

Set up **2min** Operator **2persons**



QS SERIES

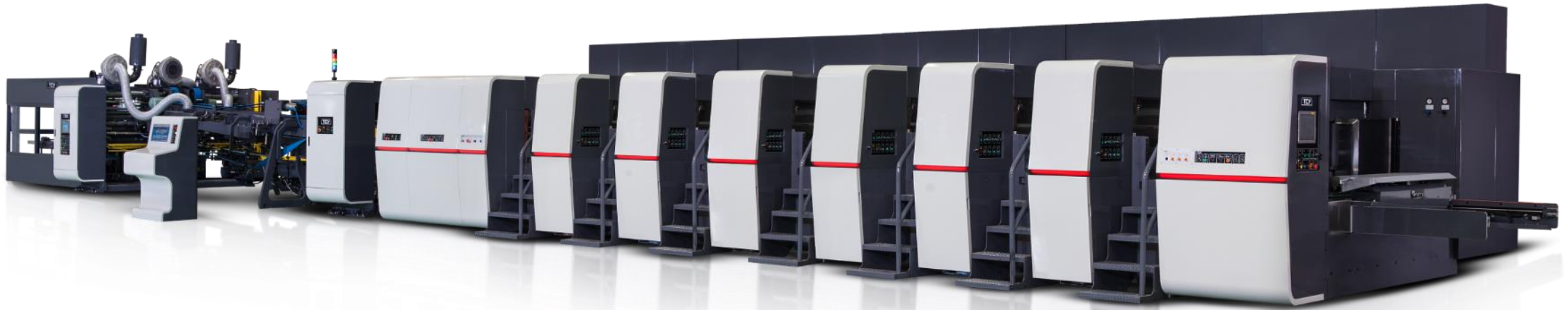
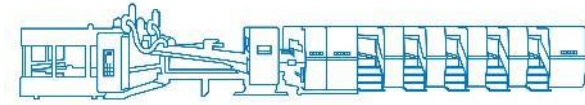
High Speed Flexo Folder Gluer

QS-618 : Output **24000** sheet/hr

QS-1025 : Output **21000** sheet/hr

QS-1227 : Output **15600** sheet/hr

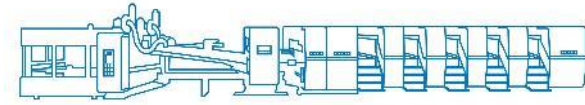




QS - SERIES

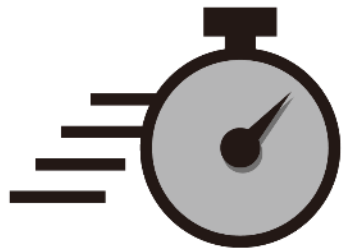
Essential Features

- Fast set-up and non-stop order change maximizes productivity.
- Consistent and quality boxes produce at fast speed.
- TCY SmartTech – PC & HMI based control for easy operation.
- Remote diagnostics via ethernet or phone.
- Available as a Rotary Die Cutter or Flexo Folder Gluer.



QS - Series

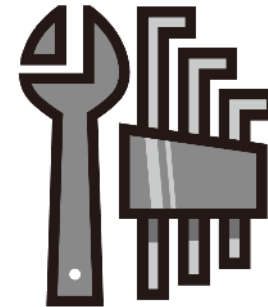
Machine model : QS 618 / QS 1025 / QS 1227



Fast Setup
Fast Operation



Non-Stop
Order Change

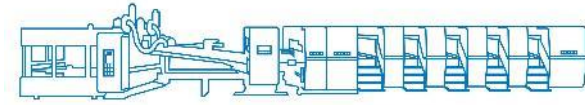


Easy Maintenance



Full Independent
Servo Drive

QS 618 / QS 1025 / QS 1227



Appearance

QS 618



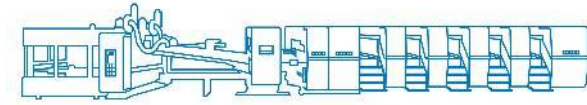
QS 1025



QS 1227



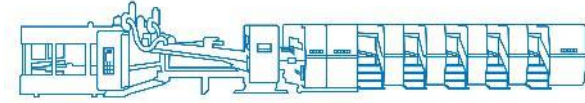
QS 618 / QS 1025 / QS 1227



	Max. Speed/min	Max. sheet size	Min. sheet size
QS 618	400	633 x 1800	220 x 475
QS 1025	350	988 x 2500	250 x 755
QS 1227	260	1100 x 2700	310 x 755



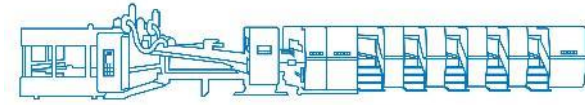
QS SERVO CONTROL SYSTEM



- TAIWAN First & Only Full Independent Servo Drive System
- Every SHEET is ALL control BY QS SERVO CONTROL SYSTEM:
 1. Accurate Feeding by **QS Servo Control**
 2. Accurate Printing by **QS Servo Control**
 3. Accurate Slotting and Creasing by **QS Servo Control**
 4. Accurate Die-Cutting by **QS Servo Control**
 5. Stable Folding by **QS Servo Control**
 6. Stable Counter Ejector Movement by **QS Servo Control**



FEEDER SECTION



- Independent Servo Drive
- Each Section Movement protective device



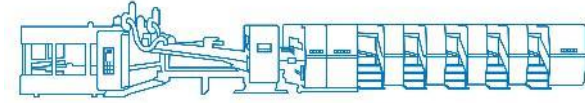
- Lead Edge Feeder
- Rubber and Metal Pull Roll Design for prevent sheet board crush



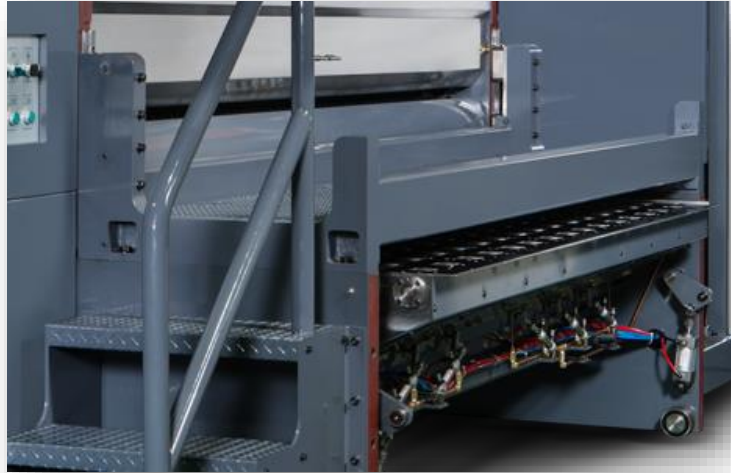
TCY SmartTech System

- HMI touch Screen
- Automatic Feeding Stroke
- Automatic Vacuum System
- Safety Key Lock

PRINTER SECTION



- Top Print Design
- Vacuum transfer without Belt
- Peristaltic pump for stable ink viscosity and flow



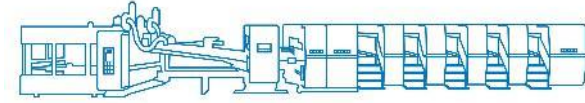
- TCY SmartTech System
- Automatic Memory Register Position
 - Automatic Vacuum System
 - Non-Stop Order Change



- Independent Servo Drive
- Protective cover and Lock System to protect operator's safety



Doctor Blade System



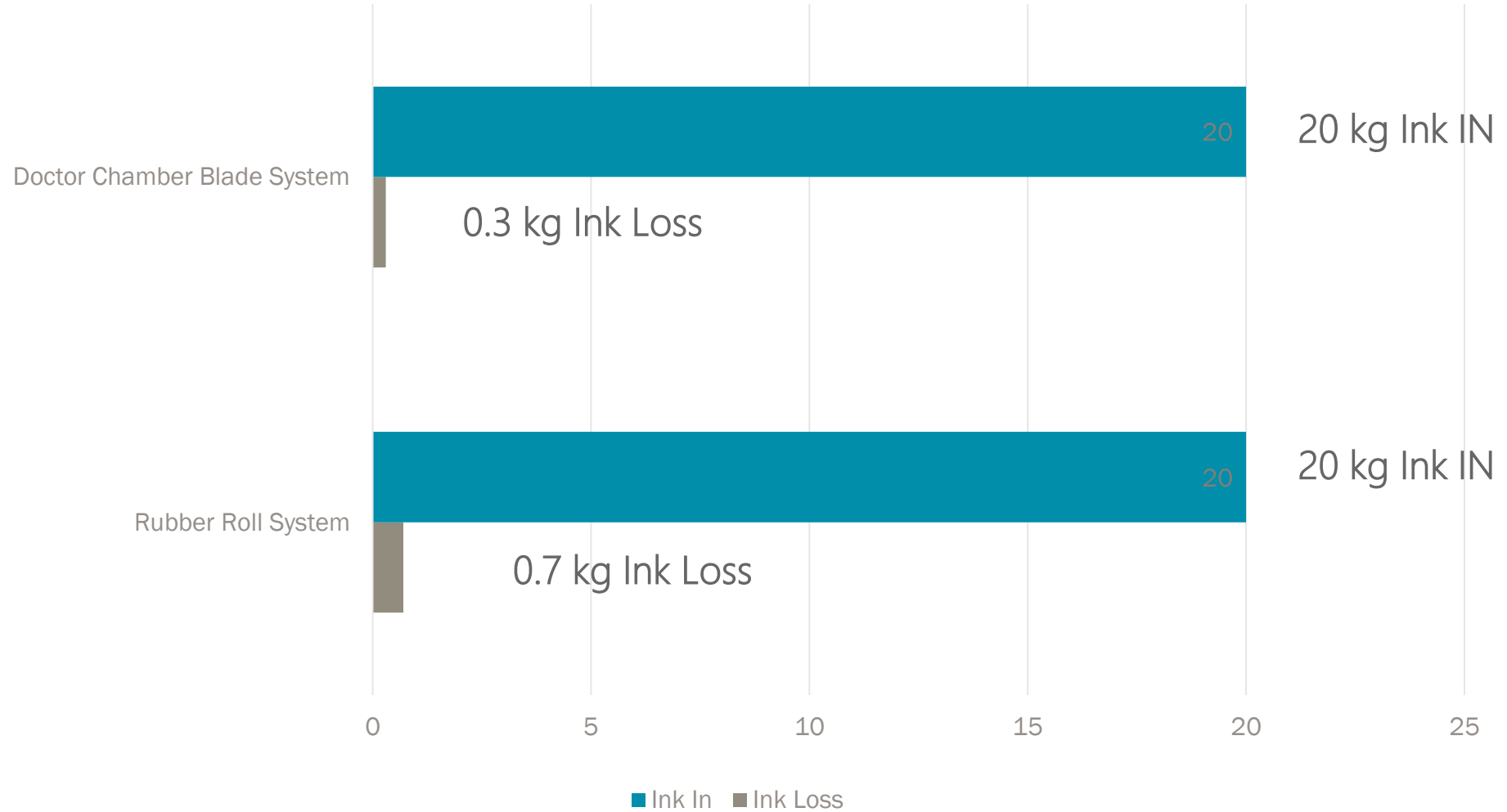
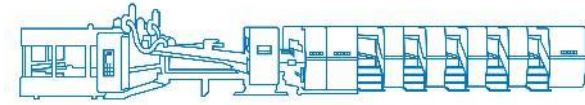
Locker with Sensor is available in Safety program of TCY SmartTech System

Special Sprinkler for spray 7kg/cm² water and air blast

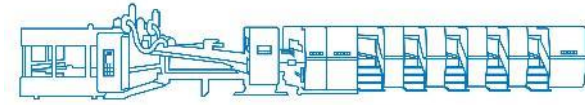
Doctor Blade System can provide quality print

- Dual doctor blades ink chamber System
- THREE Minutes Quick Auto-Wash
- Safety with TCY SmartTech System
- (Optional) Carbon Fiber Version

PRINTER UNIT INK LOSS



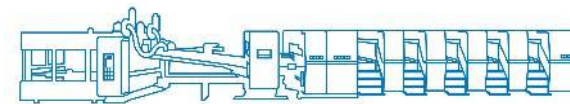
CHANGING OF PRINTING DIE



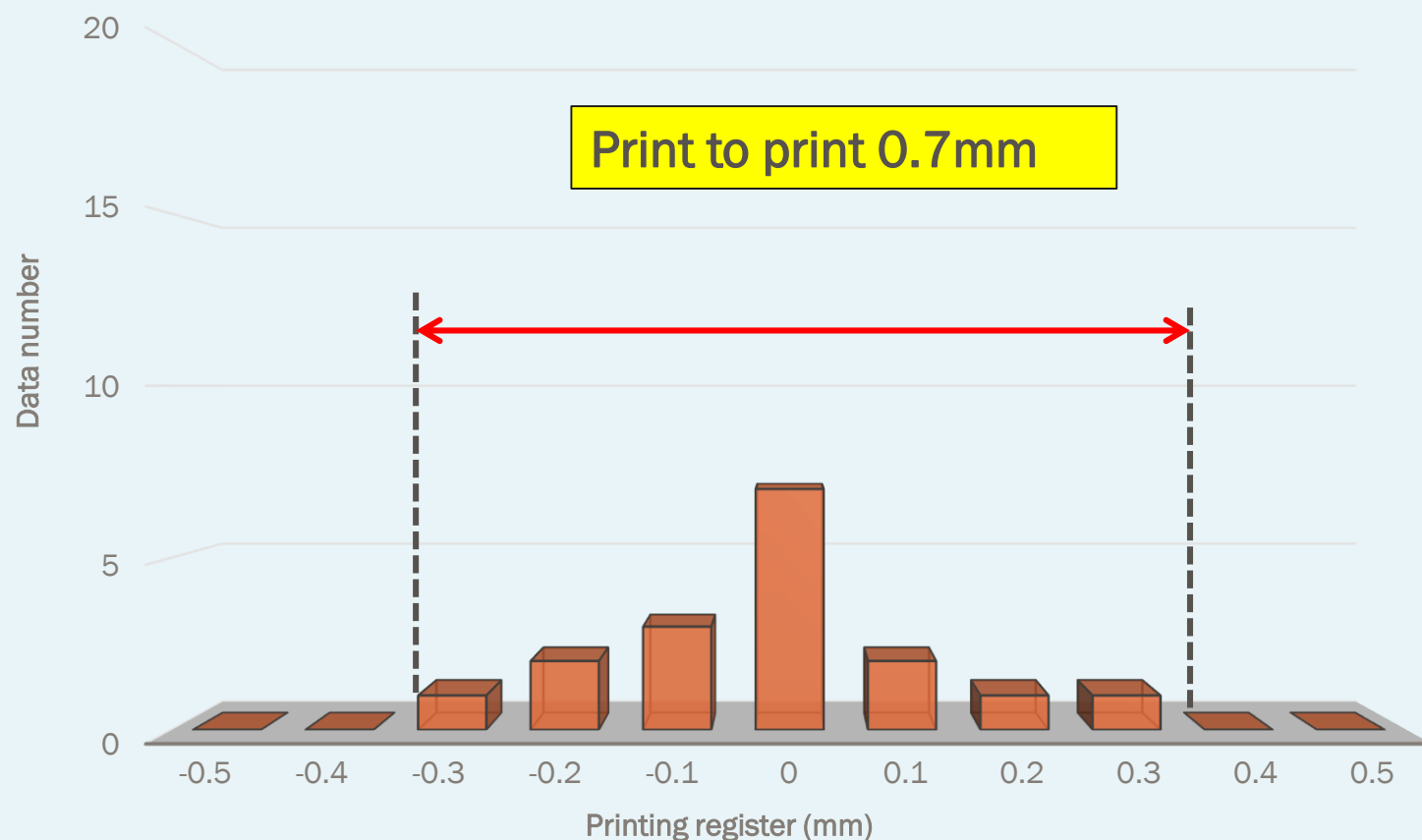
Motorized reel rod lock and release for mounting stereo by push button without hand tool.

Anilox Roll Cover for Safety operation.

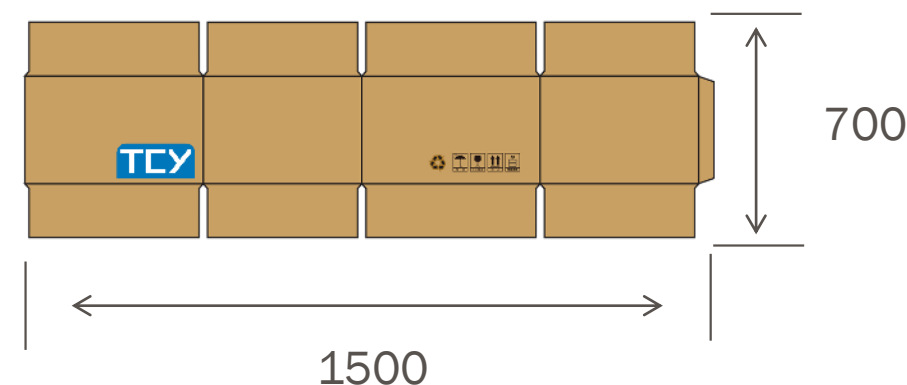
PRINTING REGISTER DATA



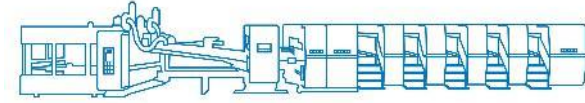
Sample Q'ty "20"



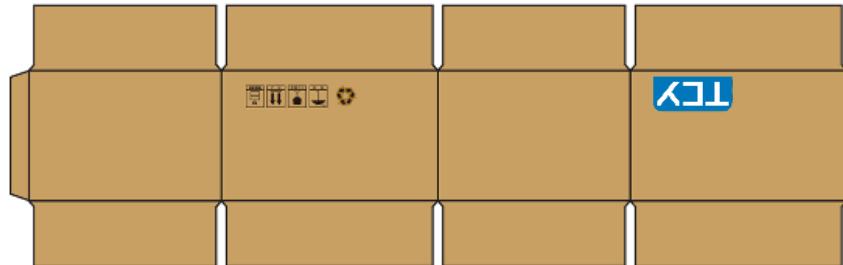
- Flute : B
- Blank size : L700mm x W1500mm
- Material : K220 X SCP120XK220
- Speed: 350 sheet / min
- 2 color (print to print)



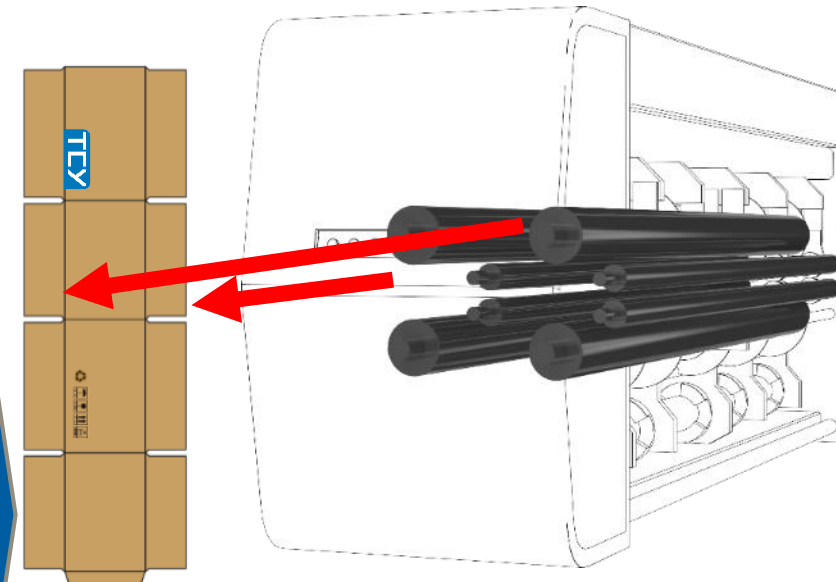
CREASER SLOTTER SECTION



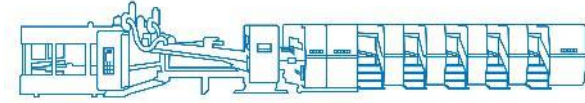
- Independent Servo Drive
- Creasing Wheel is separated design for easy replacement
- Glue Tap Knife (steel to steel)



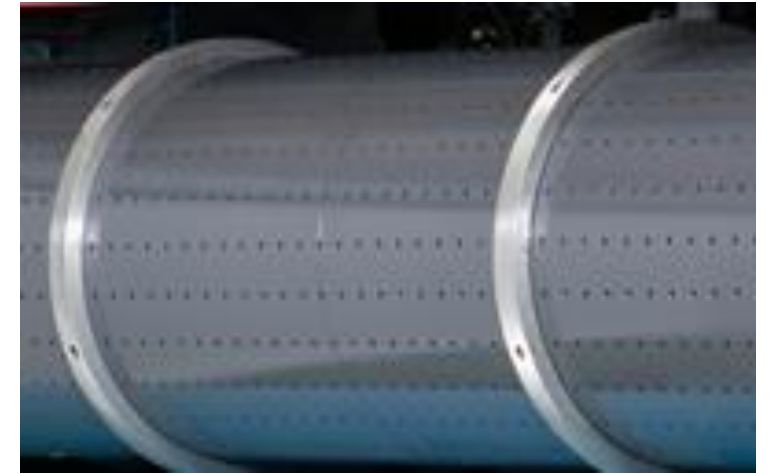
- Dual Slotting System : 4 pairs of upper & lower shaft.
- 360 degree register with setting position



ROTARY DIE CUTTER SECTION



- Independent Servo Drive
- Anvil trimming and anvil drum synchronized drive
- Hydraulic oscillation movement System

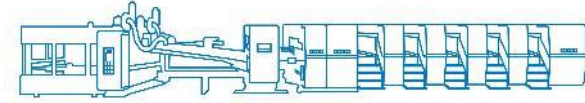


- M8 holes with spacing 50mm x 47.38mm (30°)
- (Option) SERRAPID Mounting System
- (Option) Micro Grind system



- TCY SmartTech System
- Automatic Guide Ring
 - Automatic Memory Register Position
 - Automatic Lift and Press

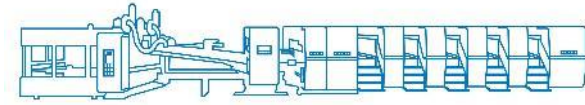
FOLDER GLUER SECTION



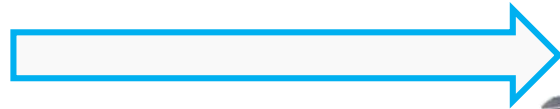
Sheet inclined detector
equipped in folding section
to detect sheet skewed

FOR ACCURATE FOLDING GAP AND ELIMINATE FISH TAILING

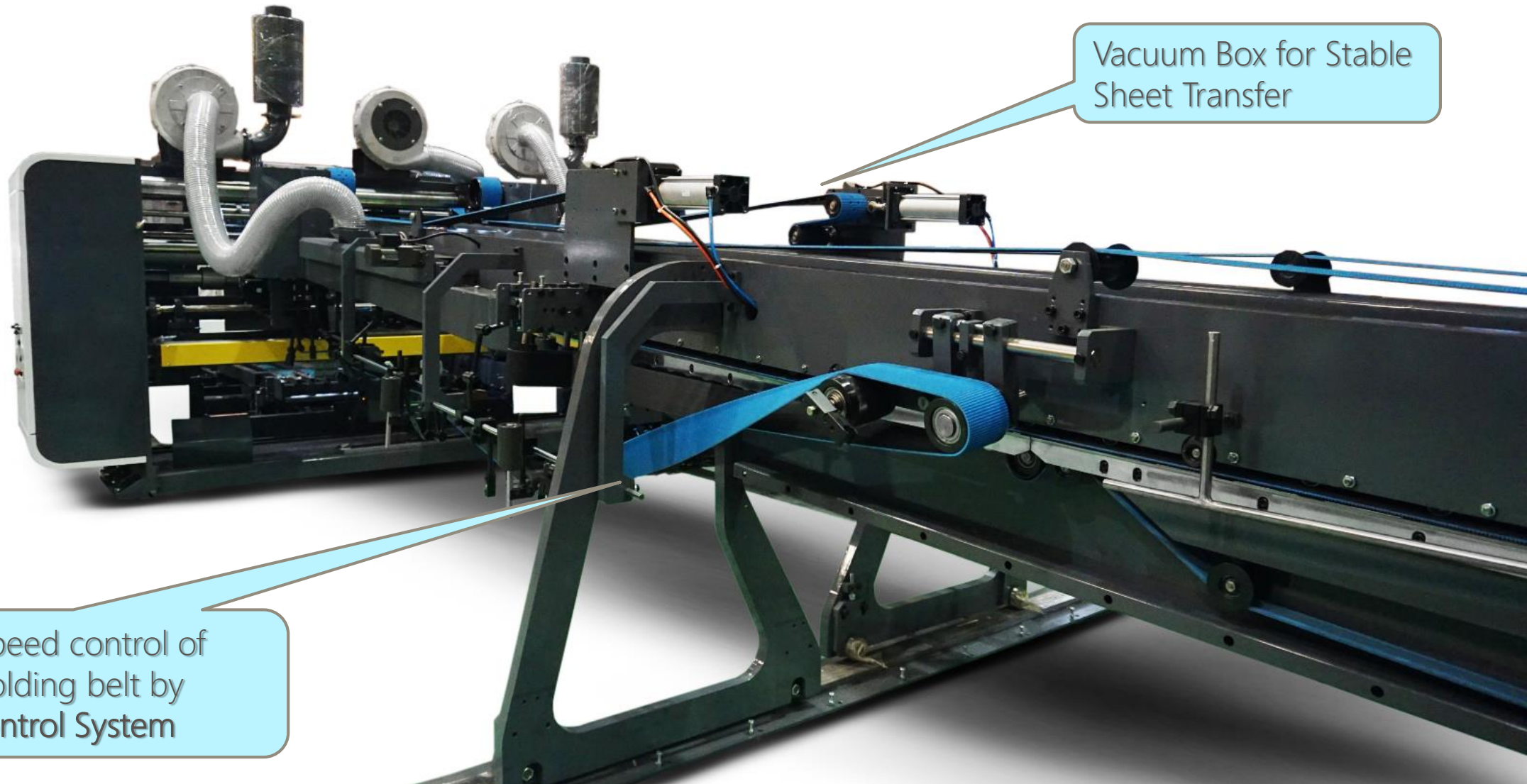
FOLDER GLUER SECTION



Auto adjustment of folder gluer
entrance for different sheet board
thickness



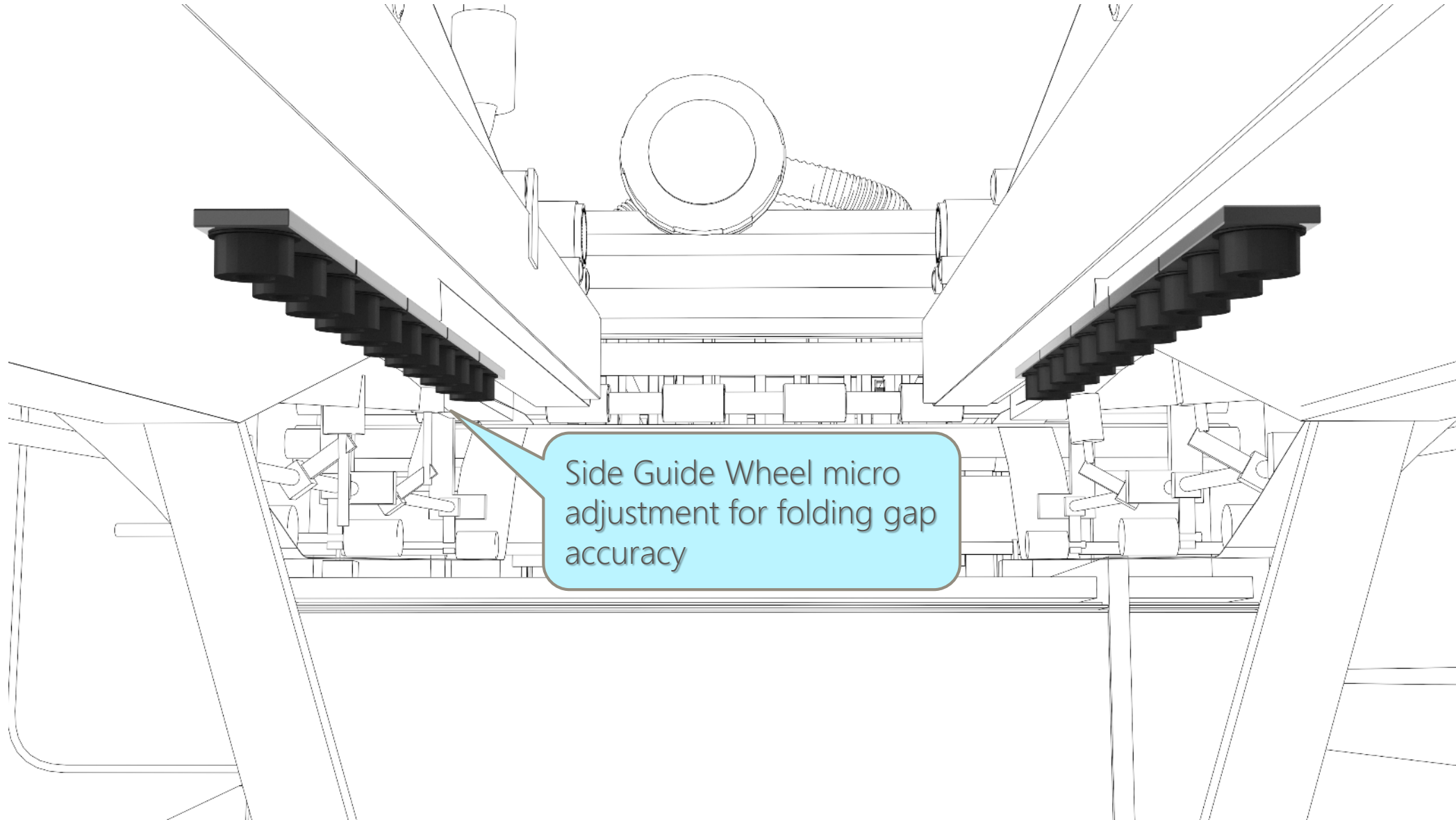
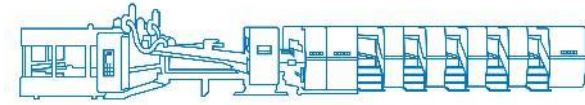
FOLDER GLUER SECTION



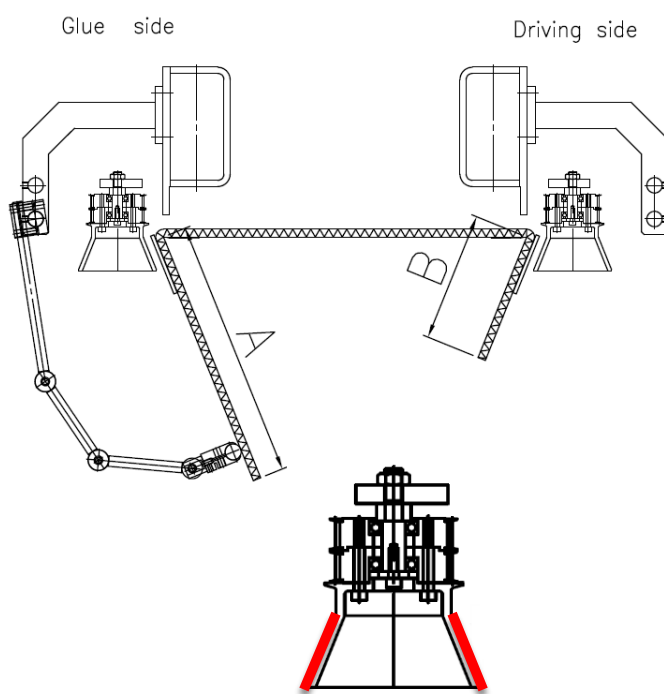
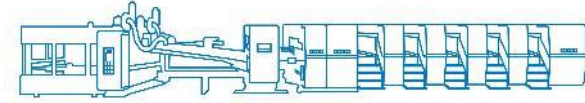
Vacuum Box for Stable Sheet Transfer

Adjustable speed control of both lower folding belt by QS Servo Control System

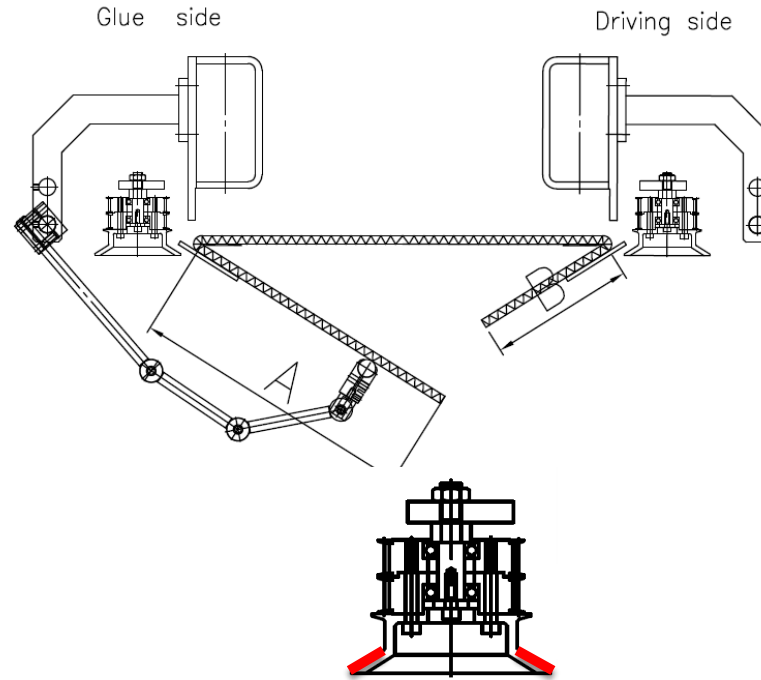
FOLDER GLUER SECTION



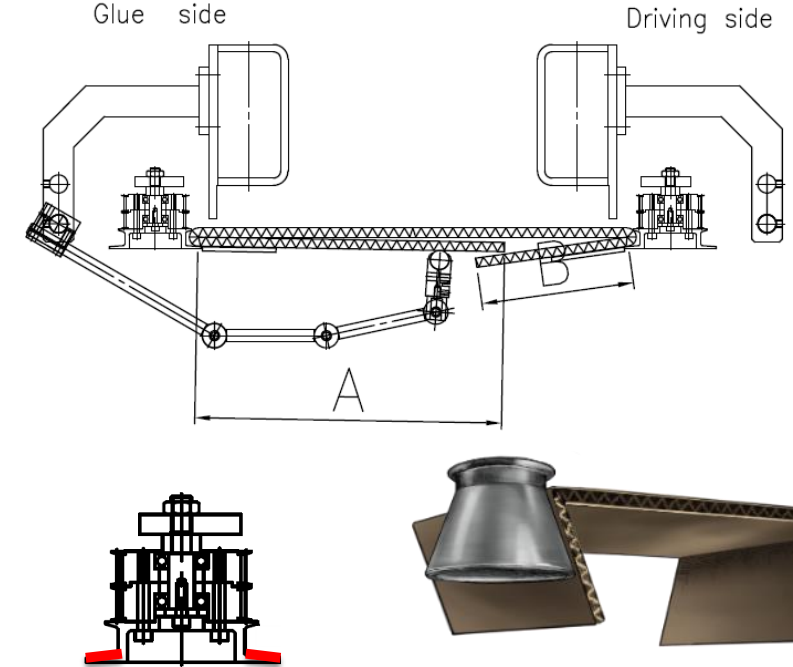
FOLDER GLUER SECTION



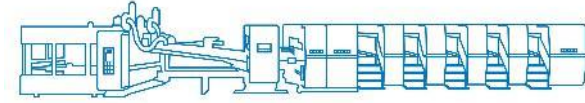
Side Guiding Wheel
can micro adjustment
for folding gap



Every Guiding Wheel is
designed for different
Angle



COUNTER EJECTOR SECTION



QS Servo Control System
for quick setting position
and smooth motion.

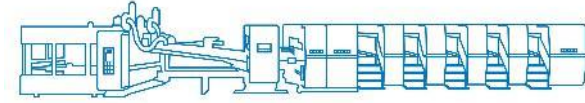
Top loading system for
receiving and stacking
boxes



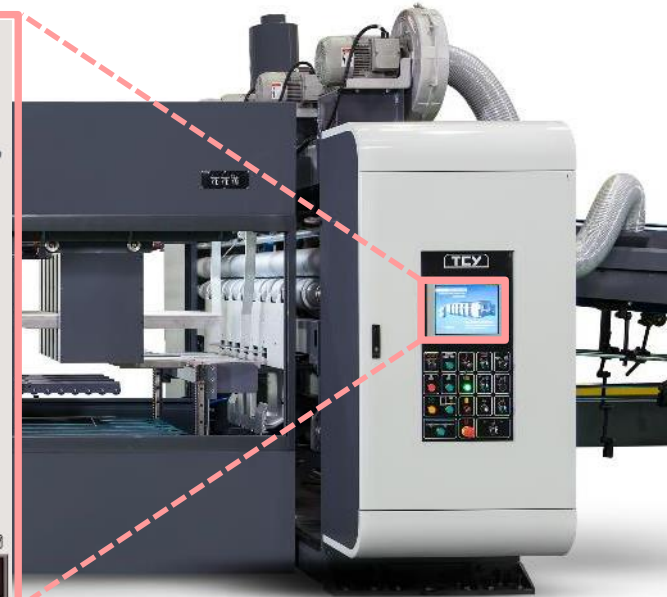
Full closed unit for
safety operation.

100% counting box
quantity and eject
bundle of boxes

NEW!! TCY QS SmartTech



- Easy, Fast & Fashion
- 3D Display
- Smart Order Memory



Machine
Axes
Control

Error
Proof

Order
Status

Speed
Control

Electrical
contacts
Monitor

Driver
Monitor

Dynamic
informati
on

Mainten
ance
System

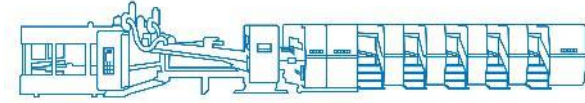
Efficiency

Safety

Multiple
Function

Quick
Port
Check

EASY MAINTENANCE DESIGN



- Remote connection service



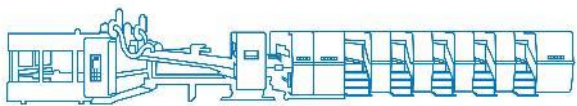
- TCY QS SmartTech
Troubleshoot Guidance



Maintenance
Request

- TCY QS SmartTech
Maintenance Reminder

SET UP TIME CHART



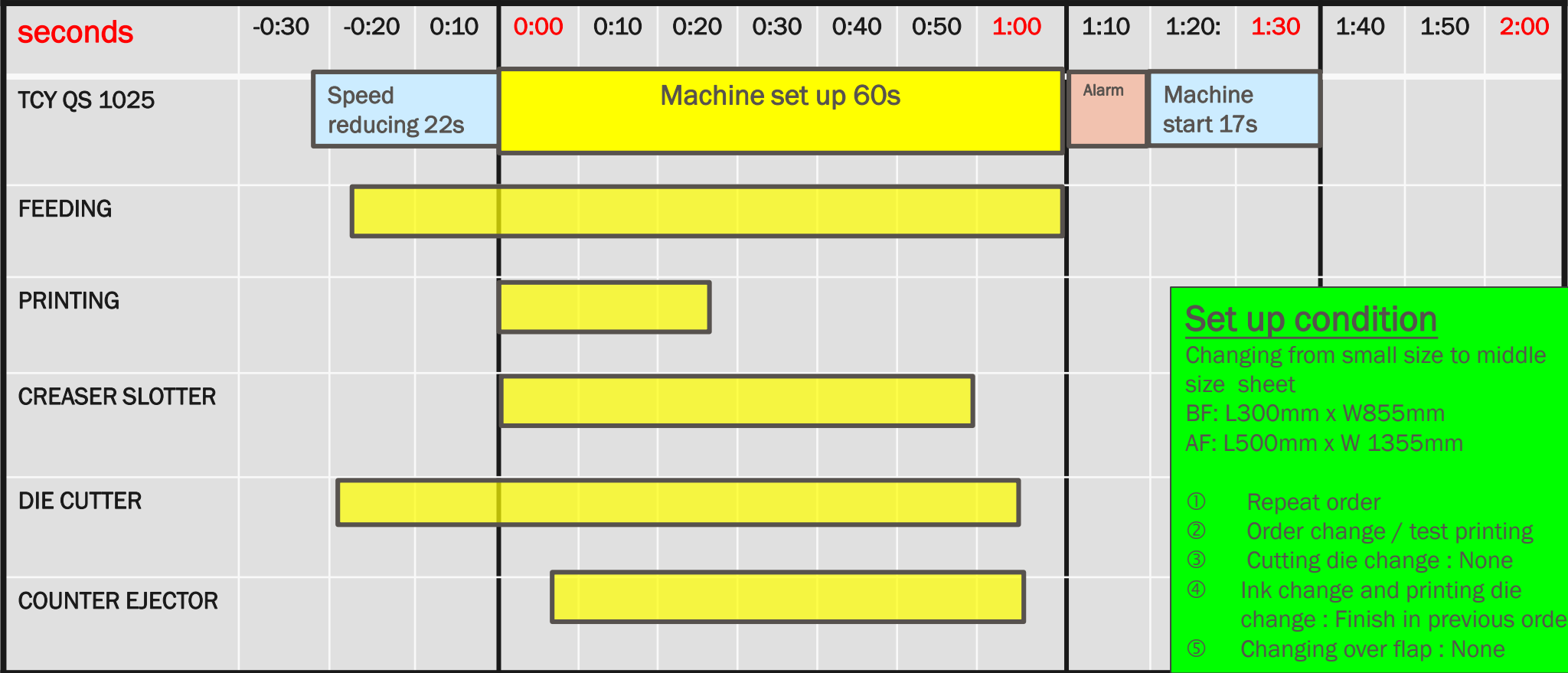
QS-1025 Production

Last sheet

Machine stop

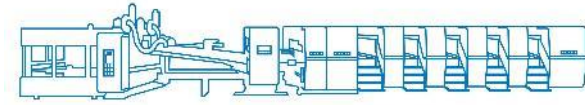
Machine running

Test print



Set up condition
Changing from small size to middle size sheet
BF: L300mm x W855mm
AF: L500mm x W 1355mm

- ① Repeat order
- ② Order change / test printing
- ③ Cutting die change : None
- ④ Ink change and printing die change : Finish in previous order
- ⑤ Changing over flap : None



Set up **2min** Operator **2persons**



QS SERIES

High Speed Flexo Folder Gluer

QS-618 : Output **24000** sheet/hr

QS-1025 : Output **21000** sheet/hr

QS-1227 : Output **15600** sheet/hr



A bright spotlight beam shines down from the top center of the frame, creating a circular pool of light on the dark background. The beam is wider at the top and tapers slightly as it descends.

TCY

TCY MACHINERY MFG. CO., LTD.