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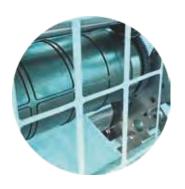
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ROTARY | FLATBED

LASER | INTEGRATED

CUTTING MACHINES

PRINTING | PACKAGING
INSPECTION | CUSTOMIZED
SPECIALTY MACHINES



YOUR
ONE-STOP
CONVERTING
SOLUTIONS
PROVIDER

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ABOUT US

Established in 2004, HOACO has ever since grown to a leading global player in the fields of precision die cutting, web converting, printing and packaging solutions provider, serving manufacturing customers with excellence in diverse vertical industries - electronics, labels & printing, automobile, medical & cosmetics, and clean energy, etc.

Our flagship multi-stations RDC (Rotary Die Cutting) machines offer industry-leading speed, precision, and up to 32 RDC stations in a single machine. Leveraging deep expertise in RDC technology, we also developed fully integrated RDC + Flatbed cutting, Laser cutting, Pick-n-Place, Printing and packaging machines to enhance our competencies and provide customers with optimized solutions.

On top of automation machinery, HOACO also offers rotary dies and magnetic cylinders fabricated by our own tooling factory, precision parts and accessories, tapes and materials, process design and prototyping service - a genuine one-stop solutions provider for all your converting needs.

Today, HOACO is the unrivaled top supplier of RDC machines domestically in China, with international customers in 30+ countries. By merging innovative technologies and 15+ years of web converting experience, we are committed to responding to each industry's unique needs and perfecting our solutions to address customer-specific challenges. This is why the biggest names in the converting industry trust our machines with a history of proven precision, performance, reliability and safety. We strive to deliver the highest quality converting systems and services our customers want at the best value.

VISION

To empower our customers to convert the unimaginable, precisely

MISSION

To make machine cutting more intelligent and deliver innovative web converting solutions that solve our customers' most demanding challenges.







& HONORS

CERTIFICATIONS











ISO 9001

Calc Controls | Textpol at Africa Controls | Textpol and Calc | Textpo HOVCO



European Trademark



HISTORY OF INNOVATION AND GROWTH

2004

Developed first RDC machine, Company Founded



2016

Invented satellite-type RDC machine with ultra-high precision up to ±0.05mm CCD vision system



2008

Machine re-design with movable RDC stations - an industry first



2017

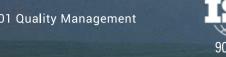
2018

Integrated RDC + Rotary screen printing Integrated RDC + Flat screen printing Integrated RDC + Flexographic printing Heat-seal pouching machine



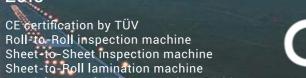
2009

ISO9001 Quality Management



2010

Invented industry-first thermal graphite manufacturing process on an RDC machine





2011

Invented ground-breaking RDC process for screen frame adhesives, achieving more than 80% material saving



2019

Integrated RDC + Rick-n-Place machine Integrated RDC + Laser cutting machine Integrated RDC + Flatbed cutting machine

HOACO Korea office in South Korea

Specialty RFID labels converting machine



2012

Sales milestone of 1000 RDC stations. Company HQ relocated to Weifang



2020

Specialty machine for

- Medical hydrogel consumable
- Medical blood test cartridge
- Hydrogen fuel cell MEA
- Lithium-ion battery covers



2014

Flatbed die cutting machine Lamination and Sheeting machines

New offices and rotary dies factory in Kunshan and Shenzhen



2022

HOACO Europe office in Barcelona, Spain HOACO Americas office in Houston, Texas



2015

First overseas office established in Singapore



PRODUCTS & SERVICES



To empower our customers to convert the unimaginable, precisely

YOUR ONE-STOP **CONVERTING SOLUTION** PROVIDER AND PARTNER

ROTARY DIE CUTTING MACHINES

HOACO ROTARY DIE CUTTING (RDC) MACHINES

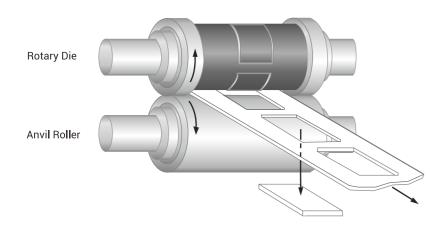
HOACO RDC MACHINE BENEFIT





WHAT IS ROTARY DIE CUTTING?

Rotary Die Cutting (RDC) operates by utilizing cylindrical dies that cut against a hardened anvil roller. Servomotors allow for precise cutting control and registration of parts. Input materials fed from unwind shafts are die cut and rewinded or supplied as intermediary parts to the next process step. RDC machines can work with a wide range of materials including plastic, rubber, paper, fabric, felt, thin metal foil, etc.





Model (W250mm)	3-Stations	5-Stations	7-Stations	8-Stations	10-Stations	13-Stations	16-Stations	20-Stations	32-Stations
Air Shafts	5	10	14	16	20	26	32	40	64
Weight (Tons)	1.5	3	3.5	4	5	6.5	8	10	15
Rated Power (kW)	9	15	21	24	30	39	48	60	96
Length (mm)	2100	3000	3500	4100	5200	6000	7000	8200	10800
Width & Height (mm)				,	W1700 x H2500				
Power Supply				;	3-Phase 380-400V				

Optional Functions & Parts									
Data Saving	X	•	•	•	•	•	•	•	•
Dual Systems	X	X	X	X	•	•	•	•	•
HMI Language - English	•	•	•	•	•	•	•	•	•
Asynchronous Mode	X	•	•	•	•	•	•	•	•
Web Guide	X	•	•	•	•	•	•	•	•
Web Width up to 650mm	0	0	0	0	0	0	0	0	0
CCD Vision System	0	0	0	0	0	0	0	0	0
Safety Light Curtain	0	0	0	0	0	0	0	0	0

	Quality C	omponents Across A ll Mode l s	
PLC Control Software	HOACO	Pneumatics	SMC, Japan
PLC Controller	Omron, Japan	Circuit Breaker	Schneider, Germany
RDC Station Servomotor	Omron, Japan	Motor Starter Protector	Siemens, Germany
Air Shaft Servomotor	Delta Electronics, Taiwan	Web Guide	TechMach / Bianfu
CCD Vision System	Delta Electronics, Taiwan	Mark Sensors	Panasonic / SICK / Keyence
Safety Light Curtain	Keyence, Japan	Touchscreen	Weinview, Taiwan

Legend:	•	Default	0	Optional	X	Not	Available
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Machine Performance & Capabilities			
Max Speed	60m/min		
Typical Precision	±0.15mm		
Tension Control	Automatic, 1-150N		
Cutter Gear Teeth	Z58-Z200		
Max Roll Diameter	600mm		
Web Width	250/350/450/550/650		

RDC MACHINE SERIES BY STATIONS & WIDTH

From 3 to 32 stations and W250mm to W650mm web width, we have all the proven models to meet your toughest challenges.



W250mm Series



13-Stations





10-Stations

7-Stations

W350/450/550/650mm Wide-Web Series



12-Stations W350



7-Stations W550



10-Stations W450



7-Stations W650

Satellite-Type RDC Machine (RDC-SC)

Ultra-high precision by mechanical synchronization



Key Features

- ▶ Satellite-type RDC stations leverage mechanical gears to cut narrow dimensions with ultra-high precision up to ±0.05mm.
- ▶ Master-slave die cutting alignment controlled by mechanical synchronization through a single sun gear (Z700) with multiple planetary gears, one for each satellite station.
- ▶ Primary stations can be directly used for cutting/lamination, while secondary stations can be expanded with supporting fixture tools.
- ▶ Unified machine frame integrated with standard RDC stations for stability and precision.
- ▶ Available in 11 or 13 satellite-stations models.



Specifications

Model	RDC-SC
Power Supply	3Phase 380-400V
Rated Power	45Kw
Sun gear teeth	Z700
Max Speed	60m/min
Max Web Width	250mm
Weight	6.5T
Dimension	L7100*W1700*H2600



INTEGRATED RDC + LASER CUTTING MACHINE (RDC-LC)

Hybrid Capabilities Light-Years Ahead



Key Features

- ▶ Hybrid capabilities offering the best of both worlds to meet your most demanding challenges
- ▶ Operates in continuous or step motion
- Continuous motion is most productive
- Step motion offers better precision up to ±0.06
- ▶ Vision registration for automatic cutting correction
- ▶ Through-cut or kiss-cut
- ▶ No dies cost, no tooling changeover downtime
- ▶ Flexibility in more complex cut geometries
- ► Cutom-built laser control software that works with lasers of different brands

COMPARISON	RDC	LASER
Speed	/	
Big Runs	/	
Flexible Slug Removal	/	
Less Upfront Cost	/	
Less Maintenance Cost		/
Tight Tolerance		/
Quick Turnaround		/
Thick or Narrow Cuts		/
Vast Material Types		/

Laser Specifications

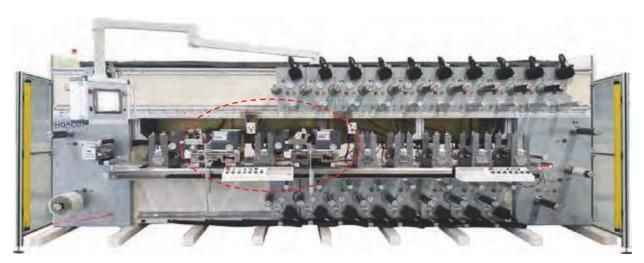
Laser Generator	150W/250W/350W/450W
Scanner	3D Pre-focusing
Mirror	30/50/70
Wavelength	10.2um or 9.3um
Spot Size	0.1 - 0.3mm
Working Field	Up to 400x400mm
Cooling	Water (18-22°C)
Input Voltage/Current	48VDC / 90A

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INTEGRATED RDC + ROTARY SCREEN PRINTING MACHINE (RDC-RSP)

For a Lasting Impression Cut Precisely







Key Features

- ▶ Integrated RDC + rotary screen printing machine that simplifies process steps and saves material
- ► High-speed continuous printing
- ➤ Movable printing units can be installed between any RDC stations to meet process requirement
- ► Multi-color prints are possible by installing additional printing units
- ▶ Optional corona treater for surface treatment
- ▶ Supports web width from 250mm to 1000mm
- ▶ Integrated control console

UV Ink and LED Cure Benefits

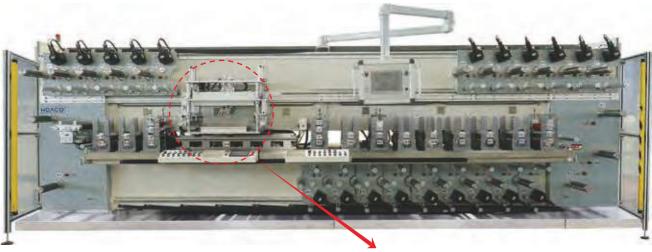
- ▶ Thin print film and low ink usage
- ▶ Instant curing and drying, eco-friendly
- ▶ Fine prints and scratch-resistant
- ► Cold-source LED UV light minimizes deformation of the underlying substrate
- ▶ Long service life, low power consumption
- ▶ Small form factor and easily customizable
- ▶ Automatic light intensity adjustment

Specifications

Model	L250	L350	L450	L550	L650
Printing Width (mm)	250	350	450	550	650
Min Cylinder Repeat		304	l.8mm (Z96))	
Max Cylinder Repeat		609	.6mm (Z192	2)	
Max Speed		1	50m/min		
Screen Mesh Count			75-400		
Ink Film Thickness	6-280um				



INTEGRATED RDC + FLAT SCREEN PRINTING MACHINE (RDC-FSP)

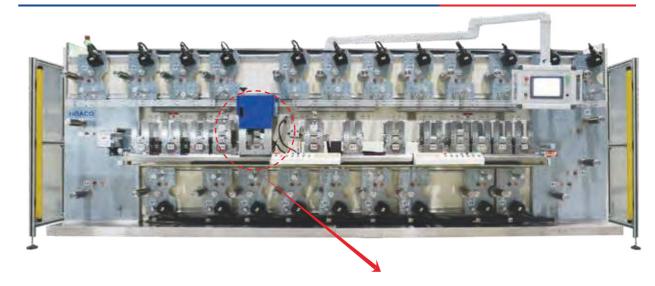


Key Features

- ► Continuous printing with flat screen moving in sync with the underlying substrate web
- ▶ Medium-speed throughput and precision
- ▶ Supports UV ink or Solvent ink
- ▶ Low cost of ownership and maintenance



INTEGRATED RDC + FLEXOGRAPHIC PRINTING MACHINE (RDC-FXP)



Key Features

- ➤ Continuous flexographic printing that integrates seamlessly with RDC stations
- ➤ Space-saving design the flexo unit can be installed on top of an existing standard RDC station
- ▶ Use UV ink with LED UV cure
- ▶ Lowest cost of ownership and maintenance



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INTEGRATED RDC + FLATBED DIE CUTTING MACHINE (RDC-FDC)



Key Features

- ▶ Offers the best of both Rotary Die Cutting and Flatbed Die Cutting in a single machine
- ▶ Operates in continuous or step mode
- ▶ Integrated machine control
- ▶ Flexible and easy slug removal

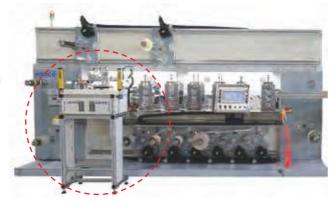
TOOLING & CUTTING	ROTARY	FLATBED
Material Thickness	Thin	Thick
Tooling Cost	High	Low
Turnaround Time	Weeks	Days
Kiss Cutting	Yes	Difficult

INTEGRATED RDC + PICK-N-PLACE MACHINE (RDC-PNP)



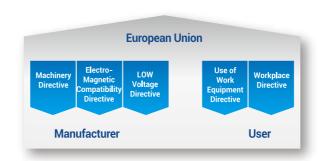
Key Features

- ▶ A pick-n-place robot works in sync with RDC stations to allow raw materials in sheets to be laminated and cut on RDC stations
- ▶ PNP robot type: Robotic arm, Cartesian or Delta with vision
- ▶ Incoming sheets are placed individually or in stacks with placeholders
- ▶ Operates in step mode only



CE-Certification by TÜV

Built-in Machine Safety for a Safe Work Environment





System of Standards for Machine Safety



BASIC

SAFETY STANDARDS

HOACO **RDC Machines**

Standard

RDC Model

Type A (Basic)

Applicable to all types of machinery

- Basic safety concepts
- General principles for design
- Principles of Risk assessment

Type B (Generic) Applicable to a wide range of machinery, subdivided into B1-Safeguards B2-Safety devices

Type C (Individual) Applicable to a particular type of machines

SAFETY STANDARDS

Safety+ RDC Model

Not Required





- Built with 100% CE-certified components
- More steps to operate but safety first
- Meets generic CE safety Standards

- Designed for functionality and price competitiveness
- More focus on ease-of-use and productivity
- Meets basic CE safety standards

FEATURES	SAFETY+ MODEL	STANDARD MODEL
CE Standards	Type B (Generic)	Type A (Basic)
Safety Controller	Standard + Safety PLC Controller	Standard PLC Controller
Servomotor	Safety Servomotors	Generic Servomotors
Safety Control	Independent safety control for each RDC station	Safety control follows 1st RDC station (cannot be disabled)
CE Certificate	Yes (by TÜV)	Yes (by UDEM)
Precision & Functions	Same	

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RFID LABELS CONVERTING MACHINE

Purpose-Built RFID Labels Converting Machine



Key Features

- ▶ Purpose-built RFID lamination and converting machine for cost-effective RFID labels production
- ▶ Inline hotmelt adhesive coating
- ▶ Vacuum-based inlay cut-n-transfer
- ► Mirror-folded antennas
- ➤ Speed: 60m/min
- ▶ Lamination/transfer precision: ±0.5mm
- ➤ Cutting precision: ±0.3mm



Hotmelt Adhesive Coating

Vacuum-Based Cut-n-Transfer

RFID Label Inspection Machine

Applications Check-in Luggage Tags



- ▶ 100% quality check
- ▶ Operates in continous or step mode
- ▶ Support all types of HF/UHF RFID readers
- ▶ Automatic machine stop upon detection of NG labels to allow manual replacement and re-test
- ➤ Cost-effective thermal printing for defective labels

Enhanced RDC Machine for RFID Labels Converting



Key Features

- ▶ Standard RDC machine with enhanced features and functionalities for flexible RFID lamination and converting
- ▶ Suitable for RFIDs of complex designs
- More than 3 layers
- Extra compensation layer with holes
- High precision
- · Labels with artworks / Pre-cut inlays
- ► High precision up to ±0.2mm
- ▶ Inline CCD vision system for visual inspection
- ▶ Inline RFID reader for functional inspection

Applications





Inline Inspection Reader



CCD Visual Inspection



Island Placement



Folded Antenna



NG Blackmarking



Large Roll Support (600mm)



SPECIALTY MACHINES FOR MEDICAL & COSMETICS

Multifunctional Medical Consumables Machine





Medical Wound Dressing + Pouching Machine





Medical I.V. Cannula Fixation Dressing + Pouching Machine

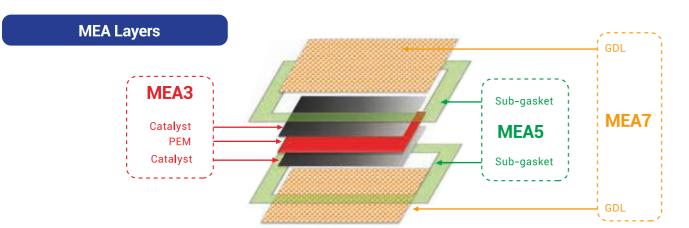


Medical ECG Electrode Flatbed Machine







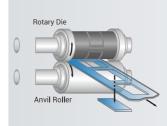


RotoMEA Automation Series





RotoMEA Advantage



Rotary Die Cutting

- Multiple-layers in a single pass
- High speed continuous cutting
- High precision
- Clean and smooth cut edges
- Easy slug removal
- High yield, material savings

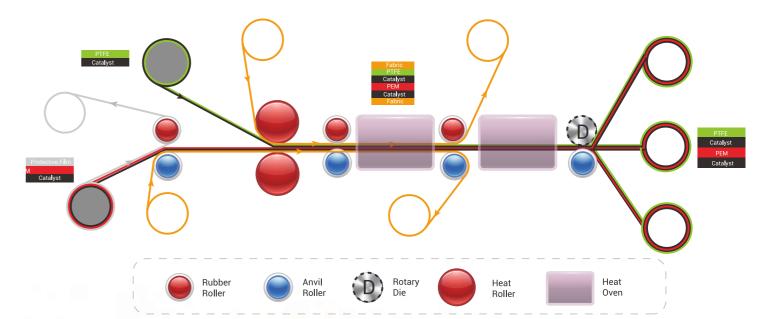
Rolling Lamination

- Naturally Bubble-free - Winkle-free
- Closed-loop tension control
- Heated lamination available

Converts two rolls of single-side-coated PTFE/PEM into a single roll of double-side-coated PEM (CCM) by heat-assisted decal transfer and lamination. Decal transfer temperature and duration can be accurately controlled to achieve optimal transfer result.

> Web width support up to 500mm

> Inline slitting for FG rolls





Specification

Model	RotoMEA3
Rated Power	43kW
Dimension	L4600*W2000*H2500
Speed	≤ 1m/min
Web Width	≤ 500mm
Catalyst Layer Width	≤ 400mm
Heat Roller Temperature	≤ 250±2°C
Heat Oven Temperature	≤ 200±2°C
Web Guide Precision	±0.5mm







RotoMEA5 (Subgasket Attachment)

RotoMEA7 attaches top and bottom GDL layers to produce the final MEA assembly in sheets. Heat rollers are used when necessary to trigger heat-activated adhesive on GDL and improve lamination result.

> FG in sheets

> Supports GDL with hotmelt or PSA adhesive.



> All incoming materials in rolls. > Superior sealing finish, no wrinkles/bubbles.













Specification

Model	RotoMEA5
Rated Power	63kW
Dimension	L7100*W1700*H2600
Speed	Up to 10m/min
Web Width	≤ 250mm
Heat Roller Temperature	≤ 250±2°C
Cutting Precision	±0.15mm
Gasket-to-Gasket Precision	±0.3mm
Gasket-to-CMM Precision	±0.4mm
Web Guide Precision	±0.5mm
Rotary Die Lifespan	2Mil Rotations





Specification

Model	RotoMEA7
Rated Power	55kW
Dimension	L7100*W1760*H2500
Speed	Up to 10m/min
Web Width	≤ 250mm
Heat Roller Pressure	1-20N
Heat Roller Temperature	≤ 250±2°C
Cutting Precision	±0.15mm
GDL-to-GDL Precision	±0.3mm
GDL-to-Gasket Precision	±0.4mm
Web Guide Precision	±0.5mm
Rotary Die Lifespan	2Mil Rotations











TestMEA (Visual MEA Inspection)

GDL Glue Dispensing Machine



Using high-resolution CCD cameras, TestMEA can inspect all critical dimensions of an MEA part, including defects such as undischarged holes waste, stains, foreign particles, bubbles, wrinkles, etc. Good MEAs travel to conveyor belt while defective parts will be automatically rejected into waste bins beneath.

With incoming GDL in rolls, the machine can dispense non-continuous glue droplets onto the GDL first, followed by inline sheeting to produce GDL with adhesive in sheets.



StackMEA (Stack Up MEAs for Packaging)



- > Number of parts in each stack is configurable.
- > Automatically handles MEAs of varying dimensions



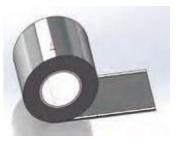


GDL Glue Coating Machine









LAMINATION / SHEETING MACHINES

Flatbed Die Cutting Machine (HXM)

Servo-Driven Precision





Key Features

- ▶ Servo-driven precision up to ±0.03mm
- ▶ Cleanroom-friendly
- ▶ Through-cut or kiss-cut
- ▶ Roll or sheet feeding
- ▶ Parts registration by sensor or camera
- ▶ Quick tooling change
- ▶ Low noise, gentle vibration







Specifications

MODEL	HXM-2	HXM-4
# of Support Post	2	4
Speed	300 times/min	200 times/min
Cutting Force	50kN (5 ton)	120kN (12 ton)
Platen Size	200 x 180mm	420 x 320mm
Ram Stroke	24mm	28mm
Standard Daylight	105mm	115mm
Feeding Precision	≤ 2% mm	≤ 2% mm
Dimension	L1200 x W910 x H1250mm	L1450 x W1500 x H1450mm
Weight	1.0 Ton	2.3 Tons
Power	3P5W 380-400V, 6KW	3P5W 380-400V, 11KW
Safety	Safety Curta	in, CE Certified
Compressed Air Pressure	0.55-0.65Mpa	
Operating Modes	S Jog Single Continuous Project	
Tool Acceptance Steel Rule, Male/Female Recip		rocating, Flexible "Chem-Etch"

Lamination Machine (HXF)





- ▶ Independent speed and tension control of stations and shafts
- ▶ Flexible waste discharge



MODEL	HXF-232	HXF-343
Laminating Stations	2	3
Unwind/Rewind Shafts	3 / 2	4/3
Speed	30m/r	nin
Web Width / Diameter	W300 / Ø350	
Dimension	L1610 x W920 x H1430	

Sheeting Machine (HXQ)



- ➤ Specialized equipment used for converting tape rolls
- ▶ Sheeting by registration or fixed length
- ▶ Automatic counting
- ▶ Automatic stacking



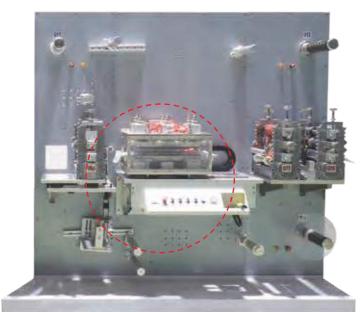
MODEL	HXQ-2	HXQ-4
Sheeting Speed	180 pcs/min	110 pcs/min
Precision (as % of set length)	0.4%	0.2%
Web Width	200mm	420mm
Weight	280kg	350kg
Dimension (LxWxH)	660 x 400 x 1300	1350 x 650 x 1500

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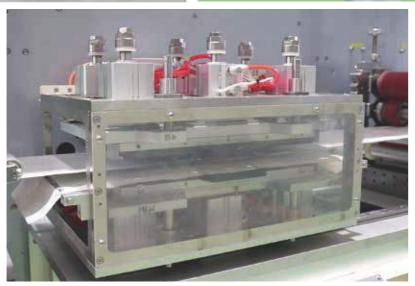
PACKAGING MACHINES

Reciprocating Heat-Seal Pouching Machine

Four-sided pouch seal by heated plate pressing, while web is continuously moving







Specifications

RDC Station	3
Air Shaft	2
Web Guide	Optional
Max Speed	20m/min
Temperature	30 - 180°C
Web Width	250 or 350mm
Dimension	L2100*W1120*H2000





Conveyor Belts





Integrated Dual-Belt Conveyor

Standalone Single-Belt







Standalone Dual-Belt Conveyor with Counting and Stacking Function

Stacking Machine

Receives FGs in sheet, stack and place into trays





Roll Inspection Machine

Standalone visual inspection of products in rolls - one air shaft for unwinding, and another for rewinding. Inspection type can be dimensional measurement, appearance check or defects detection.





Sheet Inspection Machine

Standalone visual inspection of products in sheet form. Inspection type can be dimensional measurement, appearance check or NG detection.









Pass/Fail Bin Holders









Coating Machine

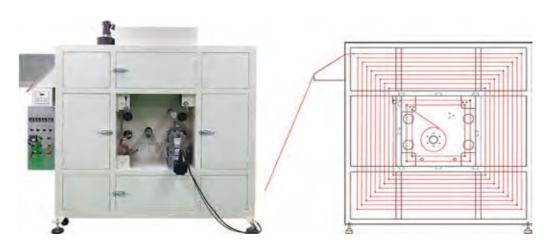
The machine leverages rotary screen printing technology to coat ink on the underlying substrate. Coating thickness and smoothness can be easily controlled by speed and screen mesh count.





Oven Drying Machine

This machine maintains a configurable temperature inside an insulated oven space to dry inks. Total film inside the oven can be winded up to 75m in length to allow sufficient drying time.



Applications

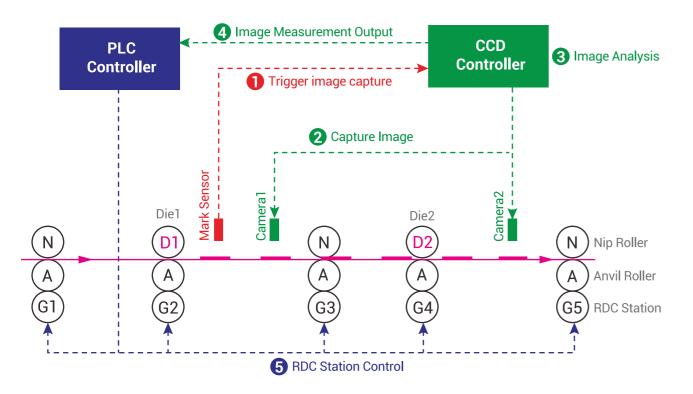


A NEW ERA OF HIGH-RESOLUTION VISUAL INSPECTION

CCD System Configuration



PLC-CCD Interconnect



CCD vision system is optional on HOACO RDC machines, but strongly recommended to achieve a higher degree of precision, automatic tuning and greatly improve yield.

CCD Vision System Benefits

- ▶ Automatic machine pause after continuously # of NGs
- ▶ Measure delta values of positioning cross marks cut by master and slave dies, so as to automatically tune the slave die to be in sync with the
- ▶ Triggering of blackmark printing for NG parts
- ▶ Recording of measurement data for offline analysis

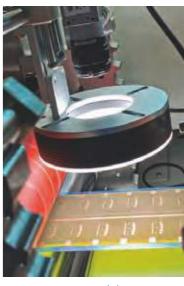


PLC-CCD Inter-Connect Settings





Cameras, Lens and Mounting Brackets

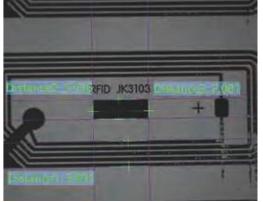


Top LED Light



Bottom LED Light





CCD Vision Software - Processing, Output & Analysis

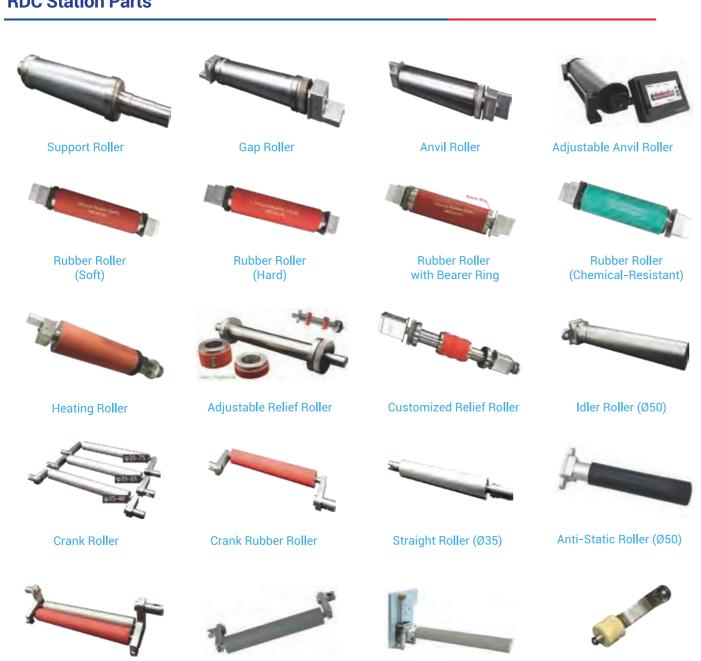
PARTS & TOOLS

The art is in the detail, and HOACO understands a quality machine starts with precision parts. Every machine part must pass stringent internal QC inspection before installation. Our RDC machines are built with mostly standard quality parts and accessories to deliver to our valued customers high-performance high-precision RDC machines at best value.

Most parts and accessories can be ordered separately as field-replaceable units. Let us know if you wish to order for replacement or as spares. Custom-made parts can also be designed and built upon request.

RDC Station Parts

Dual Lamination Roller



Floating Idler Roller

Lubricating Felt Roller

Non-Stick Crank Roller

YOUR TOOLKIT FOR SUCCESS



Adjustable Bearing Block

Pressure Block



Bearing Block



Pressure Spindle



Pressure Gauges





Gears



for Rubber Cylinders

Cleaning Roller for Incoming Tapes







Axis Flex Coupler



Roller Washer

Air Shaft Parts

Station Height Extension Block





Air Shaft Core Adapter

Roller Clamp



Manual Air Shaft

Lug-Type Core Adapter







Differential Air Shaft Sleeve Shaft







Ring-Type Core Adapter Roll Flange



Air Shaft Clamp



Air Gun



Pneumatic Connector

Electrical Parts



Color Mark Sensor



Thrubeam Sensor



Proximity Sensor



LED Light



CCD Controller



CCD Camera / LENS



CCD Top LED Light



CCD Bottom LED Light



Web Guide Controller



Edge Sensor



Line Sensor



Splicing Web Guide Top



Safety Light Curtain



Control Panel



ESD Eliminator



ESD Brush



Inkjet Printer



Corona Treater



Speed Encoder



Transformer



Omron PLC Controller



Omron Servomotor and Driver





Delta Servomotor and Driver



Circuit Breaker

Rotary Dies

Being a rotary die cutting machine supplier, we know better the importance of quality rotary dies than anybody else. HOACO has the full capabilities to design and fabricate all types of high precision rotary dies to better serve our customers with quality and quick turnaround time.



Solid Rotary Dies

The most commonly used rotary dies with outstanding hardness, precision, wear resistance and long life. Once blunt, the die can still be re-sharpened and reused up to 3 times.



Vacuum Dies

Made hollow inside the tool body, vacuum dies have through holes on the body to allow holes waste extracted out by vacuum, through a vacuum hose connected to the shaft.



Pin-Eject Dies

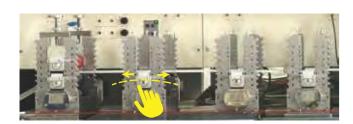
Cut with easy slug removal. Holes waste is pushed out by retractable pins and carried away by an underlying process tape. No air, no noise, just a clean finish.



Heat Dies

Some materials, such as fabric cloth and rubber, cuts better under elevated temperature. A heating cutter is specially designed to cut at high temperature for an optimal converting finish.

MECHANICAL ADVANTAGES ELECTRICAL ADVANTAGES



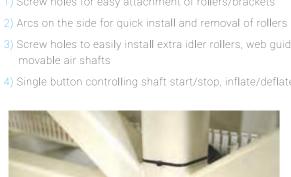
From 3 to 32 Movable RDC Stations

Probably the only RDC machine with movable stations in the converting industry, offering you the ultimate flexibility in process setup, and the possibility of installing additional subsystem in between stations. The choice and possibility are yours.



Flexible Process Setup

- 1) Screw holes for easy attachment of rollers/brackets
- 3) Screw holes to easily install extra idler rollers, web guides or movable air shafts
- 4) Single button controlling shaft start/stop, inflate/deflate

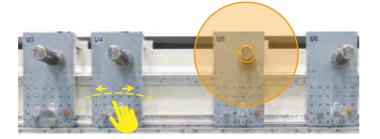






The Entire Machine on a Single Base Frame of PWHT (Post Weld Heat Treatment)

RDC stations are heavy but require precise mechanical construct to guarantee station-to-station mechanical precision. Over the long run, even the slightest deformation of the base frame will lead to unacceptable loss of cutting precision. Hence our HOACO machines are always built on top of a single unified PWHT-treated (Post-Weld Heat Treatment) steel base frame to lay the machine's foundation for accuracy, durability and repeatability over extended heavy-duty use in the long run.



Movable Air Shaft with Large Roll Support

Other RDC machines offer either movable shafts or large roll support, but not both. On HOACO machines, you can enjoy the convenience of both features. Thanks to our innovative air shaft panel design with rear-attached motor yet still movable.





Sliding or Suspension-Arm HMI Console

Operating an RDC machine requires constant interaction with the machine's HMI console. Whether it is a sliding design for small machines or suspension-arm design for large machines, the console is always in your arm's reach to have you in control.



Easy-to-Use Touchscreen HMI Console

Configure all settings though intuitive touchscreen

- Main Home screen showing overall machines status
- Stations Start/Stop, CW/CCW, Speed Ratio, Sync/Async
- Shafts Start/Stop, Inflate/Deflate, CW/CCW, Alarm Diameter
- Function Async, Cut-to-Mark, Async Laminate, etc
- Others Gears, Yield, Data Save/Retrieve

That is about 90% of what you need to learn to operate a HOACO RDC machine like a pro. Extra settings will be required only when optional systems are installed, such as CCD vision system.

Best-of-Breed Motion Control Software

- ▶ Proprietary machine control software embeds 18 years of RDC converting experience representing the best-in-class functionalities, performance, precision and process control
- ▶ Automatic station-to-station synchronization control
- ▶ Automatic air shaft tension control and material shortage alarm
- ▶ Simple vet powerful touchscreen-based HMI interface
- ▶ Remote access for remote troubleshooting and support
- ▶ Built-in safety control meeting CE standards

Dual Systems

Run a single machine like two machines

- ▶ Dual systems allow production of two different products, operated by two operators at the same time without interference. This improves machine utilization, saves customer investment and factory footprint.
- ▶ Only for 10+ stations machine

Premium Components, Top-Notch Finish, Quality Assured



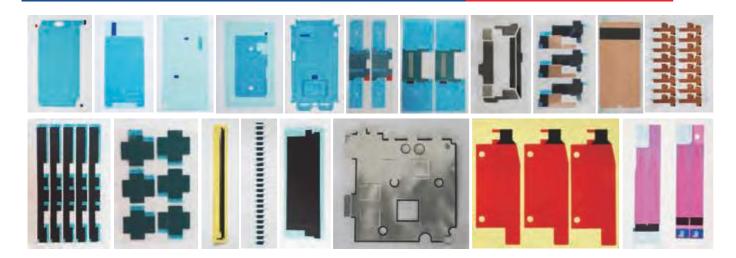
Applications



Label & RFID



Electronics





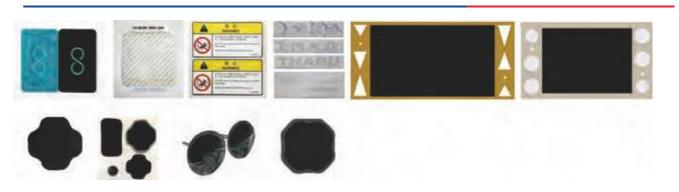


Medical & Cosmetics

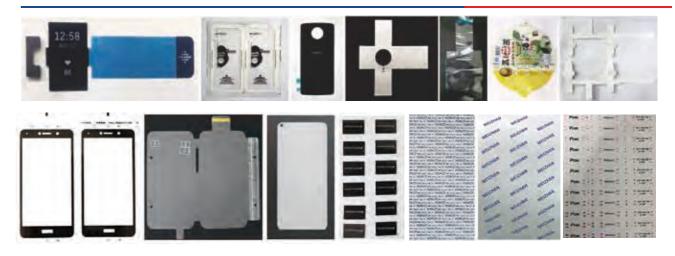




Automobile



Printing & Packaging



Clean Energy



Global Service Network



- HOACO Group of Companies
- Global Customers



