

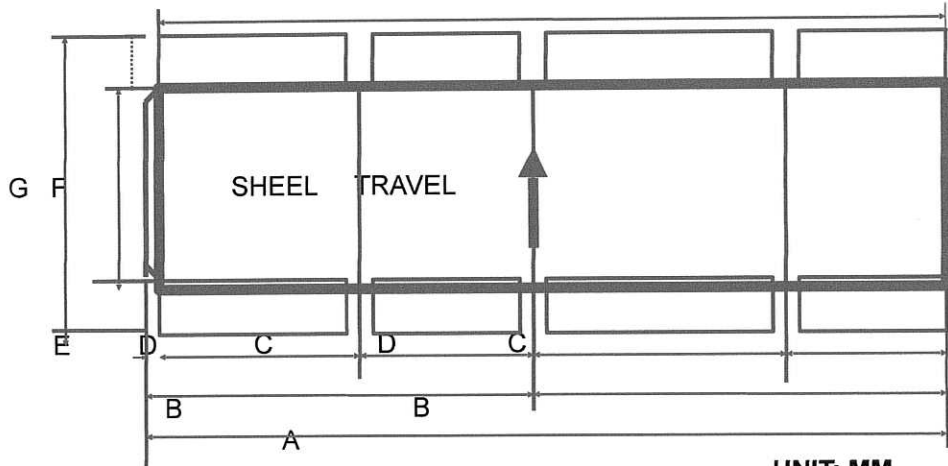


Latitude Machinery Corp.

NO. 154, SEC. 1, SHIN-HWA ROAD, SHIN-WU SHIANG
POST CODE 327, TAOYUAN HSIEN, TAIWAN

TEL: 886-3-4970929 (Hunting Line)
FAX: 886-3-4771099 or 886-3-4970101
E-Mail: sales@lmc.com.tw
Web site: WWW.LMC.COM.TW

FOR P660-FFG, SIZE: 660MM X 1800MM FLEXO FOLDER GLUER
(TOP PRINT/ BOTTOM VACUUM TRANSFER / BOTTOM FOLD)



UNIT: MM

MODEL NO		P660
MACHINE SIZE		660X1800
A FINISHED BLANK	MAX.	1800
	MIN.	340 [380]
B TWO PANELS	MAX.	881
	MIN.	170[185]
C SMALL PANEL (AT TRIM)	MAX.	771[780]
	MIN.	60[75]
D LARGE PANEL (AT GLUE LAP)	MAX.	820[780]
	MIN.	110[120]
E GLUE LAP WIDTH	MAX.	40
F GLUE LAP LENGTH	MIN.	0[80]
G SHEET WIDTH (STANDARD REGULARFEED)	MAX.	633
	MIN.	190[FG200]
G SHEET WIDTH(SKIP FEED)	MAX.	840[633]
H PRINTING SURFACE LENGTH	MAX.	1700



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SQUARE BOX	MAX.	440
	MIN.	110
MAX.MACHINESPEED (SHEET / MIN.)	FLEX O	350
	F.F.G	300

* [] FOR FOLDER GLUER SIZE
** MACHINE SPEED DEPENDS ON SHEET SIZES, ETC.
*** DIMENSIONS ARE APPROXIMATED. WE RESERVE THE RIGHT TO
CHANGE SPECIFICATIONS WITHOUT NOTICE.



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Technical Specification

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FOR P660-FFG, SIZE: 660MM X 1800MM FLEXO FOLDER GLUER
(TOP PRINT/BOTTOM FOLD)

GENERAL REMARKS

1. UNITS, RULES AND STANDARDS:

All the sizes, dimensions, weights, capacities are designed in metric system.
All machinery and equipment supplied by LMC will be designed and
manufactured as far as applicable in accordance LMC's practical standards.

2. PAINTING

Paint color: machine color is RAL9001 cream white color, otherwise specified
by customer.

3. ELECTRICAL DATAS:

*3-phase 400 – 415 volt 50-cycle for drive
24V D.C. for control.

4. EXCEPTIONS:

The following items shall be provided by customer.

- (1) Civil works and materials for foundation and erection to be prepared by buyer according to the drawings provided by the seller.
- (2) Electrical power supply wiring/cable and auxiliary apparatus to main drive cabinet.
- (3) Light and illumination and their wiring.
- (4) Air piping and parts to and from each machine and air compressor unit.
- (5) Water piping and parts to and from each machine.
- (6) Spare and consumable parts, and any other collateral materials and supplies.

5. Standard length of slotting knives are fitted on the machine as standard supply. Any special length of blades are at additional charges and not included in the scope of supply.



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MODEL: P660-FFG, SIZE: 660MM X 1800MM FLEXO FOLDER GLUER

GENERAL SPECIFICATION

- =====
1. Top printing for corrugated board, to be processed A, B, C, E and B/C, A/B flute.
 2. Max. machine design speed 300 sheets/min. depending on
sheet size, quality and etc.
 3. Number of printing color 3 color
 4. Standard printing die LMC's standard die height: 7mm
 5. Slotter knife thickness LMC's standard knife thickness: 7.5mm
 6. Corner (tap) knife thickness 5mm
 7. Slotter knife for glue tap 10mm
 8. Max. glue flap 40mm
 9. Slotting width x max. depth 7.5mm x 225mm
 10. Main power 40HP (30KW) AC motor for two to four
colors.
 11. Operation side Left side viewing from feeding section.
 12. Frame open/close is motored push button operated and air locked. Feeding unit is
locked onto the rail by air cylinders.
 13. Steel stay & cast iron frames and gear covers.
 14. Oil bath Gear lubrication. Lubrication oil is carried by main driven gear chains and
then pumped back from the last unit to the front units.
 15. All rolls and shafts is chrome plate finished.
 16. Side frames are using FC30 cast iron at 60mm width.
 17. Flexo units are separated away from a fixed folder gluer counter ejector.
 18. Heavy duty motor opening with alert alarm and safety key switch on
feed section. Machine will not run when units are opened.
 19. Long wearing hardened steel tracks base with leveling screws.



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20. Each unit is using pneumatic locking.
21. Main operator panel conveniently located at operator side includes control of radial registers, main drive stop-start, feed interrupt, and independent folder rail adjustment.
22. Sheet guides below board line at each pull roll and impression cylinder for guiding the leading edge of sheet into nip smoothly.
23. Main drive gear trains run in oil bath with pump at each section for pumping back the oil back to the feeder unit.
24. All push-buttons oil tight, Switzerland made.
25. All wrenches tool needed to setup and operate machine are supplied in machine tool box.
26. AC main drive motor supplier: TECO, TAIWAN.
27. Brand Electrical components:
(CUSTOMER WILL SPECIFY BRAND NAME OF ELECTRICAL PARTS.)

NO FUSE BREAKER:	FUJI / JAPAN or T.E./FRANCE
CIRCUIT BREAKER:	T.E. GROUPE SCHNEIDER/FRANCE
MAGNETIC SWITCH:	T.E. GROUPE SCHNEIDER/FRANCE
RELAY:	IDEC- HO CHUN ELECTRIC/JAPAN
LIMIT SWITCHES:	MATSUSHITA ELECTRIC/JAPAN
PHOTO SWITCH, SENSORS:	IDEC- HO CHUN ELECTRIC/JAPAN
PUSH BUTTONS AND SELECT SWITCHES:	T.E. GROUPE SCHNEIDER/FRANCE
PLC:	MITSUBISHI, JAPAN
PROXIMITY SWITCH :	JDIN / TAIWAN
AC INVERTER:	T.E. GROUPE SCHNEIDER/FRANCE
COUNTER, SPEED METER DISPLAY :	FOTEK/TAIWAN
POWER SUPPLY UNIT :	MEAN WELL/TAIWAN
TOUCH SCREEN DISPLAY :	YOSHIN/TAIWAN
28. Bearing brand: SKF or IKO or NTN or FAG or KOYO
29. Machine performance:
 - Register. Print to print accuracy: $\pm 0.5\text{mm}$.
 - Print and slot to feed lead edge accuracy: $\pm 1\text{mm}$.
 - Print to die cut accuracy: $\pm 0.5\text{mm}$.
 - Die cut to feed lead edge register accuracy: $\pm 1\text{mm}$ depending on machine speed.
 - Total register accuracy from feeder to die cutter: $\pm 1\text{mm}$.
 - The sheet warp tolerance must meet the quality requirement of the TAPPI/USA



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standard.

30. The following documents will be provided in 3 complete sets:

- All electric wiring diagrams and pneumatic circuit diagrams in English language.
- PLC descriptions in English, program key in English.
- Operator panel programs discs.
- All hydraulic diagrams.
- All inverter parameter lists.
- Mechanical and electrical spare parts manuals in English.



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TECHINICAL FEATURES

FEEDER UNIT ("SUN" Patent design of Extend-0-Feed) x 1 unit

1. Suction assisted lead edge feeder using Extend-0-Feed build under license from Sun Automation, USA.
2. Use 10HP Vacuum blower for feeding sheets.
3. The front stop, gap and feed roll gap are motorized adjustment with indication rule.
4. Backstop in / out position and up / down are motorized adjustment.
5. Side guides position is motorized adjustment with digital display.
6. Use USA original wheel treads for the wheel box.
7. Grate plate up / down operated with air cylinder for sheets feeding and interruption.
8. Iron stay, cast iron frame and gear cover.
9. Upper feed roll is covered with grooved rubber.
Outside diameter: 127mm hardness shore 35degree +- 2degree.
10. Lower feed roll, O.D.: 112.5mm, roulette and chrome plated.
11. Manual sheet feed interrupter by select switch control.
12. Motorized frames opening and closing device with safety two buttons to close machine units.
13. Frames locking device is operated by air cylinder.
14. The feeder unit is locked onto the rails by air pressure also pressed of all units to insure the stable running of the machine units.
15. Paper dust is removed by brush.
16. Motor mounting base and belt tension adjustment mechanism.
17. With auto zero set as standard supply.
18. Operator side and drive side guides are motorized adjustment.
19. Main motor 40HP(30KW) A-C motor with inverter control ----- 1 SET



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One to four color design machine.

20. Frame opening and closing motor use 1HP(0.75KW) motor ----- 1 SET



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TECHNICAL FEATURES

PRINTER UNIT (TOP PRINT)

1. Number of printing color: 1-6 color depends on the number of printer units quoted.
2. Printing cylinder 360-degree motorized running register, can be adjusted both during operation and still of machine.
3. Upper feed roll, shaft O.D.: 78mm, Pull collar O.D. 108mm use spring load quick lock device with chrome plate finished.
4. Lower feed roll shaft, O.D.: 112.5mm, grind and chrome plate finished.
5. Feed roll gap motorized adjustment with indication rule.
6. Grind finished printing cylinder O.D.: 225mm (including printing die thickness).
7. Printing cylinder lateral adjustment range: 16mm.
8. Impression roll O.D.: 225mm, steel pipe, surface grinded, hardened and chrome plated.
9. Micro impression roll gap adjuster with scale for accurate gap adjustment.
Ceramic coating / laser engraving Anilox roll O.D.: 162mm.
Cell count to be confirmed by customer.
11. Pneumatic anilox roll loading.
12. Anilox roll and printing cylinder gap adjuster with scale.
13. Use chamber blade system as standard supply. Chamber blade and containment blade running life is guaranteed for 3 months in 24 hours operation.
14. Anilox roll idling system when m/c is stop.
15. Ink circulation system with diaphragm ARO, U.S.A. ink pump, filter.
16. Low ink supply alarm device with ink sensor, machine will stop automatically while after alarm.
17. Frame opening close is motorized push button control the frame lock system is by pneumatic air cylinder locking system.
18. Auto zero set for printer unit.



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19. Running register brake motor 1/2 HP (0.4 HP). --- one set for one unit
20. Anilox roll idling motor 1/4HP(0.2KW) ----- one set for one unit
21. Printing cylinder and anilox roll gap motorized adjustment with indication rule.
22. Printing cylinder and impression roll gap motorized adjustment with indication rule.



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TECHNICAL FEATURES

SLOT-CREASE-SLOT (DUAL SLOTTER UNIT)

1. 360 degree motorized register (upper slotter) is provided for accurate slot job, both during operation and still off machine with scale indicator.
2. Rule indicator is provided on surface of slotter frame for head adjustment. First knife and rear knife position is illustrated at digital counter and these knives are moved to adjust box height.
3. Slotter heads, slit head and glue tap head lateral adjustment is motorized.
4. Four sets of upper combined yoked creaser-slotter heads and shafts.
Four(4) creaser-slotter heads per set, O.D.: 225mm, shaft O.D.: 120mm, chrome plated.
5. Four sets of lower combined yoked creaser-slotter heads and shafts.
Four (4) creaser-slotter heads per set. Lower creaser-slotter head O.D.: 211.5mm.
Lower creaser-slotter shaft O.D.: 120mm. with chrome plated.
6. Upper precreaser roll shaft O.D.: 78mm, precreaser roll O.D.: 108mm, all shafts and collar are with chrome plated.
7. Lower precreaser roll O.D.: 112.5mm, grind and chrome plated.
8. Lower creaser-slotter shaft adjuster gap adjustment is manual adjusted as standard supply.
9. Slotting knife thickness: standard knife thickness: 7.5mm
10. Corner (tap) knife thickness: 5mm.
11. Slotting knife for glue lap: 7.5mm
12. Central yoke head is fixed.
13. Auto zero set for slotter/creaser unit.
14. Slotter shafts gap motorized adjustment with indication rule.
15. Creaser shafts gap motorized adjustment with indication rule.



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- 16. Precreaser roll shaft gap motorized adjustment with indication rule.
- 17. Motor for yoke movement 1/2HP(0.4KW) gear motor ----- 4 SETS
- 18. Running register brake motor 1/2HP(0.4KW) motor ----- 2 SETS
- 19. Proximity safety switch for yoke heads movements to prevent the heads damages.



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TECHNICAL FEATURES

DIE CUTTER UNIT

1. Upper Feed roll shaft O.D.: 78mm, pull collar O.D.: 108mm.
2. Lower Feed roll O.D.: 112.5mm.
3. Die cutting drum O.D.: 181mm, has 100mm x 94.77mm equal hole spacing on the circumference for die mounting.
4. Knife height: 25.4mm.
5. Anvil drum O.D.: 208.76mm
6. Polyethylene anvil segment thickness: 11.43mm.
7. Cutting drum 360-degree running register.
8. Cutting drum lateral adjustment range: 20mm (1").
9. Anvil drum has a side oscillation device, range is 45mm.
10. With brush scraper.
11. Lower pull roll shaft and anvil drum is adjustable from adjustment dial with scale at the operation side.
12. Auto zero set for die cutter unit
13. Die Cut drum and anvil drum gap motorized adjustment is standard supply.
14. Running register brake motor 1/2HP (0.4KW) 1 SET
15. Feed roll gap motorized adjustment with indication rule.
16. Pull collar lateral motorized adjustment.
17. Include air gun installed on the slide rail on die cut unit for operator to mount the die easily.
18. Use M8 steel inserts on the die cut drum

TECHNICAL FEATURES



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FOLDER GLUER UNIT

1. Folding mechanism: 60mm width rough surface front lower folding belts, linked continuous folding arms. 50mm side folding belts.
Belt pressing roller, sheet support rolls and rolling former.
2. Gluing mechanism for inside and outside glue lap. Scrap brush out device.
3. Motorized folding lateral adjuster.
4. Folding belt driving pulley.
5. Lower belt pulley shaft adjuster.
6. Folding belts with vacuum.
7. Oscillation squaring plate and driving unit.
8. Folding frame lateral adjustment geared motor 2HP (1.5KW) ----- 1 SET
9. Gluing unit lateral control geared motor 1/2HP (0.4KW) ----- 1 SET
10. Folding belt drive motor 20HP (15KW) ----- 1 SET
11. Folding belt suction blower 5HP (3.75KW) ----- 2 SETS