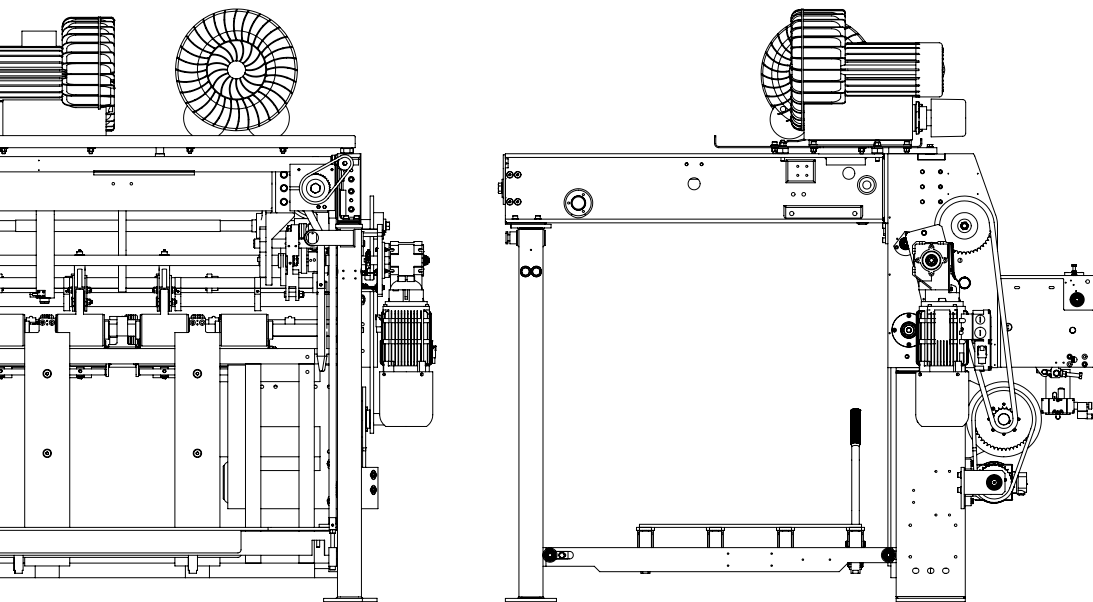


UNIFEEDER UPGRADES

ENGINEERED PRODUCT SOLUTIONS



Upgrades & Spares

Upgrades

Crabtree applies decades of expertise to help your business grow through innovative upgrades and tailored solutions.

As the OEM, we have a wide range of bespoke upgrade paths for all of our machinery designed to enhance your production capabilities.

We are always open to developing new solutions, with support from our Technical and R&D department, please contact us to discuss how we can support you.



Spares

We manufacture all of our precision OEM components from our expansive site in Gateshead, UK.

With over 30,000 specialist components in stock, we have quick turnaround for urgent spares, ensuring minimal downtime and uninterrupted operations.

- ~ OEM spare parts for all Crabtree products
- ~ Extensive stock for quick despatch
- ~ Full warranty on all parts



Service Maintenance Contract

Contract Levels

LEVEL 1 Online support

LEVEL 2 1 visits per year

LEVEL 3 2 visits per year



Included

- ~ Free online support for the duration of the contract. Including online fault finding via modem where applicable.
- ~ Training for operators and maintenance personnel.
- ~ Audit of Crabtree equipment to highlight essential areas of concern.
- ~ Set Machine back to factory settings.
- ~ Planned preventive maintenance.
- ~ Advice on printing procedures.

Service Support

Backed by a global network of highly experienced service engineers, we make sure all of our Crabtree equipment runs smoothly.

We provide the following:

- ~ Installation of new Crabtree equipment
- ~ Onsite support and repairs, available worldwide
- ~ Full mechanical and electrical surveys
- ~ Upgrades and refurbishment for print optimisation
- ~ Targeted training for operators and maintenance personnel
- ~ Remote support and diagnostics



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High Speed Feeder Conversion

Features

- ~ Sucker conversion with increased response time
- ~ New vacuum valve assembly with optimised timing
- ~ New Vacuum and blower pipework assembly
- ~ Increased creep speed hoist
- ~ Revised belt speeds to the conjugate cams
- ~ Wide belt sheet support to the press or coater
- ~ Slide carriage upgrade to a linear bearing type
- ~ Wide belts covering full sheet size range

Benefits

- ~ Faster sheet feed capability for press and coating lines
- ~ Increased reliability and durability
- ~ Improved sheet positioning consistency at higher speeds

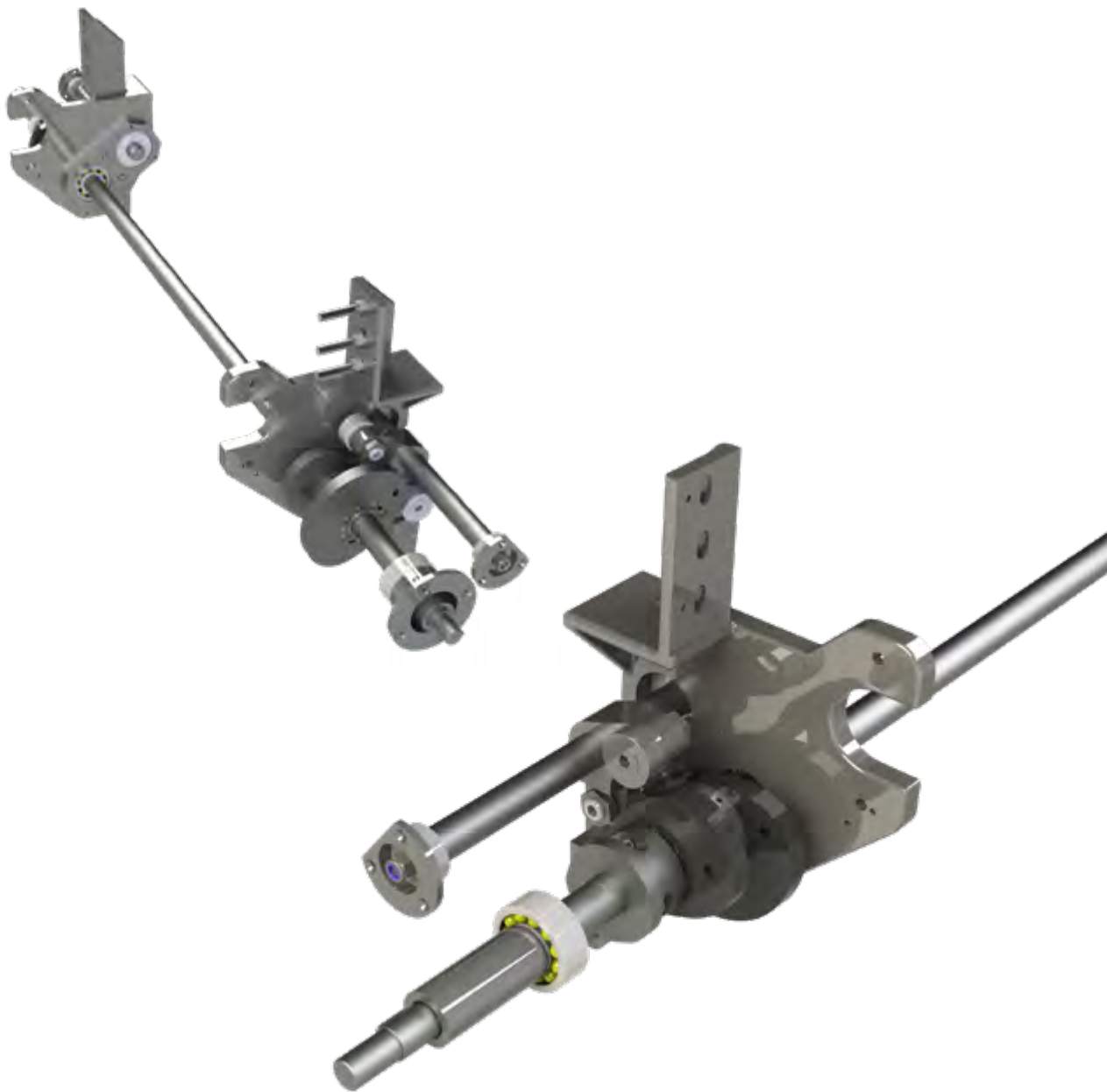


Features

- ~ Replaces torsion spring assembly and single cam arrangement
- ~ Cam followers always in positive drive mode
- ~ Robust and long-lasting design

Benefits

- ~ Improved sheet transfer from the stack to the feeder belts
- ~ Reliable and robust, eliminates bounce
- ~ Reduced cyclic drive loads



Vacuum/Blower Pump Upgrade

Features

- ~ Smaller pumps
- ~ Non-contacting internal blades
- ~ Separate pumps for vacuum and sheet separation
- ~ Mounted on top of feeder or floor

Benefits

- ~ Lower maintenance
- ~ Increased energy efficiency
- ~ Improved sheet transfer from the stack to the feeder belts

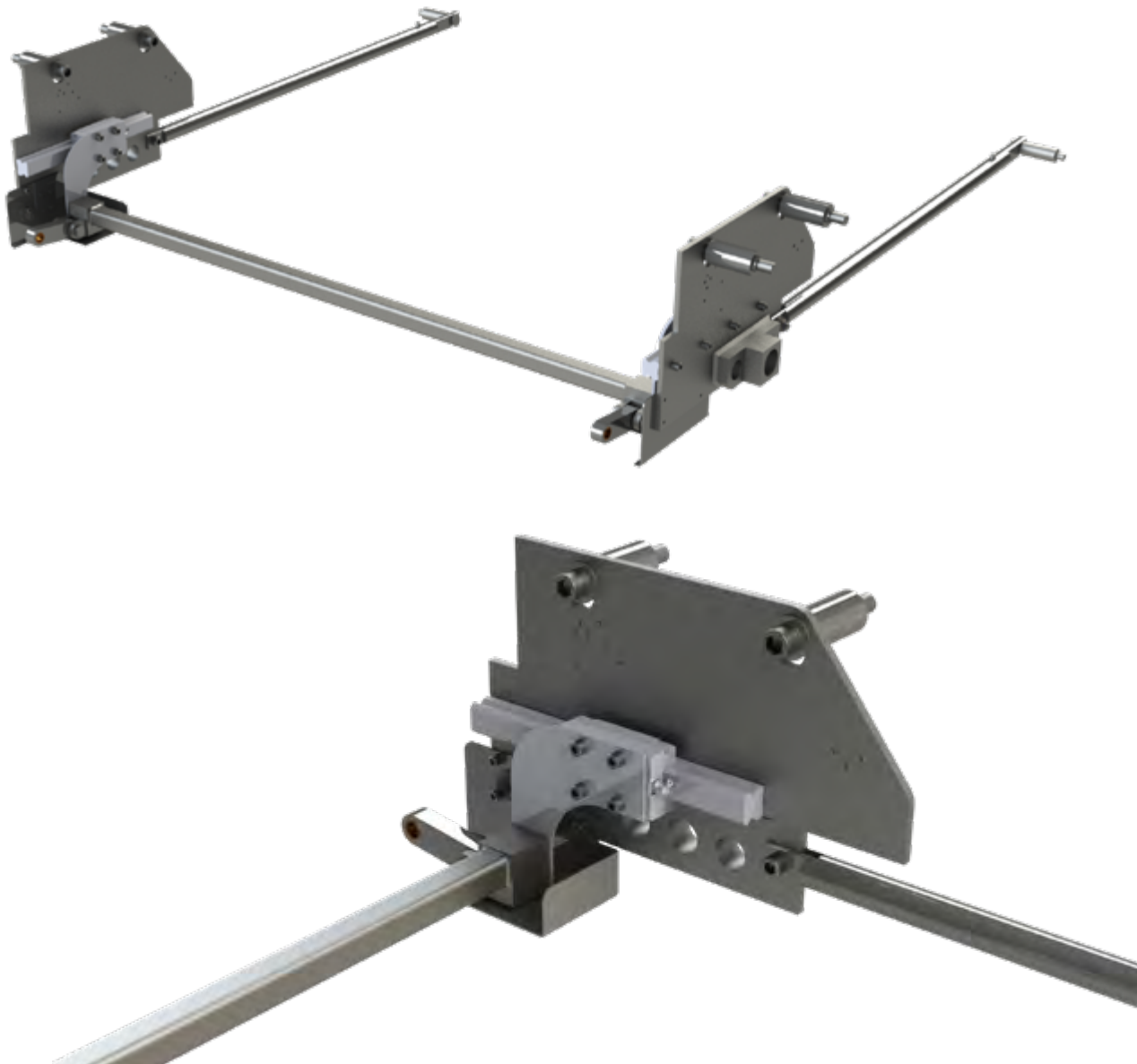


Features

- ~ Recirculating ball slide carriage
- ~ Precision guide rails
- ~ Replaces original Hepco Motion slides

Benefits

- ~ Improved reliability and accuracy
- ~ Increased durability
- ~ No setting required
- ~ Improved sheet transfer from the stack to the feeder belts



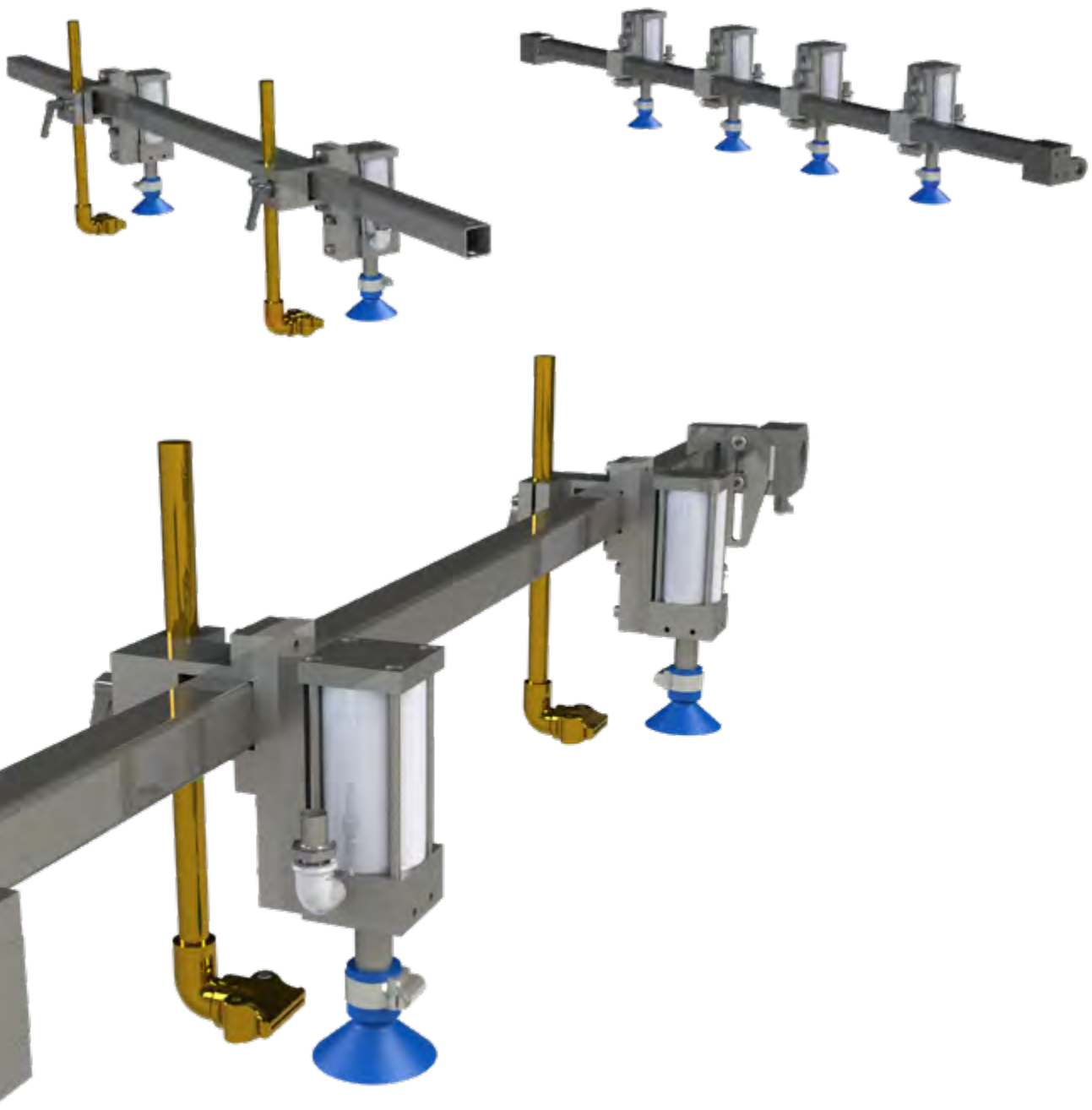
Sucker Conversion

Features

- ~ Conversion to 50 mm stroke sucker cylinders
- ~ Adjustable for sheet width

Benefits

- ~ Increased response time, faster sheet feeding
- ~ Reliable operation



Features

- ~ Main hoist motor for rapid lift of stillage
- ~ Separate motor for incremental lift during production

Benefits

- ~ Precise pile height control and creep function while feeding
- ~ Smooth transfer of sheets to infeed
- ~ Reduced number of crash-ups
- ~ Reduced step height of the pile allows precise feeding of the sheets at higher speeds



Double Sheet Detector

Features

- ~ Automatic calibration on first two sheets
- ~ Double sheets automatically rejected

Benefits

- ~ Reduced wastage
- ~ Fewer crash-ups
- ~ Print cylinders protected against damage from multiple sheets

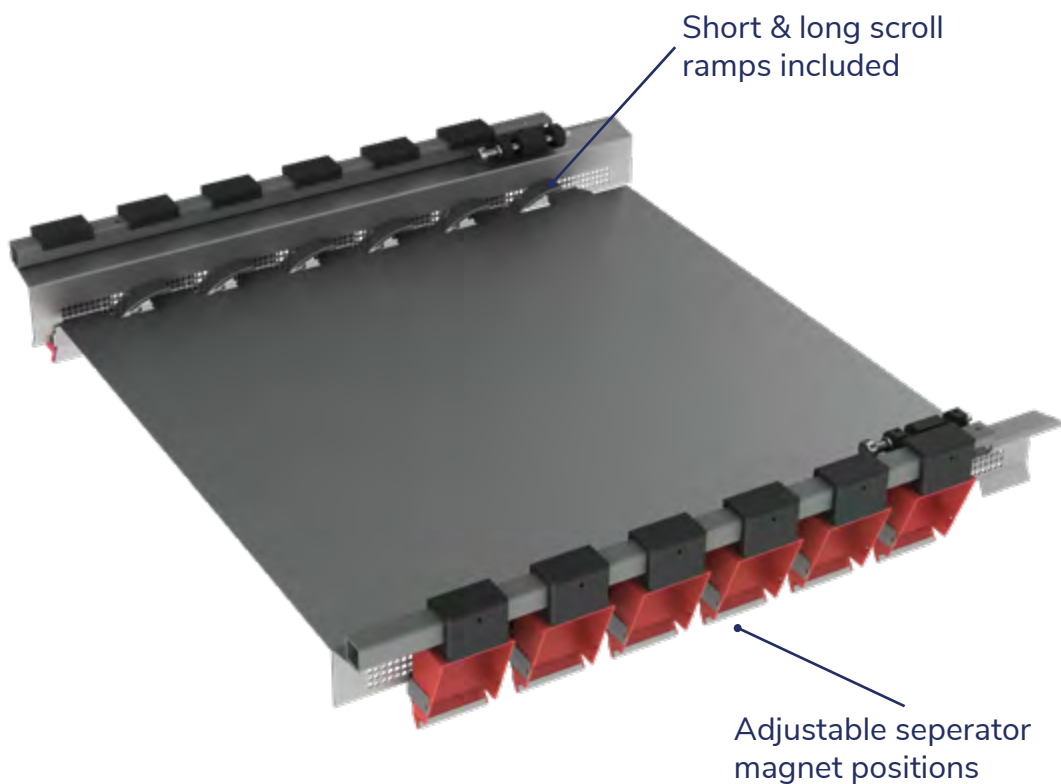


Features

- ~ Retrofittable sideguides perforated sideguide plates
- ~ Adjustable ramps to separate the scroll patterns
- ~ Both large and small ramps supplied to suit varying scroll patterns
- ~ Adjustable magnetic separators and air blowers

Benefits

- ~ Essential upgrade for running scroll sheets
- ~ Handles difficult scroll patterns
- ~ Full adjustability of sheet separating mechanisms



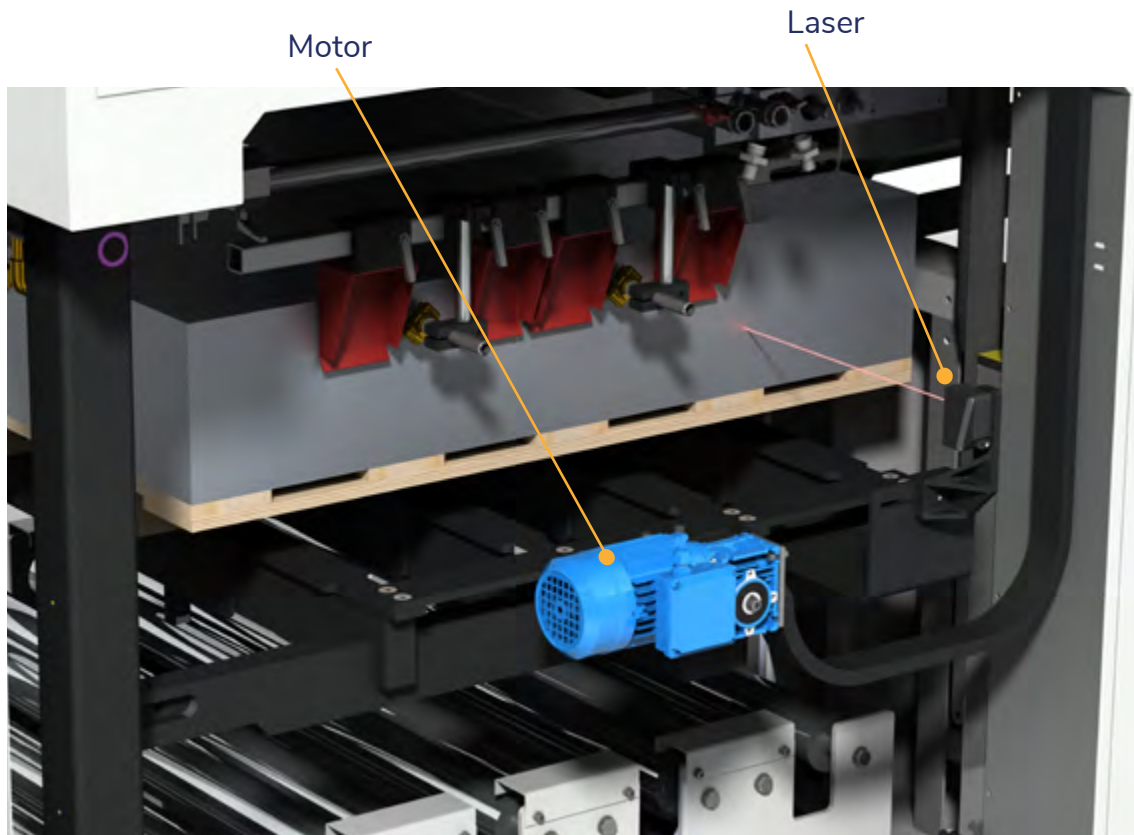
Automatic Pile Centralising

Features

- ~ Automated pile centralising mechanism
- ~ Independent motor on the stillage
- ~ Adjustable laser position to suit different scroll patterns
- ~ Separate touch screen HMI
- ~ Also available with CNC sideguide upgrade and a servo motor, allowing 'on-the-run' adjustment.

Benefits

- ~ Zero manual interaction
- ~ Reliably sets the stillage exactly central to the infeed
- ~ Saves on setup time
- ~ Reduces sheet crash-ups



Features

- ~ Aluminium extrusion construction
- ~ Hardwearing polycarbonate screens
- ~ Gas spring assisted lifting
- ~ Sliding door mechanism

Benefits

- ~ Ergonomic and very lightweight construction
- ~ Allows full access to the infeed underneath
- ~ Easier to remove sheets
- ~ Replaces the previous heavy sheet metal tray
- ~ Interlocked safety switches to prevent reject when open



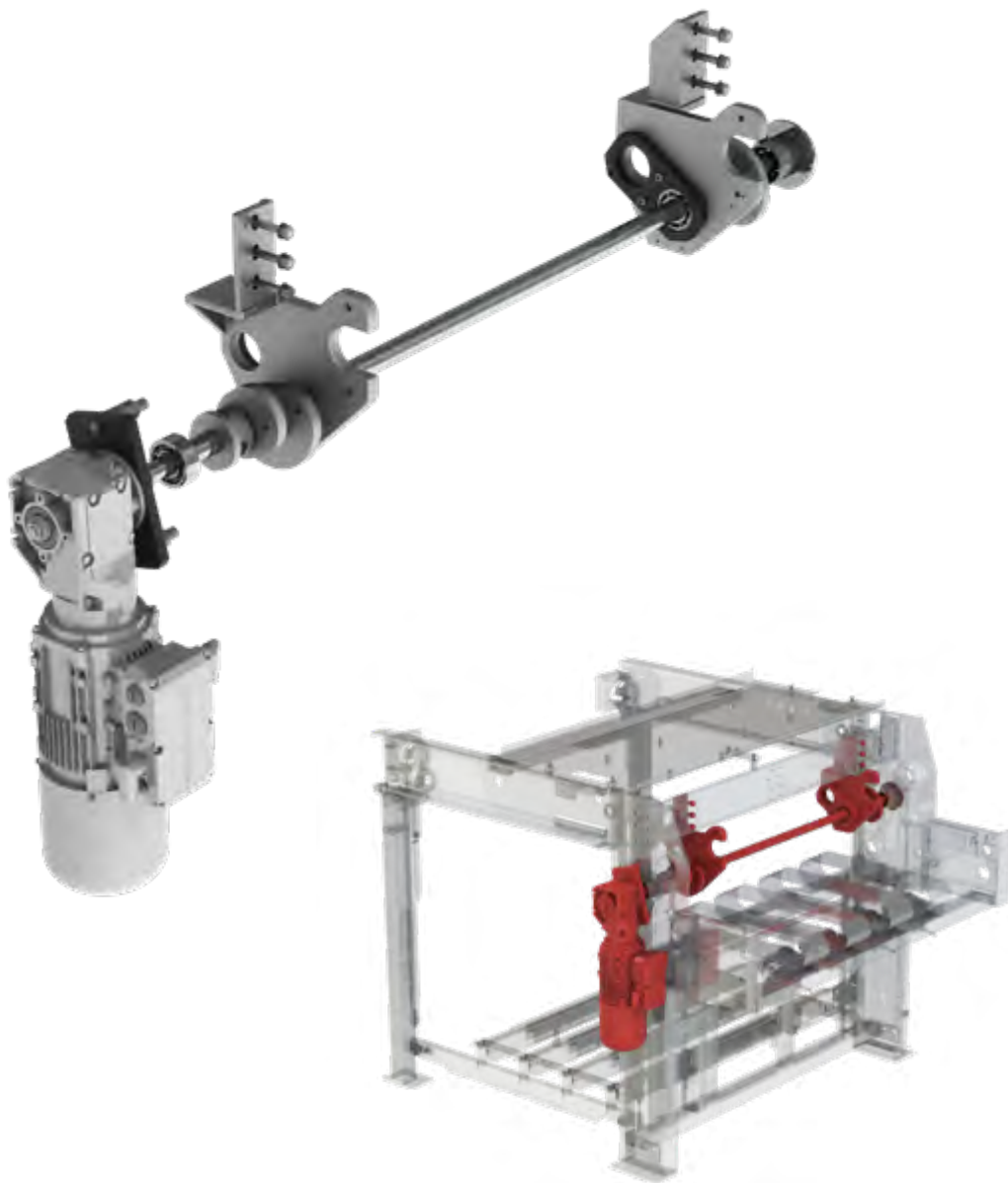
Independent Camshaft Motor

Features

- ~ Independently driven motorised camshaft
- ~ Direct servo drive

Benefits

- ~ Removes mechanical linkage to the press or coating line, including obsolete gearbox's
- ~ Maintenance free design, no gears, sprockets or timing belts.



Features

- ~ Motorised conveyor rolls
- ~ Allows space for over two still ages of tinplate
- ~ Simple two-button operation

Benefits

- ~ Allows quick changeover of stillage's
- ~ Separate control system for easy installation
- ~ Reliably squares tinplate to the feeder
- ~ Robust and long lasting design



Side-Loading Conveyor Rolls

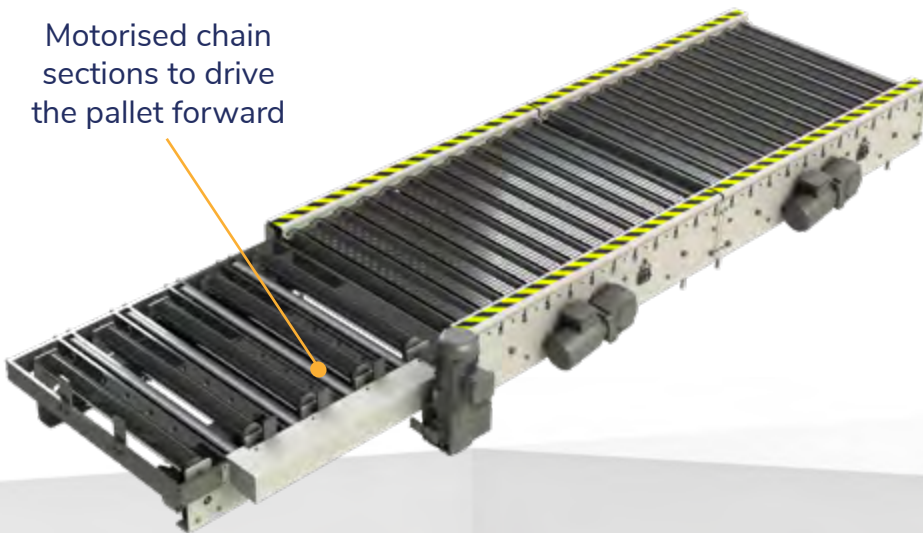
Features

- ~ Motorised conveyor rolls feeding from the side
- ~ Separate drive into the feeder pile plate using motorised chains (perpendicular to the conveyor rolls)
- ~ Allows space for over two still ages of tinplate
- ~ Simple two-button operation in each direction

Benefits

- ~ Useful in factories with less forklift access
- ~ Allows quick changeover of stillage's
- ~ Separate control system for easy installation
- ~ Reliably squares tinplate to the feeder
- ~ Robust and long lasting design

Motorised chain sections to drive the pallet forward





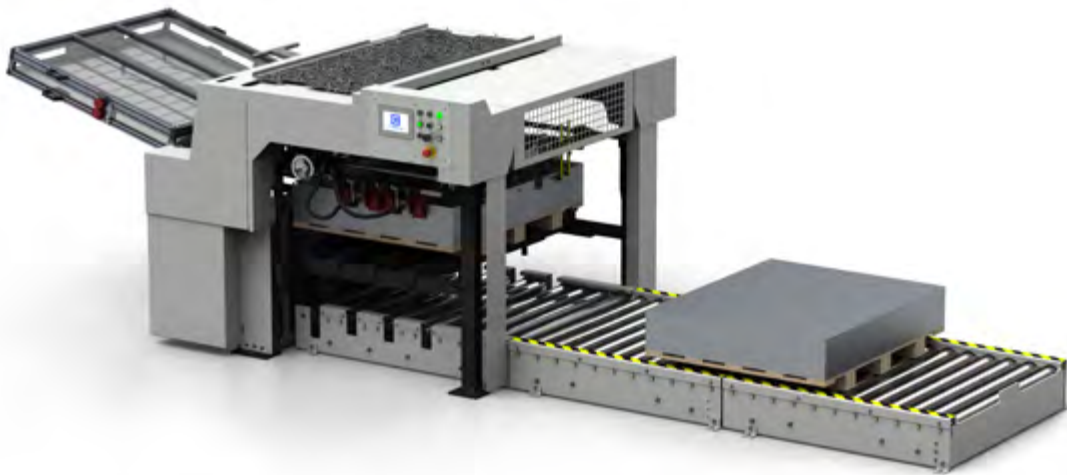
Book Your Free Online Consultation Today

We invite you to schedule a free online consultation to discuss your specific needs in the following areas:

- ~ New Machinery
- ~ Spare & Upgrades
- ~ Service & Maintenance
- ~ Technical & Operational Requirements

To book your consultation, please email: info@crabpress.co.uk

A member of our team will promptly arrange a convenient time for you.



Crabtree are dedicated to continuous improvement and therefore reserve the right to modify design features and technical specifications without notice

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