



Construction in modular design comprising the following units:

SUN AUTOMATION LEAD EDGE FEEDER
STANDARD BOTTOM FLEXO PRINT UNITS
MOTORISED DUAL SLOTTING UNIT
ROTARY DIE CUTTING UNIT
COMPUTER-SYSTEM

This machine can be fitted with an automatic prefeeder and stacker

working width:	3700 mm
max. sheet size without glue lap:	1600 x 3600 mm
max. sheet size with SKIP FEED:	2200 x 3600 mm
min. sheet size:	400 x 460 mm
max. width of glue lap:	50 mm
max. printing width:	3600 mm
max. die cutting width:	3600 mm
max. thickness of corrugated board with max. weight of 1750 g/m²	1,7 - 12 mm
max. mechanical speed:	about 10.000 sheets/hour

DETAILS SEE ENCLOSED DATA SHEET 1636 (bottom printing)

GENERAL TECHNICAL SPECIFICATIONS

- Heavy duty machine construction
- Fitted with standard parts from well-known suppliers
- Manufactured from high quality material and precision parts
- All motorised adjustments operated through Touch Screen
- Automatically Zero – positioning
- All motor reducers are located outside of the gear train
- Electrical components at the units are fitted in separate electrical cabinets
- All shafts and cylinders are chromed
- Drive gears use Modul 5
- Retaining clutches on all units to prevent the power gear train from turning when they are open
- Safety pull wires on all units
- Pneumatic locking devices at all units
- Independent drive motors at each unit for opening / closing the machine
- Automatic lubrication with visual control
- EURO THERM DC - Drive
- OMRON Touch Screen
- OMRON PLC
- Switches, Limit switches, relays, initiators from Telemecanique, Siemens, Omron
- Stand alone Central Computer with Touch Screen for computerised settings

SUN LEAD EDGE FEEDER

- SUN – EXTENDO Lead Edge Feeder with 4 rows feeding wheels
- Electronically controlled single sheet feeding
- Electronic changeover from standard feed to Skip-Feed operation
- Electrical variable stroke adjustment for different board height
- Variable adjustable suction power at the Lead Edge Feeder
- Digital display of machine speed with integrated sheet counter
- Wide suction area with adjustable chambers for different sheet width
- Big filter bags at the right hand side to clean the used suction air
- Motorised set-up of the side guides
- Integrated pneumatic side jogger at the left hand side
- Central manual set-up of board inlet gauge (feed gate)
- Motorised set-up of back stop in depth and height
- Flanged Feeding Shafts
- Dust cleaning system to clean the sheets through suction and integrated brushes
- Motorised Calliper setting of the feeding rolls
- Operation through Touch Screen located at the unit

STANDARD BOTTOM FLEXO PRINT UNIT

- **Bottom** print flexo printing
- Print system - rubber roll against chromed anilox roll
- Each flexo unit is fitted with anilox roll – ink rubber roll – stereo cylinder – counter impression roll – 1 pair of transport shafts
- Mounting of stereos by Matthew's fast lock system
- Standard height of stereo 6mm incl. of backing + / - 0,3mm, or according to customer's request
- Motorised circumferential set-up of stereo cylinder with two different speeds
- Motorised lateral adjustment of stereo cylinder + / - 10mm
- Register adjustment with reset after opening the units and readjustment of the stereo position
- Two foot pedals for the motorised circumferential adjustment of the stereo cylinder
- Individual and central adjustment of the stereo height
- Automatic raise and lower of the anilox roll
- Flanged stereo cylinder, anilox roll and ink rubber roll
- Ink circulation through pneumatically ARO – double diaphragm pump and ink filter
- Wash – up possible during production, when print unit is not in use
- Fast lateral positioning of pull collars through Quick Lock device
- Motorised setting of board calliper – impression roll and transport rolls

Optional:

- Laser engraved ceramic roll with 100 lines per cm as standard, or according to customer's specifications
- SUN Automation Chambered doctor blade system (excluding ink rubber roll)

MOTORISED DUAL SLOTTING UNIT

- In working direction; 1 pair pre crush- / creasing shafts, 1 pair slotting shafts, 1 pair creasing shaft, 1 pair slotting shaft
- Sideways movable central slotting boss to the right hand side in working direction
- Glue flap cutting - steel against steel
- Hollow ground serrated teeth slotting knives
- Standard knife width 10mm, or according to customer's specifications
- Strong supports and guiding plates to hold the creasing/slotting bosses stabile in line
- Side adjustment of the slotting bosses through spherical roller spindles and angle gear boxes
- Precise lateral setting of creasing/slotting bosses through soft drive before stop and start
- Slitting knife bosses 1:1 located at the last slotting shaft
- Motorised circumferential register of the slotting depth and box height
- Motorised setting of board calliper for creasing / slotting shafts
- Longitudinal waste conveyor belt

DIECUTTING UNIT

- For larger diecutting jobs, which cannot be carried out with hand hole equipment only
- Diecutting from the top ensuring perfect waste removal
- Flanged upper and lower diecutting cylinders
- Fixing of the diecutting form through M8 screws
- Hardened changeable M8 thread inserts in the diecutting cylinder
- Motorised circumferential set – up for diecutting cylinder in two different speeds
- Motorised lateral adjustment of the diecutting cylinder + / - 10mm

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- Oscillating counter diecutting cylinder
- Lateral oscillation of the counter diecutting cylinder
- diecutting anvils with quick lock junction for fast changes
- Two foot pedals for radial motorised adjustment of the diecutting cylinder
- Fast lateral positioning of pull collars through Quick Lock device
- Motorised setting of board calliper from the diecutting cylinder / transport shafts
- Longitudinal waste conveyor belt

Optional:

- IMG KLETT Synchro Drive with servo drive
- IMG KLETT grinding system
- One set upper and lower creasing bosses (*no quick lock device possible*)

STAND ALONE COMPUTER TERMINAL

- The computer system will set all motorised adjustments automatically and store them, which are specified in the upon description
- Automatic set up through computer are as follow:
All calliper settings – side guides at the feeder – all radial settings – all box sizes according to this machine's data sheet
- 15" colour touch screen
- Additional keyboard
- Status control system
- Remote control unit by modem available

PAINT:

KLETT light grey

The IMG Klett bottom printer slotter 1636 is delivered with the European safety certificate CE

ALL TECHNICAL DATA ARE SUBJECT TO MODIFICATION WITHOUT NOTICE