

Thank you for your interest in **Little David** Case Formers by **Loveshaw**. here is your recently requested pricing for a Model **CF5** automatic bottom only case-forming machine.

The operator will adjust the machine to the length and width of the case to be processed via the easy adjustment scales. Next, the operator will open a knockdown case and place it into the cavity of the machine. The flaps will activate three (3) photo-eye sensors (*for safety purposes*) that will fold up the bottom minor flaps to horizontal. Once the minor flaps are folded, the minor flap folder arms will retract and the cylinders for the major flap folders will be activated to fold up the major flaps and hold them as the operator loads the case with product. Once the case is loaded with product the operator will push the case into the automatic case sealer where tape will be applied to the case. The **CF5** will then return to its home position to erect the next case. The **CF5** that we propose will accept your *RSC* or *HSC** style containers within the following dimensions:

	<u>Length</u>	<u>Width</u>	<u>Height</u>
Max:	26-1/2"	20"	INF
Min:	8"	5"	3"

* *HSC* Containers must be a minimum of 6" in height.

Production speed will be a direct result of operator efficiency and length of time necessary for packing.

Note: This is a budgetary proposal only. **Loveshaw** Engineering is requesting actual production samples with product for testing & evaluation. A new proposal with revised pricing & delivery may be generated after testing and evaluation is complete. It is understood that all cases to be processed will be new and of sound integrity. Damaged or ripped corrugated will inhibit the machine from erecting the case consistently and effectively.

It is understood that the knockdown cases to be erected must contain large enough die cut slots that are equally shared between the major and minor panel to ensure proper minor flap folding. In addition, all score lines must be deep scored or double scored where possible. Your corrugated supplier should be notified that their cases would be erected on automatic erecting equipment so that they can comply with these requirements. We will require a quantity of each box size to be processed on the erector for proper set up. Please refer to the attached specification sheet for details.

Terms:

Net 30 days.

Power Requirements:

110 VAC, 60 HZ, single phase, 2 Amps

Air Requirements:

3 scfm @ 50 psi

Weight (uncrated):

Approximately 325 lbs.

Installation:

Installation, training & service will be provided by the local distributor at prevailing rates.

Price Includes:

- Lubricationless
- Norgren valves
- slide & lock legs
- Bimba cylinders
- heavy duty construction
- two scales for easy box set up & changeover
- illuminated run mode indicator
- 110 volt, single-phase electric's
- can be operated from either side
- electronically controlled sequence
- GE NANO programmable controller
- **Little David** Case Sealer compatible
- 3 photo-eye sensor activation for safe operation
- 22-1/4" conveyor height adjustable up to 30"
- built in case holding device to hold case in place for easy loading
- powder-coated steel frame with stainless steel covers and contact points for wear and corrosion resistance
- attaches to any case sealer in the industry with optional mounting brackets

Price, FOB S. Canaan, PA. Freight Collect

(plus applicable sales, use, privilege or excise taxes and Federal, State or local, if any)

\$7,400.00

Optional Features:

Recommended spare parts kit	901.77
Permanently change conveyor height up to 38"	725.00
Casters	250.00
3 phase electric's	1,075.00
Air dryer	450.00
Mounting kit for: LD7D	250.00
(includes short LD7D side rails)	
LDU	250.00
Universal	250.00
LDX	250.00
LD3SB (w/3FF & extended drives)	375.00
NEMA 4 electric's	1,895.00
Custom paint	CF
Specific Brand PLC	CF
Stainless steel construction	CF

The delivery of this **CF5** machine can be made in approximately two (2) to four (4) weeks from the time a signed production order, actual production corrugated samples for testing and 50% down payment (if applicable) are received. **Loveshaw** requires an ample supply of production boxes plus product for testing prior to shipment. The end-user is responsible for shipping all corrugated cases to the **Loveshaw** facility. This quotation is valid for 60 days from date issued. Thank you for giving us the opportunity to bid for your business.



CF-5

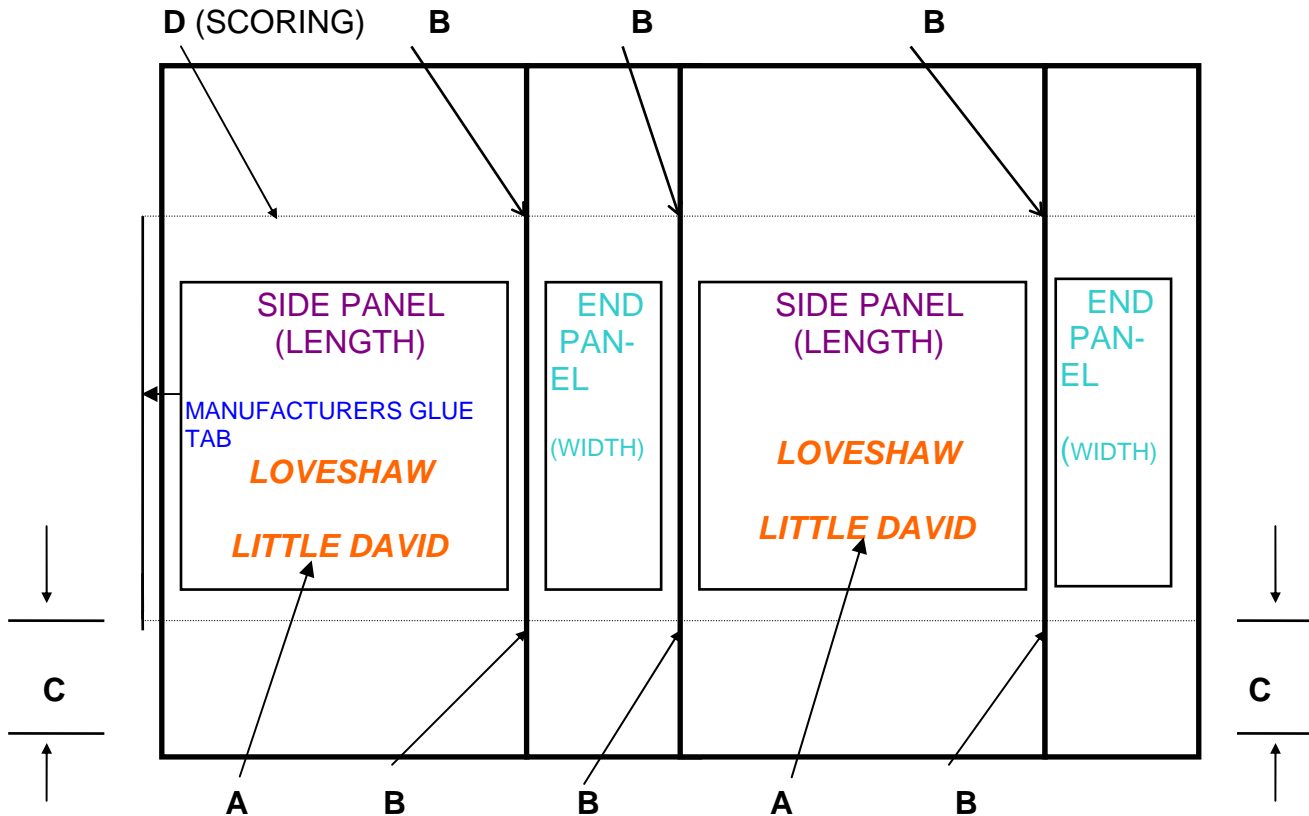
RECOMMENDED SPARE PARTS KIT FOR MODEL CF5

KIT PART # .REPKT-CF5

KIT LIST PRICE: \$901.77

PART #	QTY	DESCRIPTION	LIST PRICE
N402-88	1	3 WAY VALVE	\$ 142.71
N402-89	1	4 WAY VLVE	\$ 14.71
N402-88/C	2	CONNECTOR	\$ 70.72
A125SB-1/2-326	1	FUSE	\$ 5.87
A125SB-2/10-312	1	FUSE	\$ 7.06
A149-SA-4-B	1	BULB	\$ 9.88
N401-217	1	CYLINDER	\$ 98.77
N401-217/RS	1	MAGNETIC REED SWITCH	\$ 72.65
N401-216/5A	1	CYLINDER	\$ 71.10
N401-218	1	CYLINDER	\$ 130.38
N401-218/RS	1	MAGNETIC REED SWITCH	\$ 79.85
PFF-0044-3	2	ROLLER	\$ 60.06
X111-PS	2	KNIFE ARM SPRING	\$ 8.06
SPH-1215	2	RUBBER BUMPER	\$ 42.62
A219BA-3	2	PHOTOELECTRIC	\$ 357.98
			TOTAL
		PURCHASED SEPARATELY	\$ 1,172.42
		KIT LIST PRICE:	\$ 901.77
		SAVINGS	\$ 270.65

BLANK CONFIGURATION FOR STANDARD FOOT PRINT



RECOMMENDED CORRUGATED SPECIFICATIONS

- A) **THE PRINTING** SHOULD BE UPRIGHT ON THE **SIDE PANEL (LENGTH)** WITH THE **END PANEL (WIDTH)** ON THE LEFT SIDE WHEN BEING HANDLED IN A STANDARD FOOTPRINT VERTICAL CASE FORMER.
- B) SCORING AND SLOTS MUST LINE UP, ESPECIALLY AT THE MANUFACTURES JOINT. 3/8" RECOMMENDED SLOT WIDTH.
- C) THIS FLAP LENGTH IS TO BE MADE SHY CUT OR SCANT CUT SO THAT WHEN FLAPS ARE FOLDED, THERE IS 1/8" SPACE BETWEEN THEM.
- D) SCORING SHOULD BE MALE TO FEMALE WITH FEMALE ON THE INTERIOR SURFACE. POINT TO POINT SCORING IS ACCEPTABLE FOR SINGLE WALL CORRUGATED IF MALE TO FEMALE IS NOT READILY AVAILABLE.
- E) **MANUFACTURES GLUE TAB** SHOULD NOT EXCEED THE HORIZONTAL SCORE LINES. I.E.: NOT ON THE BOTTOM FLAPS.



Case Former

CF5- Semi Automatic

Case Forming for the Real World

This former is perfect for use with your existing case sealers.

Little David delivers packaging equipment that works for you



Little David CF5

The CF5 offers:

- PLC driven
- Slide and lock legs
- Large box range
- No lubrication required
- Ergonomic design
- Heavy duty steel construction
- Works with virtually any sealer

The CF5 replaces:

- Air logic driven box formers
- Expensive labor
- Hand erecting boxes

LITTLE DAVID

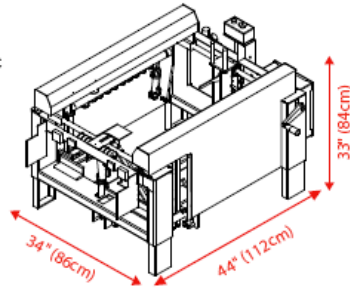


www.loveshaw.com

CF5

Dimensions:

☑ CF5 Semi-Automatic



Additional Case Former Models:

☑ Also Available: SP-304

- 10 cases/min depending on operator dexterity
- ☐ Case Dimensions:
 - Length: 6" - 24" (152mm - 610mm) ☐
 - Width: 4.5" - 20" (114mm - 508mm) ☐
 - Height: 4.5" - 24" (114mm - 610mm) ☐



☑ Also Available: CF-20T

- 6 cases/min
- ☐ Case Dimensions:
 - Length: 6" - 16" (152mm - 406mm) ☐
 - Width: 6" - 12" (152mm - 305mm) ☐
 - Height: 4" - 12" (105mm - 305mm) ☐



Specifications of the CF5:

Power Requirements:

- 110 VAC, 60Hz, single phase, 2 Amps
- ☐ Note: Other voltages available. Contact Loveshaw for details.

Air Requirements:

- 6.5 SCFM

Production Rate:

- Up to 6 cases per minute, depending on operator dexterity

Case Dimensions:

Length:	8" - 25" ☐	203mm - 635mm
Width:	5.5" - 20" ☐	140mm - 508mm
Height:	3.5" - infinite	89mm - infinite

Features of the CF5:

- Plug in operation
- Minimal operator training required
- Alleviates twisting motion known to cause carpal tunnel syndrome
- Slide and lock legs
- PLC driven
- No lubrication required

Options of the CF5

- ☐ Spare parts kit
- ☐ Special electrics
- ☐ Custom color
- ☐ Casters

Distributor Information:

LOVESHAW
an ITW Company

2206 Easton Turnpike
P.O. Box 83
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(800) 572-3434

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