

[www.chaneyglobalservices.co.uk](http://www.chaneyglobalservices.co.uk)



# Welcome to CHANNEY Global Services Ltd.

Having many years of experience working within the metal packaging industry worldwide, CHANNEY Global Services Limited are well positioned to respond to your specific requirements for Equipment, Spare Parts, Consumables and Services within the different sectors of the metal packaging industry.

Our portfolio of specific products and services are as listed below. Should your requirements not be included within our product offerings within this brochure , please still contact us we may still be able to assist you.

## Contents

Coil Cutting Lines .....	3
Printing Machines .....	4
Coating Machines .....	5
Drying Ovens .....	6
UV Ovens .....	7
Conventional to UV Conversions .....	8
Ink Duct Conversions.....	9
DELTA Damping Conversions .....	10
Blade Grinding Machine.....	11
Misprint Sheet Cleaning Machine .....	11
Printing and Coating Spares .....	12
Oven Spares/Upgrades.....	13
Conventional & UV Printing Blankets .....	14
Service and Consultation .....	15

# Coil Cutting Lines

We are the official Agents for Shanghai Keenson Electromechanical Coil Cutting Lines.

Keenson have installed many new lines in Asia, Middle East and Europe as well as having the ability to upgrade other manufacturers coil lines to the latest Servo Drive controls.

Specially designed cut-to-length line for economical, high quality, continuous production. Low initial cost of equipment, which results in quick return on investment. Interchangeability of die sets and capability for straight cut or scroll cut.

Easy operation and maintenance.

CE marked.

**Scope of supply for a typical line would comprise the following items:**

- Coil Downender (Loading Capacity 10 tons)
- Coil Loading Car
- Decoiler with End Support (Loading Capacity 10 tons)
- Hydraulic System
- Inspection Mirror or Pinhole Detector
- Straightening Machine (15 rollers)
- Loop
- Servo-drive Feeding & Material Guide System
- Shear Machine with Air Floating Device for Die Change
- Sheet Conveyor System
- Sheet Stacking System, multiple boxes are available
- Electric Operation Panel
- Main Control Cabinet with Aircon

**Optional equipment can include:**

- Scroll and Straight Dies
- Die Handling Cart
- Motorised Inspection Gauge Table



# Printing Machines

We are the Official Agent for Jiangsu Huayu Printing & Coating Equipment.

Our model HYP45B printing press is available in 1-4 colours, conventional or UV formats.

The machine is capable of producing high quality solid and half tone work at speeds up to 5,000 SPH and it comprises of the following:

Sheet feeder with manual connection to 1st printing unit

Each press unit has level infeeds with double pusher and sidelay arrangement, no tools are required for sheet setting change

Sheet thickness adjustment is by manual handwheel from the operator side of the machine with LED display

Synchronisation between press units is via separate independent drives

DELTA Alcohol Damping System

Quick Release Plate and Blanket Cylinders

Semi Automatic Inker Washup

Touch Screen Controls for equipment operation and troubleshooting

PLC Controls

CE Marking.





# Coating Machines

The C45 Coating machine is available in either Free standing or In-Line models.

The coater is a front registration type.

The sheet feeder is equipped with a 2 sheet detector and optional dust removal rollers. Forwarding arrestor dogs slow the sheet down onto the single central pusher which then pushes the sheet forward into the gripper drum.

Side registration is via a 2 point fixed datum.

Coating material is applied by a conventional 3 roller head unit with independent servo speed control, alternative Anilox systems can be installed as an option.

The Scraping System utilises a Chilled Cast Iron roller for hard working life as well as a Double Doctor Scraping Blade System.





# Drying Oven

Huayu are the largest oven manufacturer in China and during the last 20 years have significantly increased their International presence.

The ovens are available in lengths from 18 to 39m in 1" wicket pitch spacing, standard features include:

Chrome plated wickets

PLC control

Electronic synchronising to printing press or coater European burner technology

Single box stacker

Oven panels down to the floor

CE marking for use within Europe

Several options are available to suit customer requirements:

Dynamic braking at oven entrance

Wicket washing equipment

Double box stacking units with E magnetic or vacuum braking

Pile turning device either in line or off line

Reference list available on request.



# Incineration Systems

Individual for each oven or RTO for connecting multiple lines into one external incinerator



# UV Ovens

Working with our partners in Europe and Asia our UV systems have been installed all over the world to the following Metal Decorating Equipment:

Crabtree  
Mailaender  
Fuji Primex  
Metalstar I and II  
SPRINT  
Planeta

Systems can be supplied in Interdeck and Setstack formats, Air or Water/Air cooled with various lamp power w/cm to suit different speed applications on new equipment or we can supply full systems to convert existing Conventional Lines in your factory.





# Conventional to UV Conversion

We are available to sit down with customers to plan for UV conversions, whether it be for simple 1 or 2 colour machines or joining two 2 colour machines together so that 4 colour process can be achieved.

## Conversion supply can include:

- UV System, Interdeck and Setstack
- Interdeck extensions where applicable
- Alcohol Damping Systems
- Copper Ink Drums
- Ink Agitators
- Sheet inspection / waste sheet rejection units
- Sheet Stackers
- UV Consumables
- Plate Baking Ovens
- Line removal and repositioning
- Commissioning and UV process training.





# Ink Duct Conversions

The majority of standard ink ducts come with a solid one piece blade with no guide on the setting key, side cheeks that leak and when keys are adjusted they also affect the setting of the neighbouring keys.

**Servo control ducts are not so cost effective for 1-2 colour machines, the solution is an Ink Duct system that:**

Has a segmented ink blade so that neighbouring keys are not affected during adjustment

Each Ink key has a DIGIT numbering unit fitted so that a manual record of the actual duct opening can be recorded on a job card for future repeatability

Side cheeks are spring loaded and form a seal around the duct roller, not down the side and can be removed without any tools to enable quick and easy duct cleaning

The conversion can be made to all Crabtree models of press and for other press manufacturers on request

Reference list available on request.



# DELTA Damping Conversions



The unique Delta design utilizes helical gears and positive roller settings to drive the dampening form roller at a slower surface speed than the plate cylinder. The differential motion, called the “Delta Effect” wipes away the foreign particles that cause hickeys, while continuously allowing a fresh charge of ink to the plate.

## Features

Delta Dampening System retrofits are available for virtually every major press model

Form roller operates at a lower surface speed than that of the plate

Dampening form roller is separate from the inking system, allowing for the retention of all ink form rollers

Separate variable-speed drive motor and water control adjustments

Thin film of precisely metered dampening solution is applied as required across the plate

Exclusive Epic air-activated oscillating bridge roller reduces ghosting  
Instantaneous control of ink/water balance

## Benefits

- Guaranteed hickey-free printing - eliminates downtime, metal waste and sorting time
- Smoother, denser solids
- Sharper halftones with less dot gain
- Cleaner, sharper reverses
- Sharper, dryer print
- Tighter screens without plugging
- Excellent colour control and consistency
- Faster make-readies
- Increased operator safety
- Overall cost savings – reduced waste and ink usage, improved press efficiencies - Rapid return on investment





# Blade Grinding Machine

The grinder is available in two versions: with a working length of either 1000mm or 1230mm.

## Technical Features

Cast Iron Tank

Grinding Motor 1.5 kW (2 HP) – 2800 RPM

Manual and automatic grinding wheel downfeed unit and automatic stop at preset height

Tilting head to grind hollow surfaces

Carriage guides covered with replaceable hardened and rectified lamina

90° knife-holding table rotation control

Coolant Pump

Chain Driven Carriage

Suitable for Crabtree, Mailaender, KBA and Fuji Coating Machines



# Misprint Sheet Cleaning Machine

Many customers around the world are cost effective in trying to save misprinted sheets by hand cleaning beside the printing line, however, this is often messy as cleaning cloths and solvent / kerosene are required and requires a dedicated space next to each line.

By using the misprint sheet cleaning machine, centrally located to the printing press area, wet sheets are hand fed onto the motorised conveyor at one end, the sheets first pass through a number of top and



bottom cleaning rollers before passing into the 2nd stage of rinsing and drying rollers so that a completely clean and dry sheet is discharged at the end.

The machine is capable of cleaning approximately 6-8 sheets per minute.

# Printing & Coating Spares

We can supply a full range of Crabtree Printing & Coating spare parts as well as Mailaender spares on request, including the following:

Printing Cylinders, New, Overhauled or Exchange basis

Coater Bottom Cylinders, Standard and Tungsten Carbide Coated

Gears

Cams

Pusher Conversions

Sidelays

Plate Clamp Conversions

Grippers

Inking Rollers, Copper and Rubber Ink Duct Rollers.





# Oven Spares and Upgrades

We can supply spare parts for all types of ovens, notably:

Wickets

Standard Chrome Plated

Tubular

I Beam

With anti marking rollers

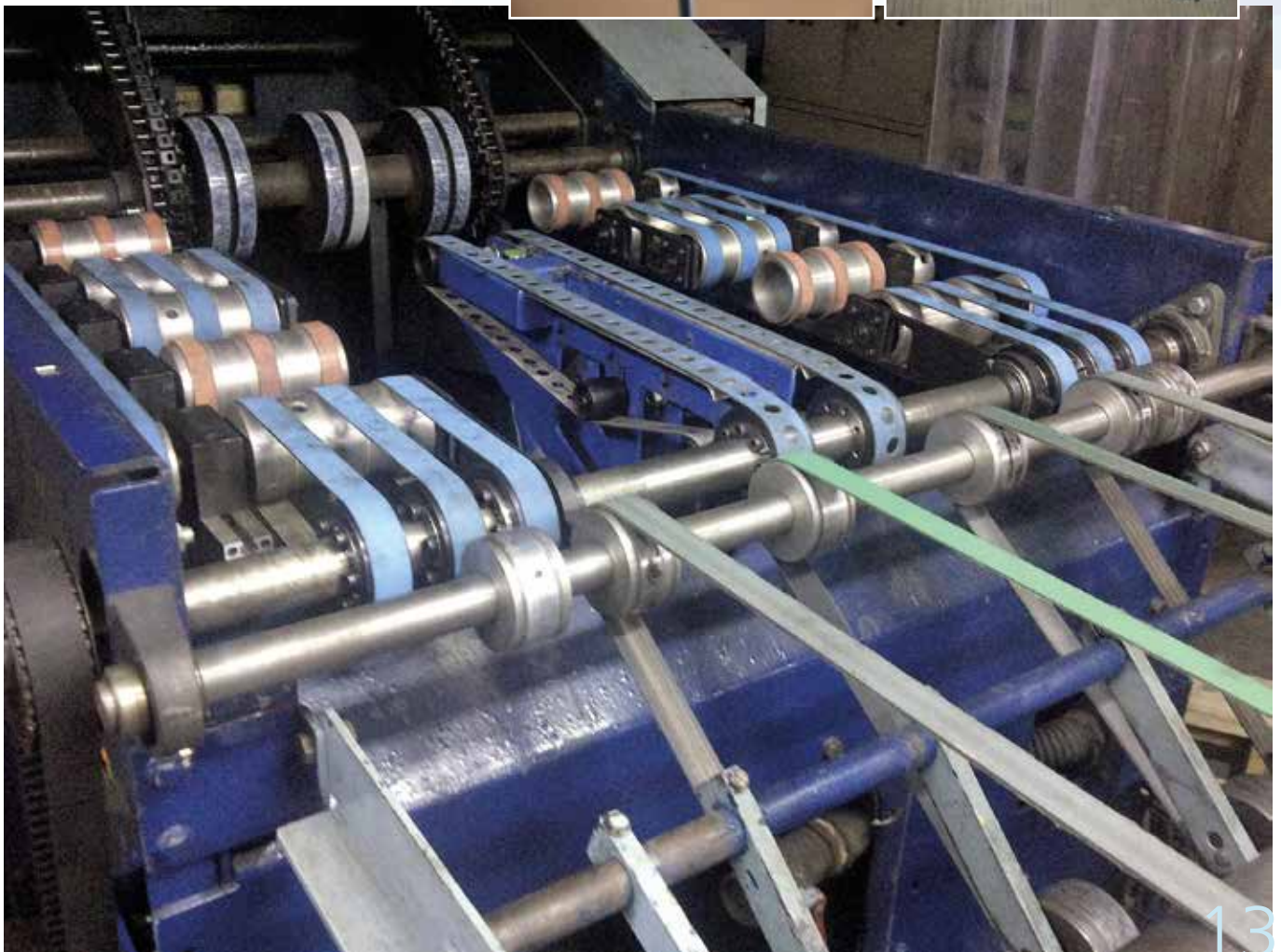
Oven Chains and Connecting Links

Outboard Rollers

Burners

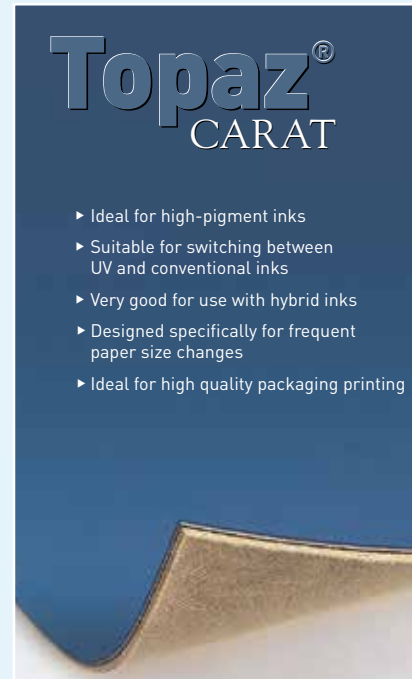
Electrical Spares

Dynamic Braking Upgrades.



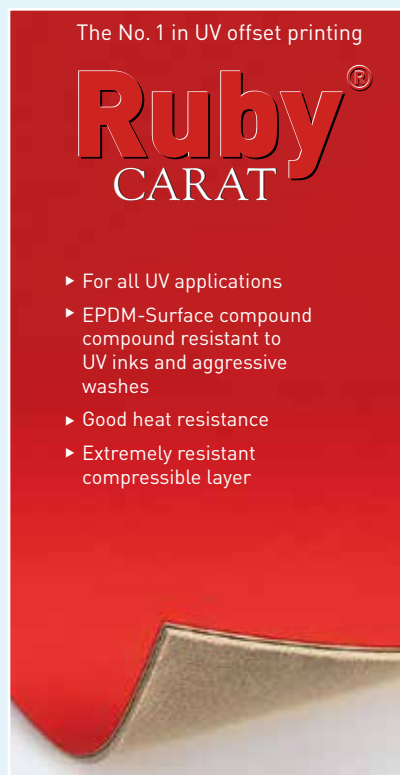
# Conventional Printing Blankets

We can supply the following high quality conventional printing blankets from Germany in either roll, sheet or quick release formats.



# UV Printing Blankets

We can supply the following high quality UV printing blankets from Germany in either roll, sheet or quick release formats.





# Service and Consultation

CHANEY Global Services' team are available to:-

Undertake audits of your existing Metal Decorating equipment to highlight specific areas that require attention whether it be colour uniformity, registration, speed related issues or general wear and tear

Give advice as to what machine upgrades and improvements can be made to your specific equipment

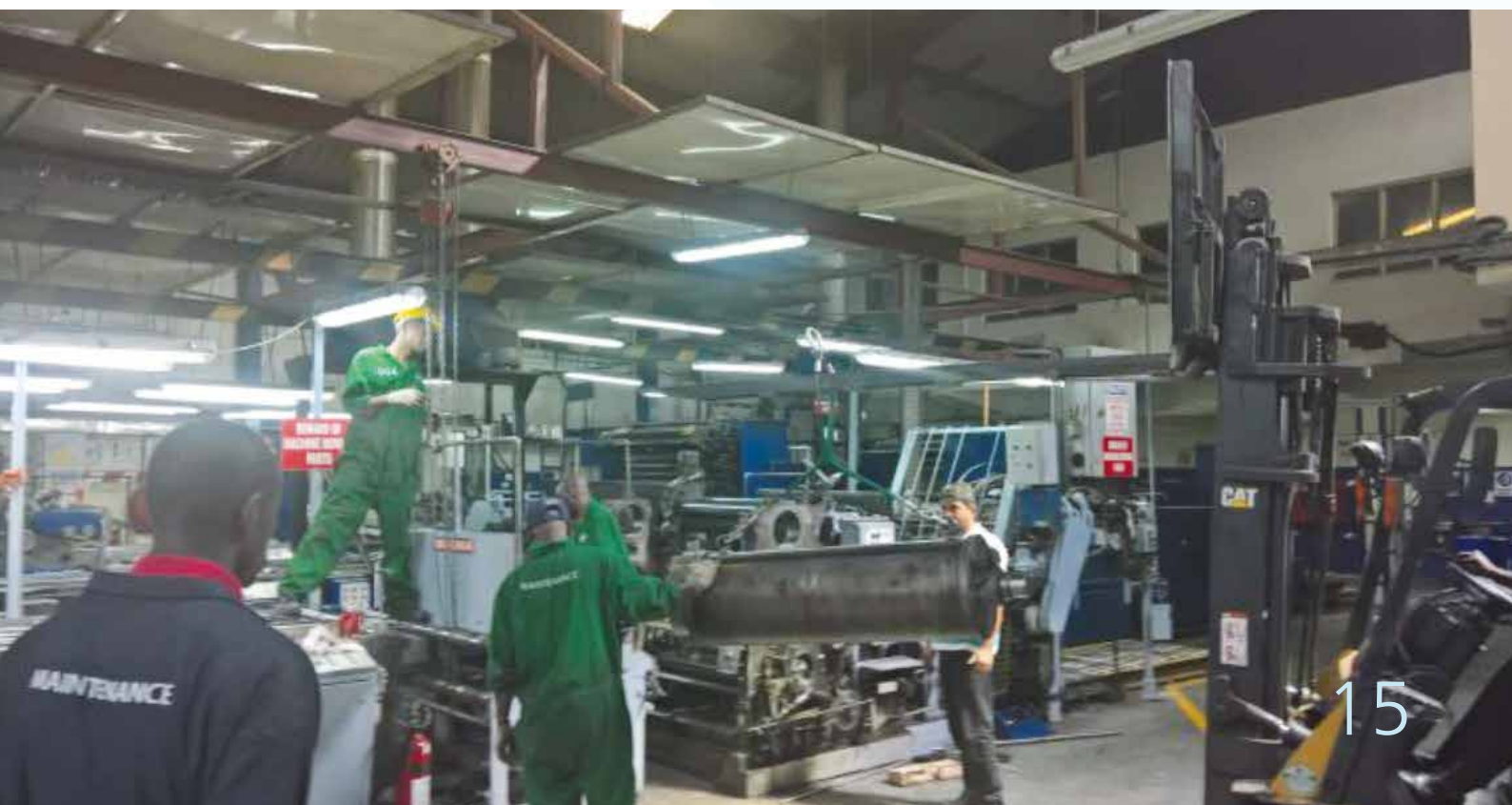
Install, move and relocate all types of Metal Decorating equipment mechanically and electrically

Fully convert existing equipment from Conventional to UV systems

Supply printer training, especially useful when converting from Conventional to UV system

Source and install suitable Metal Decorating equipment

Assist new and existing customers during the selection process for new equipment with an honest and frank evaluation of offered equipment specific to their production requirement and budget constraints.



**CHANEY Global Services Limited**

10 Acomb Court Bedlington, NE22 5QP, UK

Tel : +44 1670 826220

Mail: [info@chaneyglobalservices.co.uk](mailto:info@chaneyglobalservices.co.uk)

[www.chaneyglobalservices.co.uk](http://www.chaneyglobalservices.co.uk)