

N-SERIES Rotary Die Cutter range



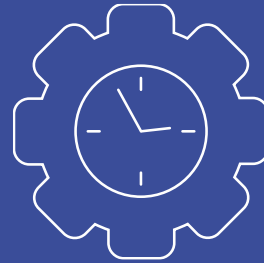
N-SERIES VALUE



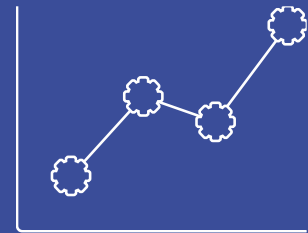
ONE TOUCH
Fast Setup Time



EASY MAINTENANCE
Reduce Cost



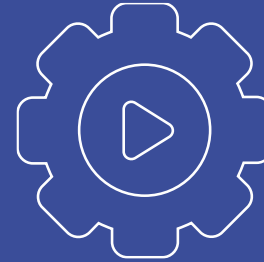
SPEEDY, RELIABLE
PRODUCTION



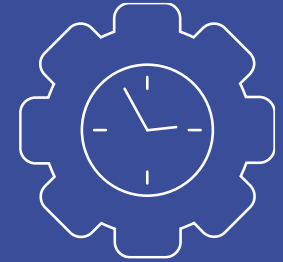
EFFICIENCY UP

Performance SMART RDC from TCY

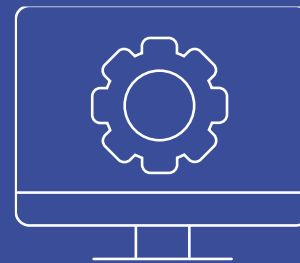
- Consistent, quality boxes at high speed
- Zero back-lash, transmission drive open/close system with motorized and automated functionality
- TCY Smart Tech – PC & HMI Touch Screen based controls providing:
 - Fast Set Up
 - Easy Operator Use
 - Auto position memory / saved job recall across each section
 - Pinpoint errors and diagnostics quickly
- Remote diagnostic support via ethernet or phone



AUTOMATION



EFFICIENCY



COMPUTER SETUP

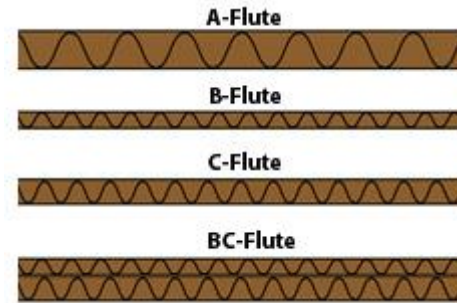
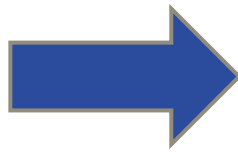


EASY MAINTENANCE

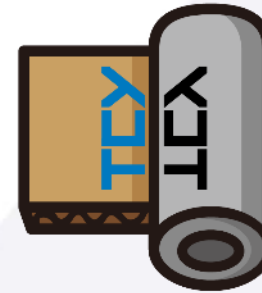
Smart Tech - Automatic, Fast, Easy Set Up



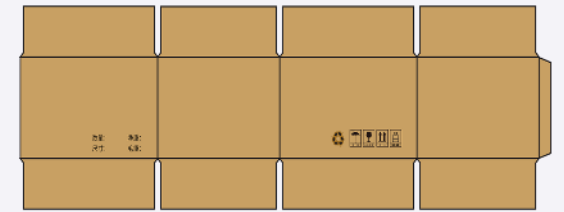
JUST ONE TOUCH



Auto gap adjustment
In every section



Auto memory register
positions



Auto Slotting &
Creasing Position
(if slotter is specified)

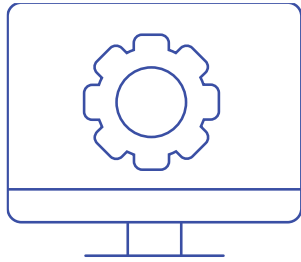
PLUS, Auto Set-Up of Ancillary Modules

- ✓ Pre-Feeder
- ✓ Stacker
- ✓ Breaker
- ✓ Palletizer
- ✓ Conveyor

Smart Tech Order Management Memory



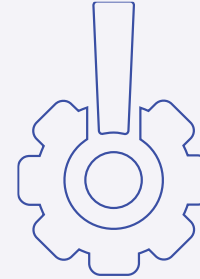
Smart Tech Easy Maintenance



REMOTE CONNECTION SERVICE



TROUBLESHOOTING GUIDANCE



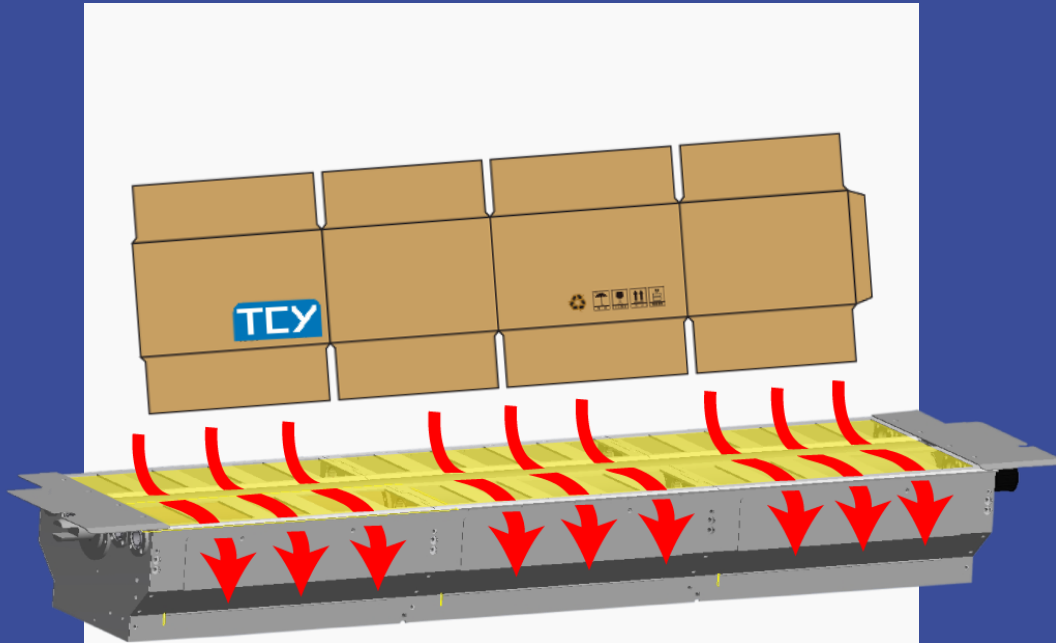
ON-SCREEN
MAINTENANCE REMINDERS

Feeding Section

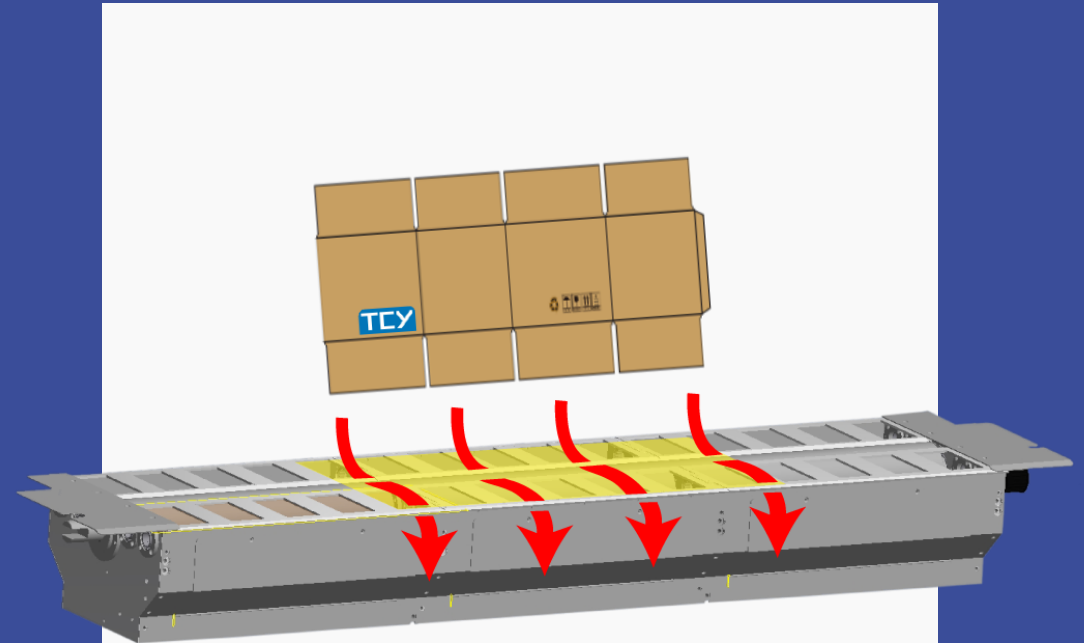
- SUN Lead edge feeder
- Skip Feed and Feed Interrupt
- One touch Auto zero set for feeding position
- Gap adjustment via eccentric device
- Hybrid Metal lower and Rubber upper pull roll to prevent sheet crush
- Frequency inverter drive with variable suction control
- Optional dust vacuum cleaner
- Optional Pre-Feeder



AUTOMATIC VACUUM GATE SYSTEM - Feeder



LARGE SHEET



SMALL SHEET

Printing Section

- Bottom print as standard (Optional Top print for inside)
- Highly accurate print to print registration
- Laser engraved ceramic anilox roll
- Peristaltic pumps for stable ink viscosity and flow
- Rubber roll as standard
- Ink chamber option with double doctor blade and 3-minute auto wash down cycle system
- Carbon Fibre chamber option
- Optional Vacuum transfer with specially coated wheels
- Each printer is moveable for ease of maintenance

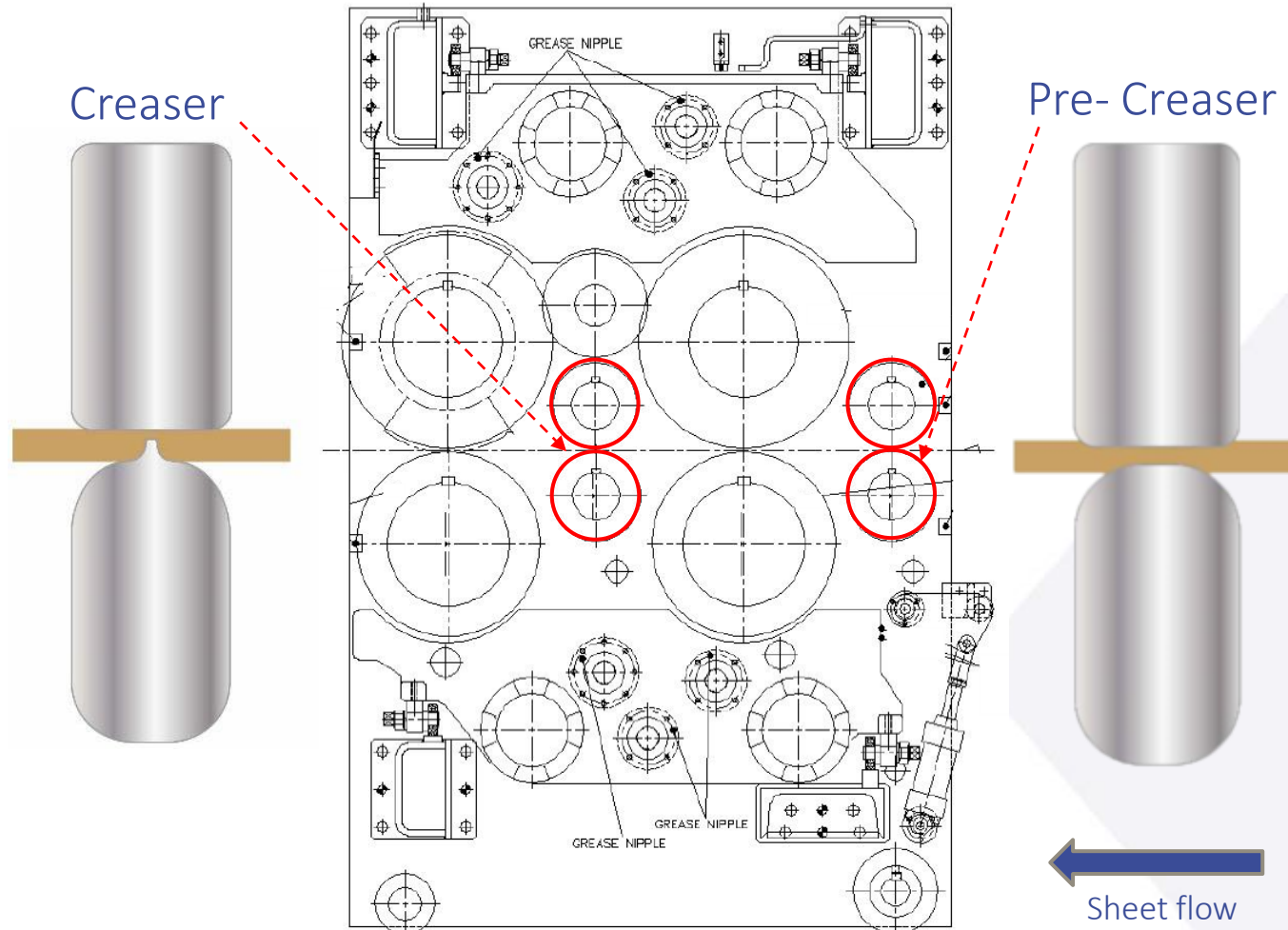


Dual Slotting Creasing Section (optional)



- No box height limits
- No need to adjust each knife position, saving order change over time
- Steel to Steel tab knives
- Creasing wheels utilize a separation design for ease of replacement

Dual Slotting Creasing Section – Cont.



- Separate dual units for ease of maintenance
- Each unit equipped with 1 slotting shaft and 1 creasing shaft
- Heavy duty design suitable for large, strong boxes
- One-push Auto zero-set for slotting knife
- Auto positioning of slot knives, and gaps/register
- Central yoke head moveable

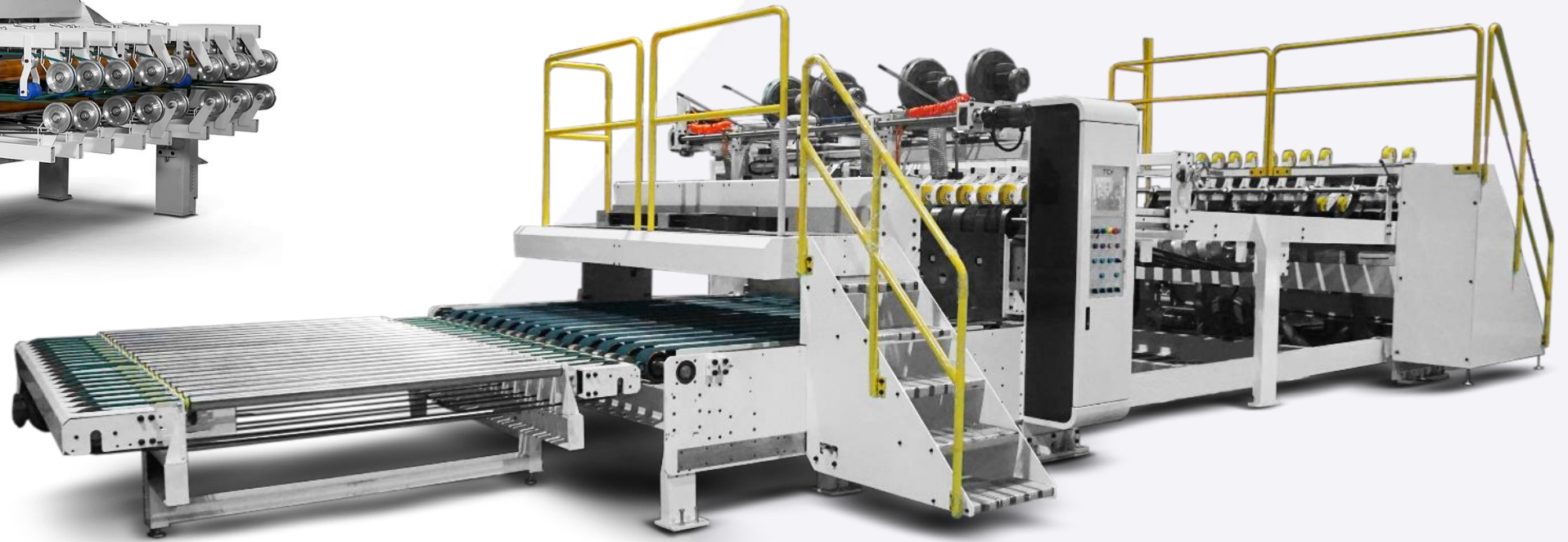
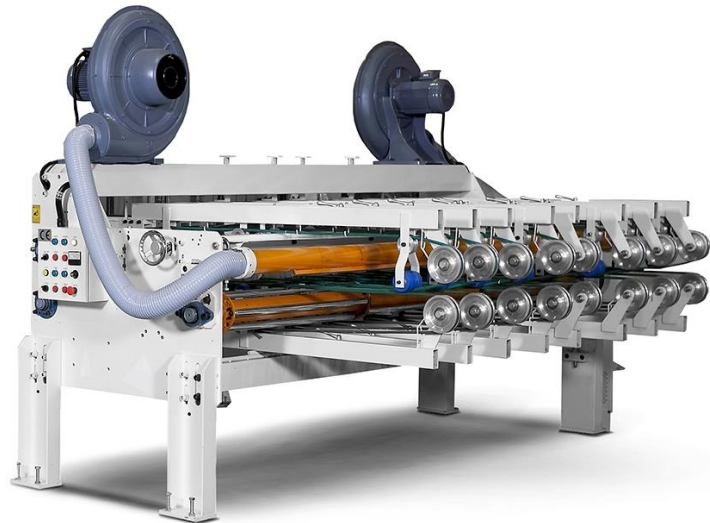
Die Cutting Section

- Hydraulic oscillation movement for anvil drum 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
- Optional anvil trimming and anvil drum synchronized drive
- Optional Quick-change 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



TCY N-Series Rotary Die Cutter

Fast Set - Easy to Operate - Easy to Maintain - High Performance – Quality Production, Consistently



plus...TCY Machinery UK Ltd – Get the most from your N-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