

N-Series Inline Casemaker Range

Top Print Mini Line

660mm x 1800mm

Top or Bottom Print Mid Lines

1000mm x 2200mm up to 1200mm x 3000mm

Bottom Print Jumbo Lines

1600mm x 3000mm up to 2200mm x 5500mm

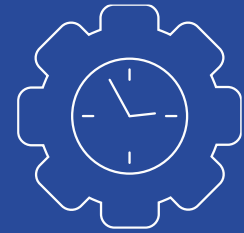


Performance SMART casemaker from TCY

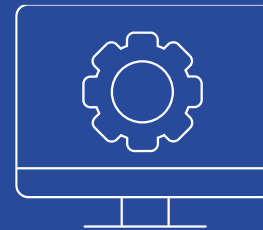
- Consistent, quality boxes at high speed
- Zero back-lash, transmission drive open/close system with motorized and automated functionality
- TCY Smart Tech – PC & HMI Touch Screen based controls providing:
 - Fast Set Up
 - Easy Operator Use
 - Auto position memory / saved job recall across each section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



AUTOMATION



EFFICIENCY



COMPUTER SETUP

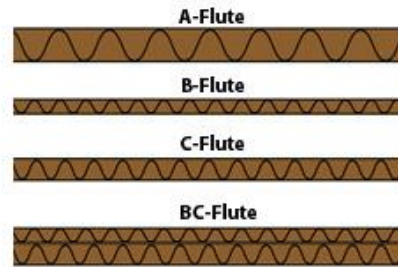
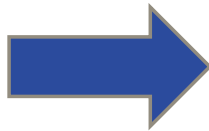


EASY MAINTENANCE

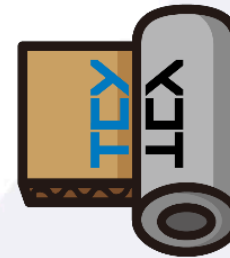
Smart Tech - Automatic, Fast, Easy Set Up



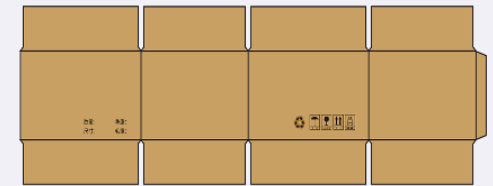
JUST ONE TOUCH



Auto gap adjustment
In every section



Auto memory register
positions



Auto Slotting &
Creasing Position

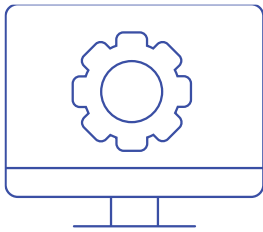
PLUS, Auto Set-Up of Ancillary Modules

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

Smart Tech - Order Management Memory



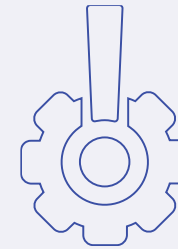
Smart Tech - Easy Maintenance



REMOTE CONNECTION SERVICE



TROUBLESHOOTING GUIDANCE



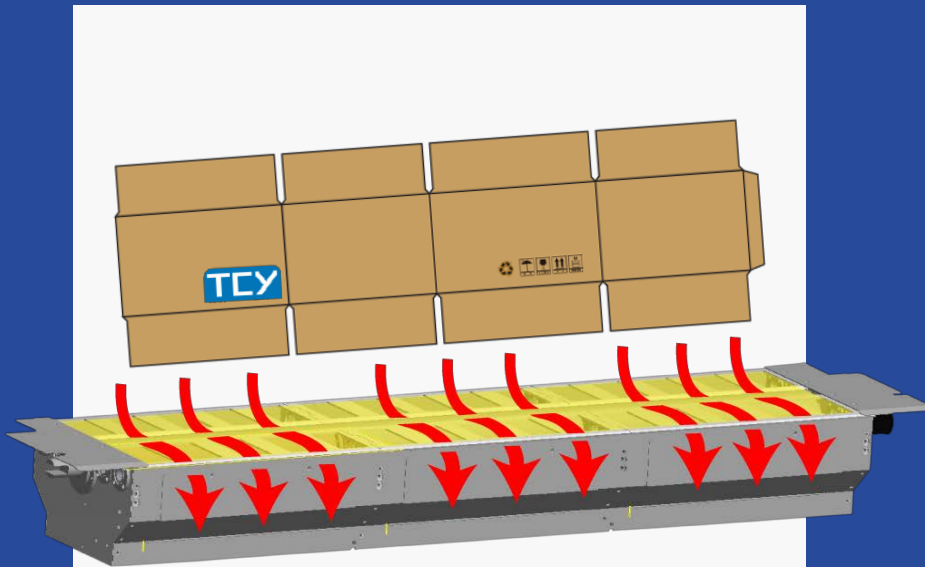
ON-SCREEN
MAINTENANCE REMINDERS

Feeding Section

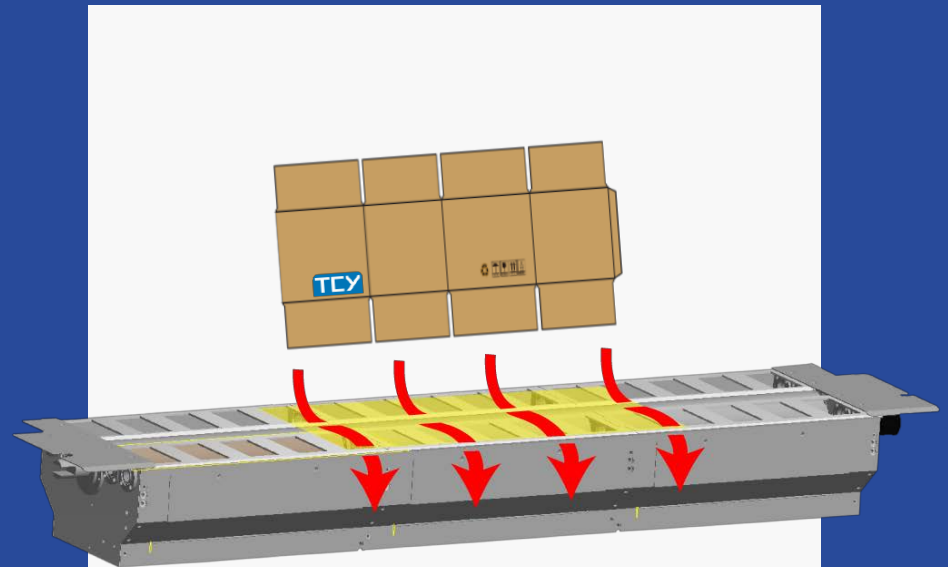


- SUN Lead-edge feeder
- Skip Feed and Feed Interrupt
- One touch Auto zero set for feeding position
- Gap adjustment via eccentric device
- Hybrid Metal lower and Rubber upper pull roll to prevent sheet crush
- Frequency inverter drive with variable suction control
- Optional dust vacuum cleaner
- Optional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

AUTOMATIC VACUUM GATE SYSTEM - Feeder



BIG SHEET



SMALL SHEET

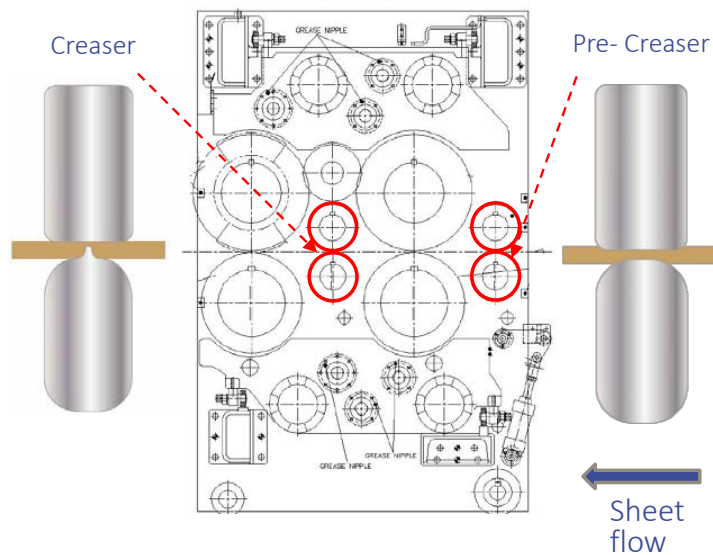
Printing Section

- Top print & and/or Bottom print versions
- Highly accurate print to print registration of $\pm 0.5\text{mm}^*$
- Laser engraved ceramic anilox roll
- ARO diaphragm pump for stable ink viscosity and flow
- Rubber roll as standard
- Ink chamber option with double doctor blade and 3-minute auto wash down system
- Push button Auto zero-set
- Reel rod lock or Matthews Lock system
- Optional Vacuum transfer with specially coated wheels
- Optional Print section slide out on tracks for ease of maintenance



Slotting Creaser Section

(Dual Slotting System on larger formats)



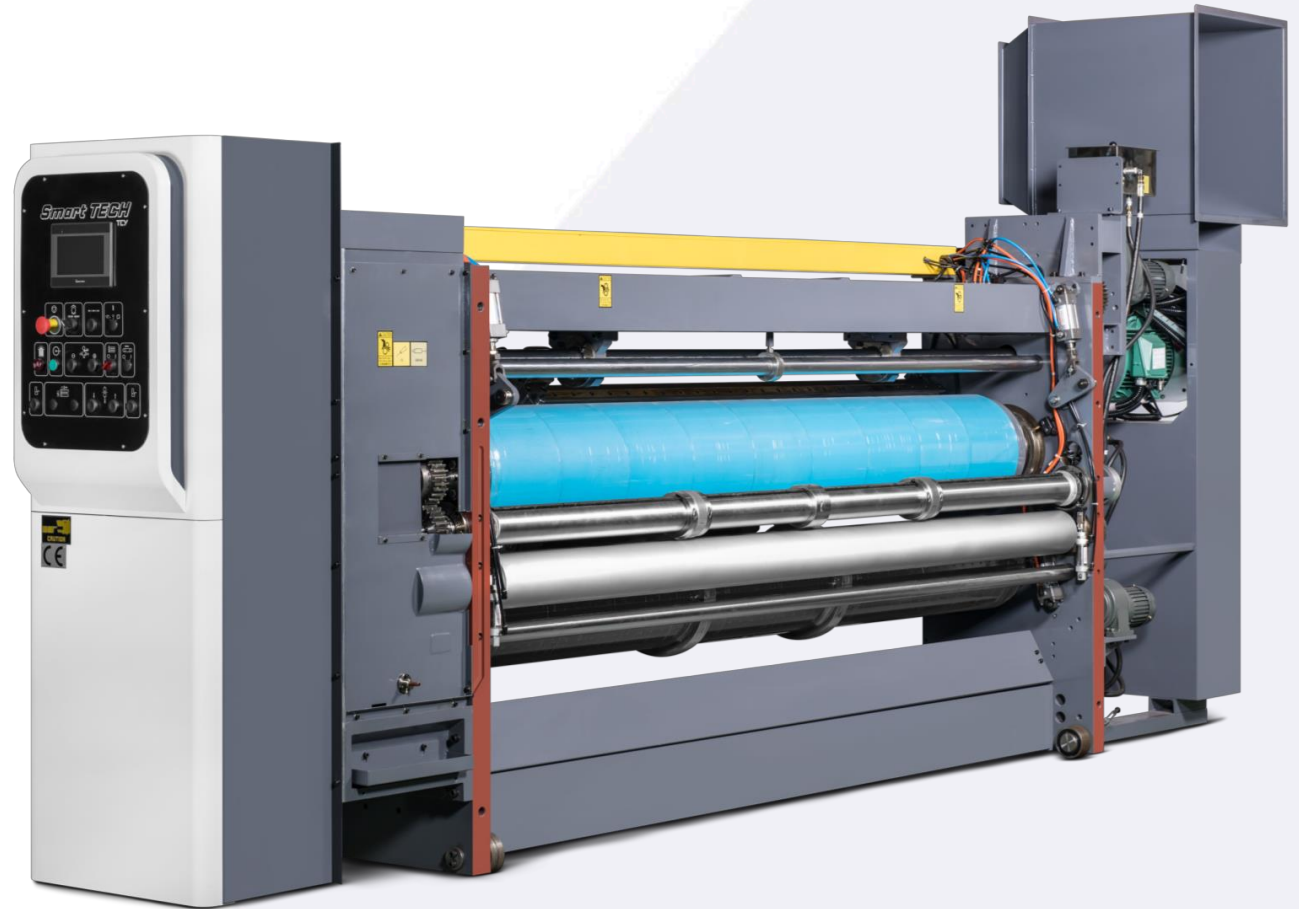
- Chrome plated slotting & scoring shafts
- High grade ball screw shaft
- No box height limit
- No need to adjust each knife position at order change

- Push button motorized lateral adjustment
- Crush-slot-crease-slot, with full compliment of:
 - Upper & lower crease heads
 - Upper & lower slotter heads
 - Slot blades
 - Trim knives
 - Tab cutters

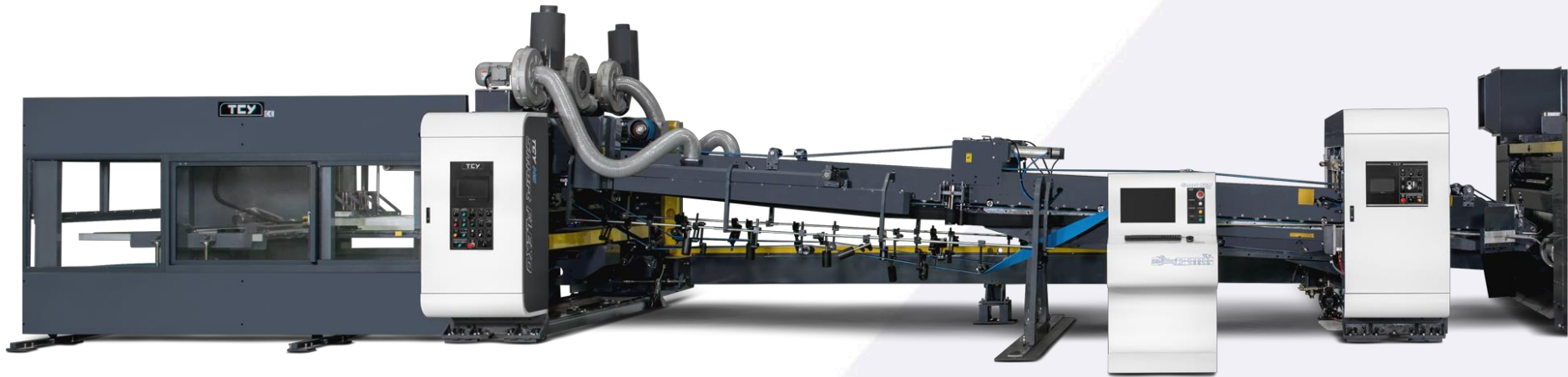


Die Cutting Section

- 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



Folding Gluing & Top Loading Counter Ejector



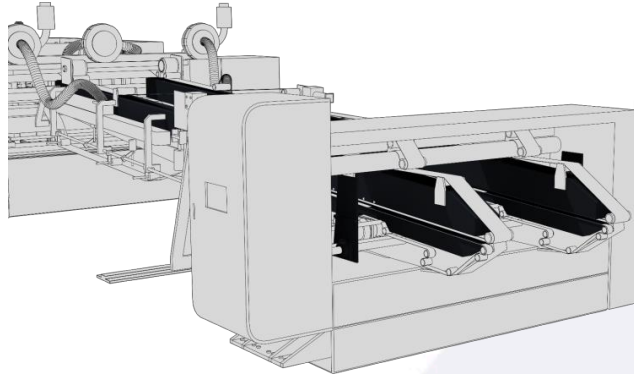
- Top loading system for receiving and stacking boxes
- 100% counting of boxes and bundle ejection
- Servo motor control for quick setting of position and smooth motion
- Fully closed unit for safe operation
- Servo for elevator up/down, ledge in/out, press bar, front belt, rear belt
- Accurate folding gap and elimination of fish tailing
- Adjustable speed control of folding belts by servo motor
- Side guide wheels have micro-adjustment for folding gap
- Built-in sheet incline detector

Folder Gluer Section cont.

Prevents fishing-tailing of sheets

Gap-Adjustable, Side Folding Wheel
(see next slide)

Speed-Adjustable Bottom Folding Belt



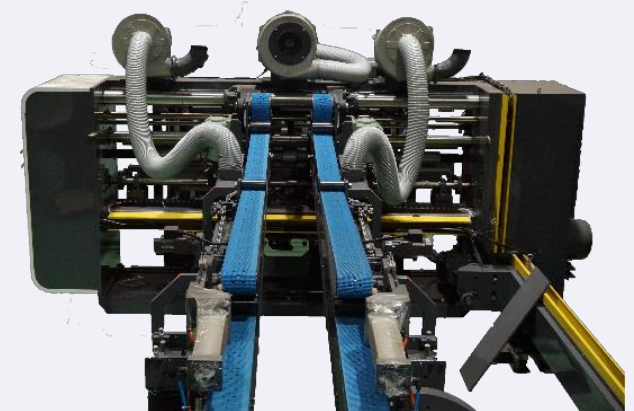
Prevents sheet skewing

Vacuum Belt with rugged, rough-top belts for positive grip and stable transfer of sheet

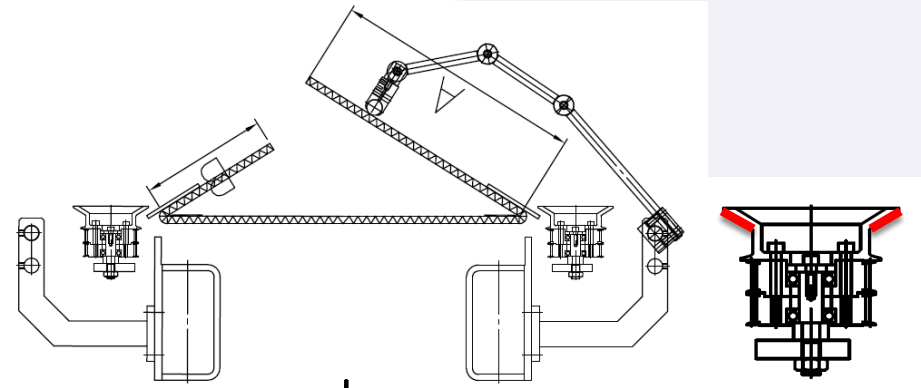
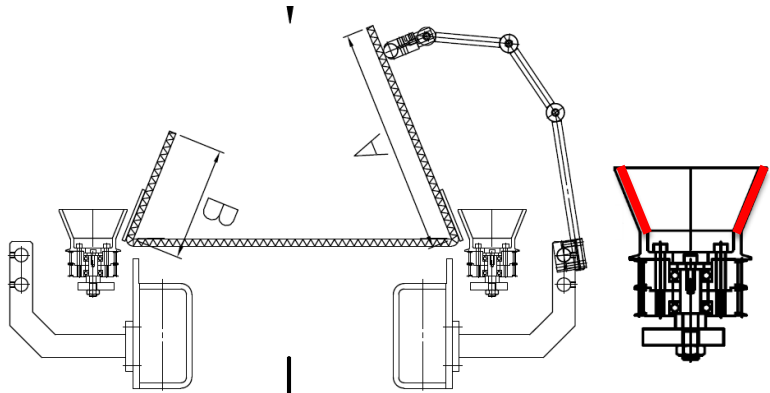


Folding Beam uses High-quality
Reinforced Materials

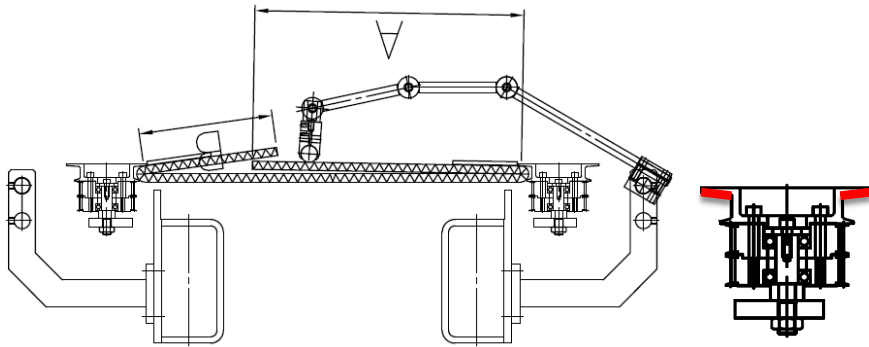
Valco Glue System



TCY Side Guiding Wheels



Side guiding wheels can micro-adjust for folding gap

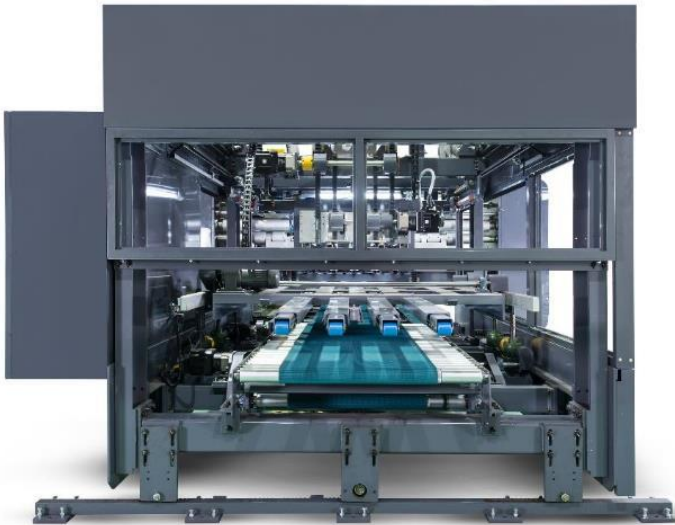


Every guide wheel is designed for different folding angle



Counter Ejector Section

N Series Servo Control System
for quick setting position and
smooth motion



Accurate box quantity count and bundle ejection

Top loading system for receiving and stacking of boxes



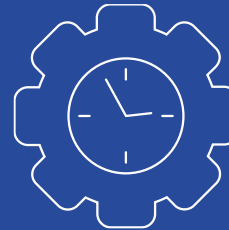
N-SERIES VALUE



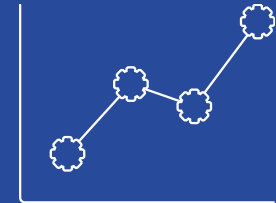
ONE TOUCH
Fast Setup Time



EASY MAINTENANCE
Reduce Cost



SPEEDY, RELIABLE
PRODUCTION



EFFICIENCY UP

TCY N-Series Inline Casemaker

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