display for printing quantity.
- Alarm for no CD in loading spindles.
- Alarm for full CD in discharge spindles.
- measurement: 85(L)x91(W)x176(H)cm.
- weight: 550kgs.



IDS-3

## Off-Line CD-R Sorting Machine

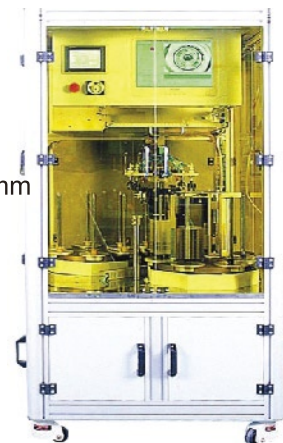
- CD-R quality grading to 4 levels (A, B, C & D).
- Cycle Time: 2.2 sec/pc.
- Power consumption: 3kw
- Air consumption: 200Liter/minute.
- Sorting standards-bubbles, black spots, bumps, pinholes, oil stains, lacquer splashes, metal scratches.
- The operator uses the measure, e.g. tilt for the adjustment of the molding press...etc.
- Measurement: 135(L)x125(W)x180(H)cm.
- Weight: 650kgs.



CDR-S4

## Off-Line Data Side Checker

- Accurate detection of Ink Drops, Stains, Scratches, Crack and other post print related defects on the data side of optical discs.
- Defects above 0.5mm<sup>2</sup>, detected as standard defects below 0.5mm<sup>2</sup> ; depending on the brightness/color deviations between the reference image and the inspected disc, the smallest detectable defect being 0.015mm
- Inspection speed: up to 100ppm
- Mechanical rotary index infeed and discharge
- Display on the panel monitoring functions.
- Power: 380/415V, 50/60Hz, 3P, 10 Amp
- Measurement: 110 (L) x 90 (W) x 180 (H)cm.
- Weight: 650kgs



SC-100

## Disc Counter

- Suitable for all 120mm CD/CD-R/CD-RW/DVD discs.
- Build-in advanced self-adapting algorithm.
- Max. counter time- less than 2s per spindle.
- Max. counts per spindle: <= 180 discs.
- Compact and Easy to operate.
- Two Running Modes: Service and Operating mode.
- Measurement: 30(L)x 25(W) x50(H)cm.
- Weight: 15kgs



HDC-100



# Consumables

Available for different sizes and specification



Plate cabinet



Waterless plate cover

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