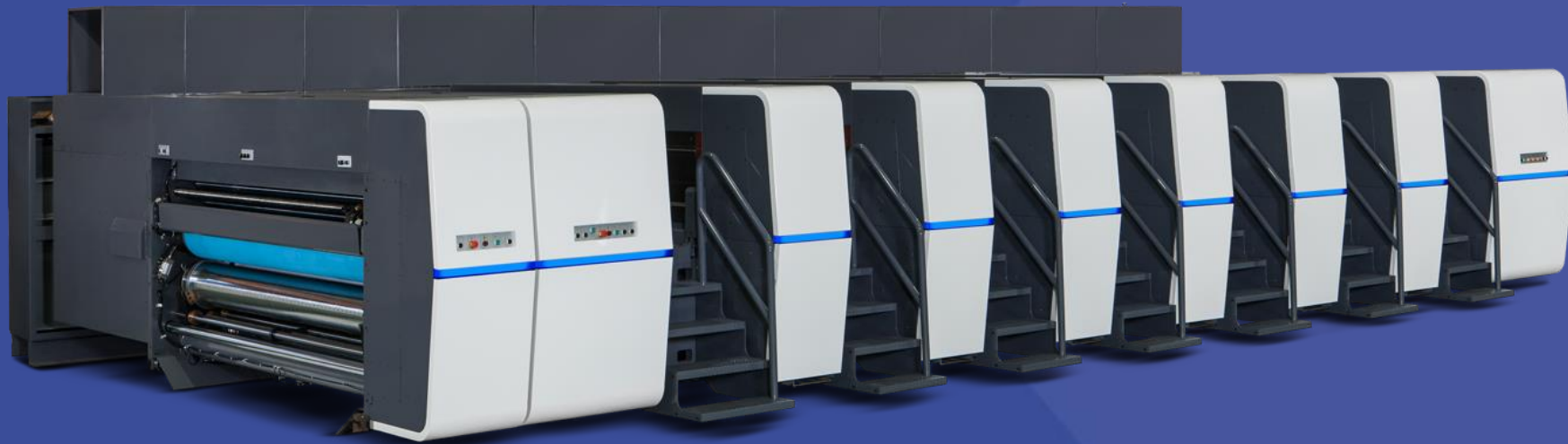


# QS-Series Rotary Die Cutter Range

Top Print Mid Lines      **QS 1025** 1000mm x 2500mm      **QS 1227** 1200mm x 2750mm



# The QS Concept



2 min auto setup, Non-stop order change technology  
Fully Independent all servo drive, throughout  
High Speed, Precise Production  
Easy to operate and maintain

# QS Smart Tech system

- 3D display to easily identify machine areas
- Smart order memory
- Multiple user functions:
  - Order status
  - Machine axes control
  - Speed control
  - Error codes
  - Trouble shooting
  - Production Efficiency data
  - Safety checks
  - Electrical contacts monitoring
  - Drive monitors
  - Maintenance system
  - Realtime Dynamic information
  - Quick port check

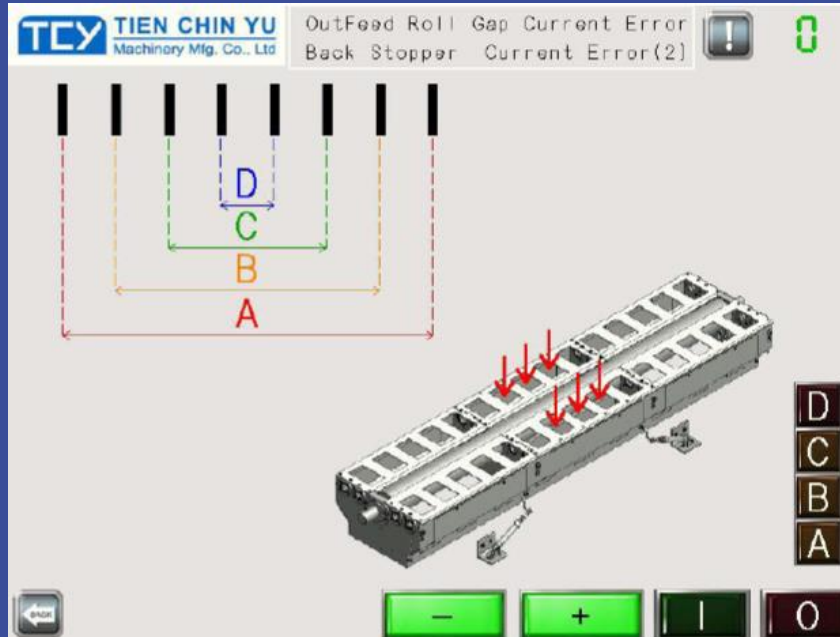


# Feeding Section



- Full servo motor drive for Lead-edge feeder
- Automatic feeding stroke of Sun Automation gearbox
- Maximum speed of 400 sheets per minute
- Automatically adjusting air vent of feed chamber
- Fully integrated 15" HMI control unit
- Rubber & Metal pull roll to prevent sheet crush
- Auto gap adjustment
- Automatic zero set

# AUTOMATIC VACUUM GATE SYSTEM - Feeder



Automatically selects the best damper zone for different orders

Four groups of damper zones to select from across machine width

Automatic vacuum system is available as standard on every QS series machine



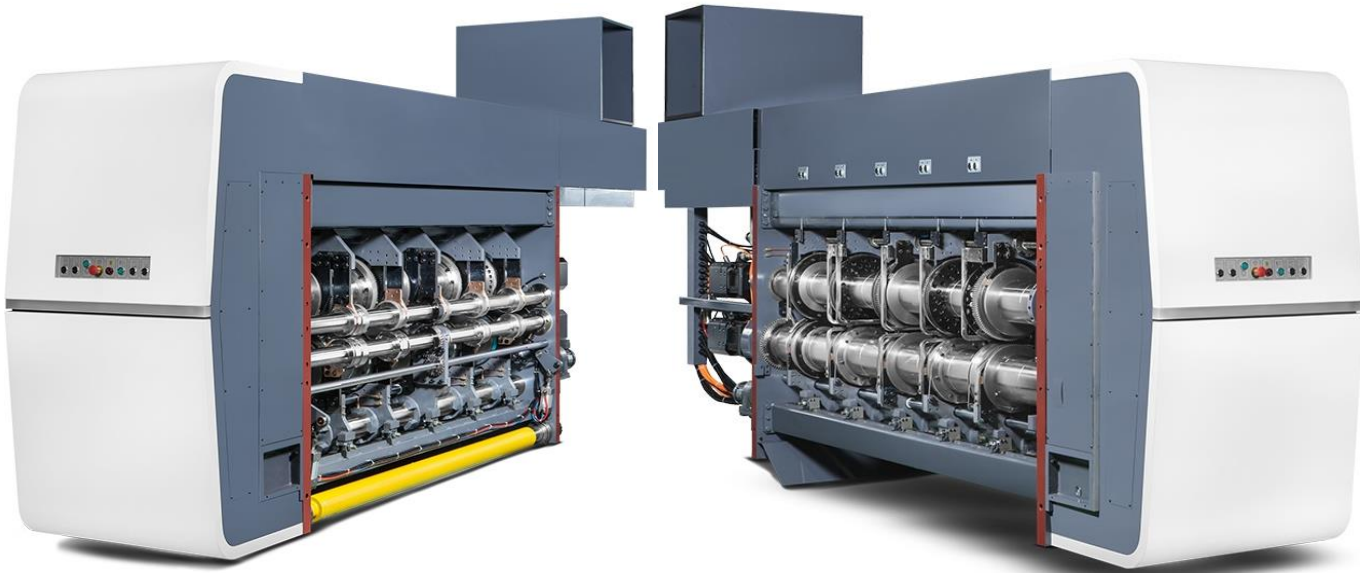
# Printing Section

- Top print, full servo motor drive per print unit
- Highly accurate print to print registration, with individual adjustment per print section
- Upper unit of the printer lifts to allow operator access for plate change during production
- Diaphragm pump for stable ink viscosity and flow
- Ink chambers with double doctor blade and auto wash down system
- Push button Auto zero-set
- Motorized Reel rod lock & release for stereo mounting by push button
- Vacuum transfer with specially coated wheels
- Optional Print section slide out on tracks for ease of maintenance
- Each unit can have an optional dryer fitted
- Optional carbon fibre chambers

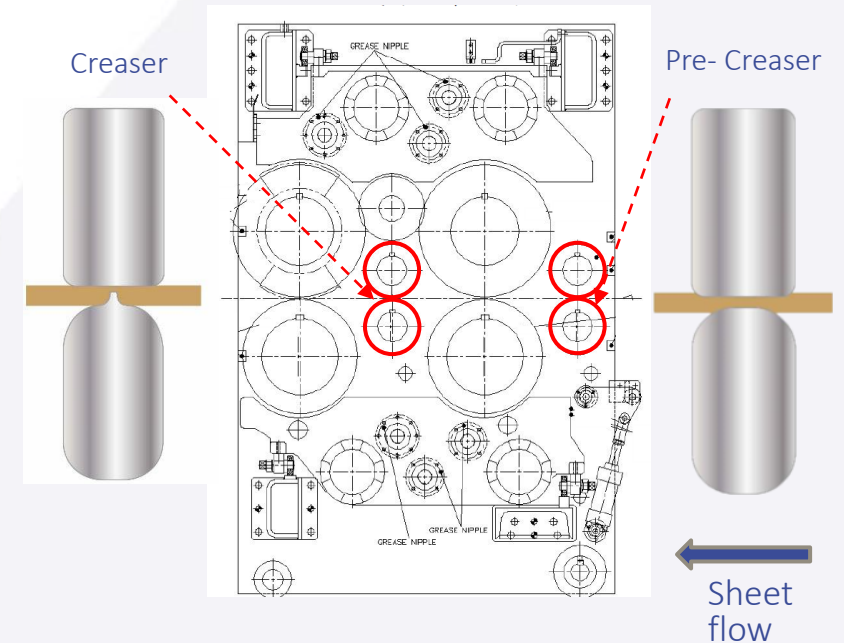


# Slotting Creaser Section (optional)

## (Dual Slotting & Creasing System)



- Full servo motor drive for double slotting shafts and double creasing shafts
- Steel to steel glue tab knife
- Independent and enlarged crusher and creaser to produce effective scoring and eliminates fish tiling, overlap and sheet damage



- Stainless strip deflector for slot waste
- No box height limit
- Upper trim knife with waste guide for paper
- Fully auto set

# Die Cutting Section

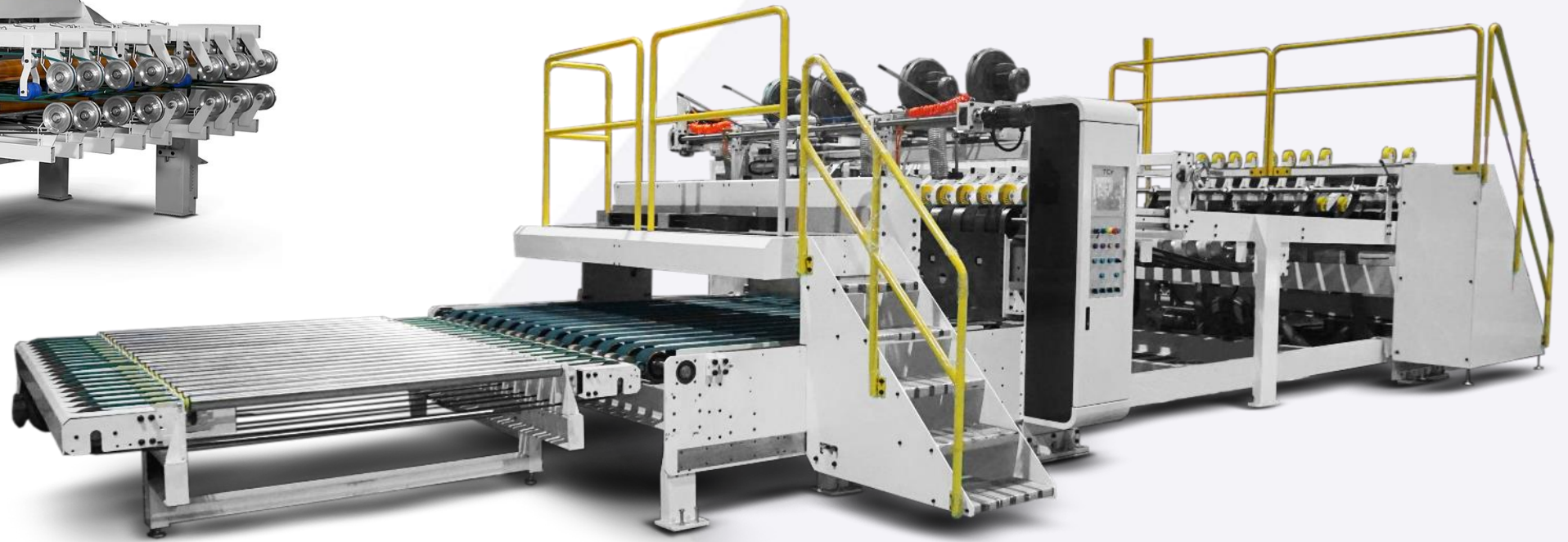
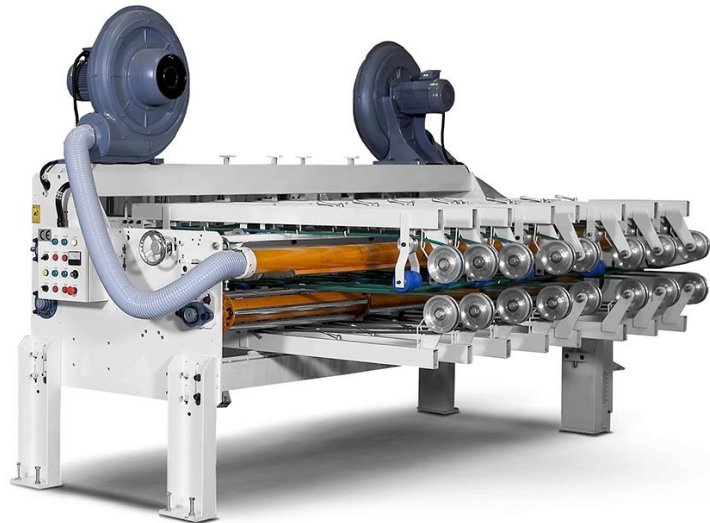


- Independent servo motor drive for die drum and anvil drum
- Anvil drum oscillation via hydraulic cylinder to prolong anvil life
- One-push Auto Zero set for die cutting position
- Strong, thick-walled die cut drum to reduce vibration to a minimum and provide accurate die cutting performance
- Anvil trimming device with anvil drum servo synchronized drive
- Waste conveyor under unit
- Optional Serrapid mounting system



# Delivery Section – Vibration section and Bundle Stacker

- Integrated PLC and servo motor drive for full control
- Multi-out stacking
- Easy operator set up by touch screen
- Vacuum transfer conveyor
- Clean boxes by vibration belts and brushes in stripper unit
- Accurately separate and direct individual blanks into separate streams
- Photo eye counting and batching



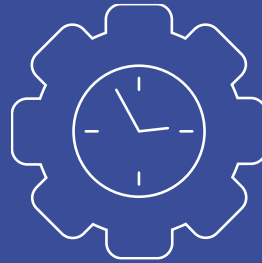
# QS-SERIES VALUE



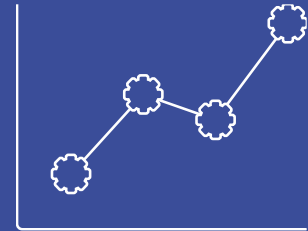
ONE TOUCH  
Fast Setup Time



EASY MAINTENANCE  
Reduce Cost



SPEEDY, RELIABLE  
PRODUCTION



EFFICIENCY UP

# TCY QS-Series Rotary Die Cutter

Fast Set - Easy to Operate - Easy to Maintain - High Performance – Non-stop order changeover



plus...TCY Machinery UK Ltd - Get the most from your QS-Series

- 100% owned subsidiary of TCY
- Factory, Warehouse and Demo centre in West Yorkshire
  - Dedicated TCY OEM parts in stock
  - In house Technical Support
- Field-based service engineer expertise