MODEL ATFUX22-3

SEMI-AUTOMATIC UNIFORM CARTON SEALER

Version 1.6

OPERATION AND PARTS MANUAL READ ALL INSTRUCTIONS BEFORE OPERATING THIS MACHINE

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Automatic Top and Bottom Drive Fruit Box Machine (ATFUX)Our Commitment

We Value Our Customers

This is the BestPack® Packaging Systems equipment you ordered customized to meet your needs. This quality machine has been set up and tested successfully in the factory with brand name tapes to ensure your highest level of satisfaction.

If problems do occur when operating this equipment, please refer to the Troubleshooting section of this manual for help. If this does not resolve the problem and you need a service call or phone consultation, reference the Customer Service Section of this manual for contact information. Remember to lockout all energy sources (i.e. power down and shut off air supply) and release stored energy prior to servicing or moving the machine to prevent injury.

Replacement Parts, Order Form, Warranty Guidelines, and Warranty Registration

Please take note of the following important items in this manual:

- Recommended replacements parts suggested to keep on hand to minimize downtime
- Troubleshooting section listing the most common causes and simple solutions
- Customer Service Information provided for your support
- Parts Order Form for your convenience
- BestPack® 1-Year Warranty Program and Guidelines
- Warranty Registration Form to activate your warranty

We ask that you fill out the Registration Form provided at the back of this manual and send it in to activate your warranty.

FUTURE COMMODITIES INTERNATIONAL, INC.
BESTPACK® PACKAGING SYSTEMS
10676 FULTON COURT
RANCHO CUCAMONGA, CA 91730-4848

OWNER'S SAFETY RESPONSIBILITY

Owners and operators of the MSD22 carton sealer are responsible for maintaining an effective safety program. This program should be consistent with good management practices and meet all requirements of applicable laws, regulations, and ordinances. Employees must be aware of and trained to recognize the specific requirements, precautions, and hazards of the sealing machines.

SAFETY AWARENESS

Careful machine operation is the key to safe job performance. Reasonable care and good judgment in machine operation contribute to operator safety and safety of others. Failure to follow simple safety rules and precautions may result in an accident. Always be aware of what is going on in the work area. Recognize hazardous situations before they become an accident.

HAZARD COMMUNICATION STATEMENT AND PRECAUTIONS

Four indicator signal words appear throughout this manual to call your attention to special information, operating procedures, and safety precautions as described below.

NOTE: This indicator draws emphasis to special information about

equipment operation and maintenance procedures.

IMPORTANT: This indicator specifies special instructions or procedures meant

to prevent damage to the equipment, associated components, or

products.

▲ CAUTION: This indicator signals hazards or unsafe practices that could result in

minor personal injury or property damage.

▲ WARNING: To prevent accidental start-up and personal injury during routine

maintenance or when troubleshooting problems, always turn off the power to the machine first. Then disconnect the machine's electrical and compressed air lines from the main supply, and release all stored energy

before commencing work. If the power is not turned off, accidental

startup could result in injury.

▲ DANGER: This indicator signals hazards or unsafe practices that could result in

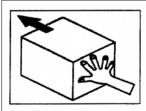
severe personal injury or death, if the instructions are not followed.

SAFETY PROCEDURES

- 1. Operators should read this manual prior to operating or making any adjustments on the machine.
- 2. Make sure machine power is turned off during the setup procedure while making adjustments to the machine. Be careful with the driving direction of the conveyer.
- 3. Machine should not be washed down or subjected to conditions causing moisture condensation on components and should be used in a dry, relatively clean environment at 40 to 105 degrees Fahrenheit with dry boxes.
- 4. To enhance safety, operators should be alert at all times while operating the machine. When packing products with toxic powders or chemicals, make sure packing area has good ventilation.
- 5. Remember to lockout all energy sources (i.e. power down and shut off air supply) and release stored energy prior to servicing or moving the machine to prevent injury.

CAUTION LABELS

- 1. This label shows the entry point of the boxes. [Fig 1-1]
- 2. This label shows the direction of the crank handle. [Fig 1-2]
- 3. This label shows that that this area contains electrical components. Only authorized personnel are allowed to access these components. [Fig 1-3]
- 4. Warning label cautions to keep hands out of this area due to a moving part. [Fig 1-4]
- 5. Warning label cautions potential electrical shock. Unplug power before servicing the machine. [Fig 1-5]
- 6. Warning label cautions to keep hands out of this area because it contains a sharp knife. [Fig 1-6]



DOWN

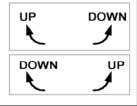




Fig 1-2









Fig 1-3 Fig 1-4 Fig 1-5 Fig 1-6

Automatic Top and Bottom Drive Fruit Box Machine (ATFUX)Safety

EQUIPMENT SAFETY

- 1. Do not alter, deface, or remove factory installed information signs that are attached to the equipment. If an information sign is damaged, replace it as soon as possible.
- 2. Never climb or work on equipment while it is operating nor allow anyone else.
- Inspect all equipment components before each operation shift for damaged parts or parts suspected of sustaining damage. Repair or replace any damaged or defective components before starting or operating the equipment.
- 4. Before starting or operating equipment, perform a walk-around inspection of the workplace and the equipment. Make sure that no workers, tools, parts, or foreign objects are in, on, under, or around the equipment.
- 5. Do not operate equipment if safety gates are not in place. Check safety gates and other safety devices for proper installation and safe working condition.
- 6. Before starting equipment make sure that all personnel or visitors know that the equipment is going to be started.
- 7. When starting equipment, follow the manufacturer's recommended starting sequence.
- 8. Do not allow anyone to start or operate any equipment unless they have been trained in safe operating procedures.
- 9. Never leave equipment controls unattended. Either have a qualified operator relieve you or turn equipment off if you must leave your workstation.
- 10. When starting up equipment and while equipment is operating, be alert for improper readings, visual defects, abnormal odors, or unusual noises. These can be an indication of an equipment problem or warning of a possible hazard. At the onset of any of these conditions, immediately shut down the machinery following proper shutdown procedures.
- 11. Do NOT inspect, maintain, adjust, repair, or move the equipment until LOCKOUT procedures are implemented by trained, authorized personnel in accordance with state and federal laws. Authorized persons must shut down the power supply, shut down all energy sources, block moving parts, and release all stored energy to prevent injury.
- 12. Perform all equipment inspection, maintenance, lubrication, and adjustment procedures with caution and comply with manufacturer's recommended procedures.

ELECTRICAL SAFETY

- 1. Allow only qualified electricians or electronic technicians to work on electrical components or controls.
- 2. Always assume that an electrical circuit is "live" until proven otherwise by proper testing conducted by an authorized person.
- 3. Repair or replace frayed, cut, broken, or damaged electrical wires, cables, and connectors.
- 4. Check that electrical ground wires, motor plugs, and power cable connections are properly and securely connected before starting any equipment.
- 5. Know all locations of main electrical shut-off boxes in case of an emergency.



MACHINE DESCRIPTION & FEATURES



The BestPack® ATFUX Series carton sealer is an operator free carton sealing machine, using pressure sensitive tape, designed to cater to heavy duty needs of packing houses using HSC cartons. Great for use in packaging oranges, potatoes, or apples.

All systems incorporate our exclusive pop out pressure sensitive "High Speed" tape heads with patented tab adjusment.

Major Features:

- Self Centering Guide Rails
- Adjustable Compression Rollers
- Width/Height Adjustment on either side of machine
- Drive Belts are Equipped w/ a "V" Guide
- Tape Roll Lengths: 1000 vd., 1500 vd., 2000 vd.
- Heavy Duty Frame
- UL Approved Electrical Parts
- Capable of Interchanging 2" or 3" Tape Heads

Sealer includes four stations:

- An indexer station
- A positive outer sleeve lifter station with shaker, to assure proper squaring of the top flaps before entering the flap folding station
- A flap fold station closes the top flaps
- A final station seals the top and bottom flaps leaving the top and bottom flaps sealed but not tabbed together



Automatic Top and Bottom Drive Fruit Box Machine (ATFUX)

Machine Overview

major features

- Dual Top and Bottom Belts
 - Equipped with "V" Guide for positive tracking and longer belt life
 - o Idler Rollers behind belts reduce friction
 - Changed quickly and easily, reducing downtime
- Built in Indexer
 - o Properly spaces carton feeding into sealers
- Adjustable Bed Height 24.5" to 31.25"
- Width/Height Adjustment either side of machine
- Top Compression Unit
 - o Compresses top major flaps together
 - o Aligns each box for precise tape positioning
 - o Ensures a tight, secure seal
- Manual Adjusting Dual Side Guides
- Removable/Interchangeable Top/BottomTape Heads
 - o 2" or 3" tape heads are possible
 - o Lifts out easily/threads easily; No tools required
 - o Minimizes downtime due to faster roll changes
 - o Tape roll lengths: 1000 yd., 1500 yd., 2000 yd.
- Tape Tab Length Adjustment
 - o Adjusts from 2 3/8" to 3"
 - o No additional parts required
 - o Changes can be made in minutes

- Tape Tension Adjustment Knob
 - o Prevents tape overrun
 - o Provides a more consistent tape application
 - Tension Optimizing Armo
 - o Smooth, consistent unwind
 - o Minimizes unwind noise
 - o Reduces the amount of tension adjustment required for optimum performance
 - o Capable of running all adhesives
 - Reduces possibility of tape stretching and breaking
- Brush Wipe Down System
 - o Positively wipes tape overlap to bottom side of box and is removable
- Designed for Uniform Applications
- Heavy Duty Frame; UL Approved Electrical Parts
- Electrical ON/OFF box can be mounted on either side of machine

standard features

- Exclusive Pop-out pressure sensitive "high speed" tape head with patented tab adjustment and noise reduction arm
- Tool Kit
- · Easy to thread tape heads
- Operation Manual

optional features

Stainless Steel

machine specifications

- Power Requirements: 220 Volts 60 Hz, 3 Phase, 20 Amps, 10:1 Ratio, 1/5 hp
- Air Requirements: 90PSI, 8CFMSpeed: Up to 38 cartons/minute
- Tape Head: Standard: 2", Available: 3"
- Shipping Weight: 1,098



Automatic Top and Bottom Drive Fruit Box Machine (ATFUX) Machine Overview

carton specifications

Style: 1 Piece, Regular Slotted Container (RSC) Construction: 125 to 300 Single or Double Wall

Content Weight: 4 lb. to 95 lb.

operating conditions

- Use in a dry, relatively clean environment at 40° to 105° Fahrenheit (5 to 40 Celsius) with dry boxes.
- Machine should not be washed down or subjected to conditions causing moisture condensation on components and should be used in a dry, relatively clean environment at 40 to 105 degrees Fahrenheit with dry boxes.

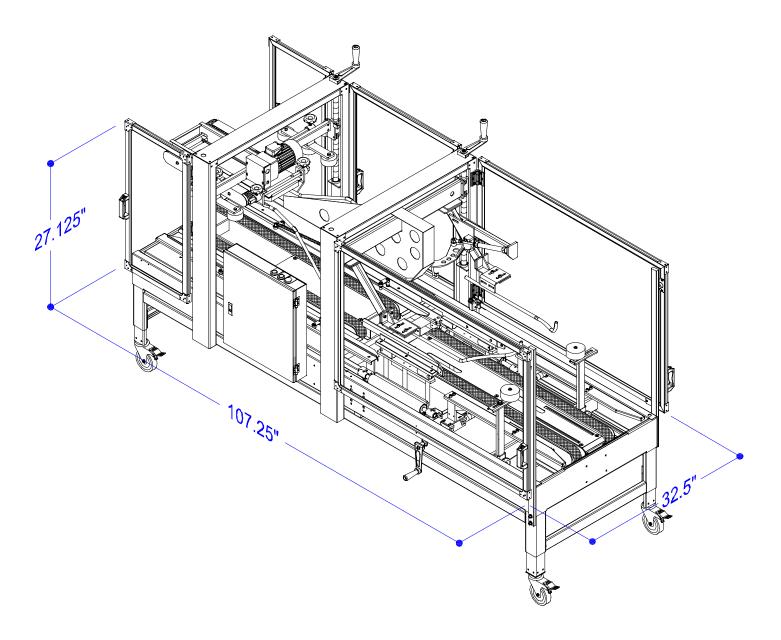
series comparison table

Model	Machine Size	Carton Range	Cartons/Min.	Shipping Weight (lbs.)
ATFXU22-2 2" TapeHead	107.25" x 32.5" x 55.0"	(16.0"-20.0") x (10.5" - 15.3") x (5.5" - 14.5")	Up to 38	1,098
ATFXU22-3 3" TapeHead	107.25" x 32.5" x 55.0"	(16.0"-20.0") x (10.5" - 15.3") x (5.5" - 14.5")	Up to 38	1,098

^{*} All specifications capable of customization



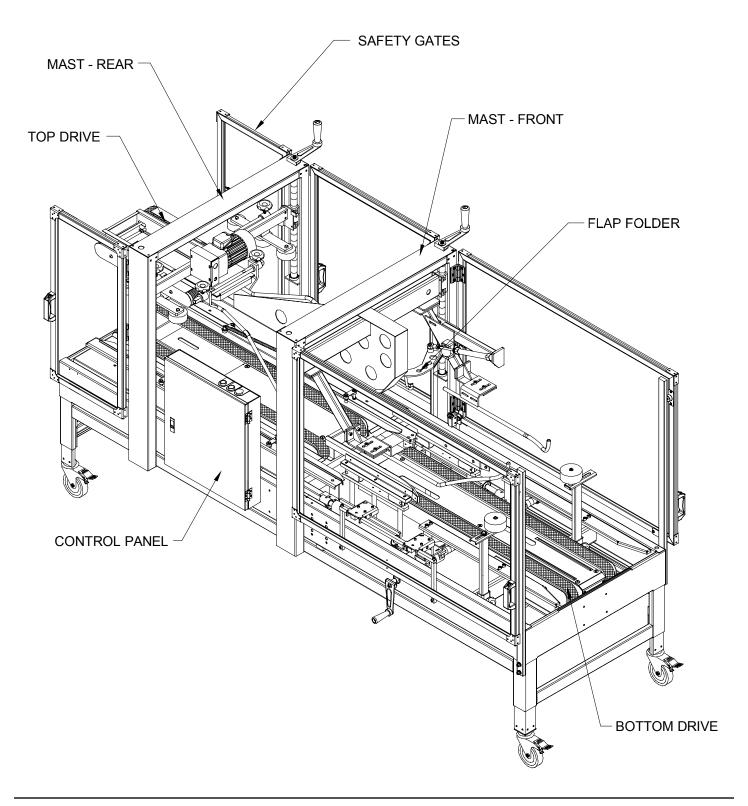
MACHINE DIMENSIONS



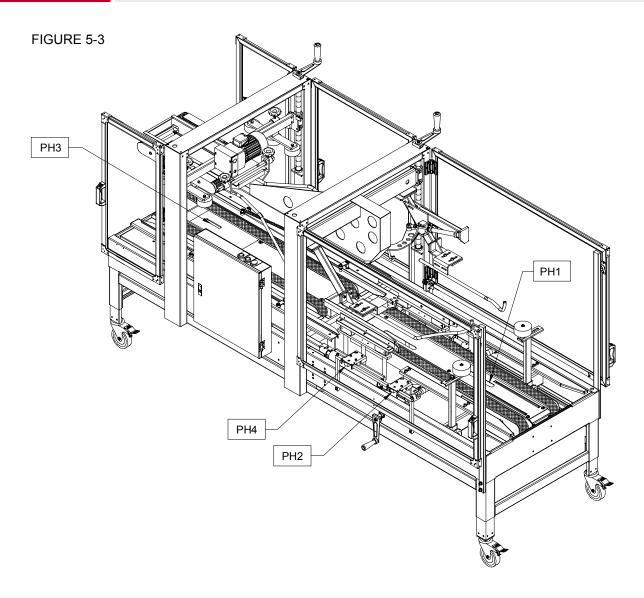
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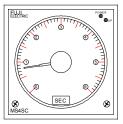


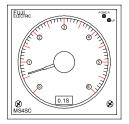
MAJOR COMPONENTS



Automatic Top and Bottom Drive Fruit Box Machine (ATFUX)Timer Settings













TIMER 2

TIMER 3

TIMER 4

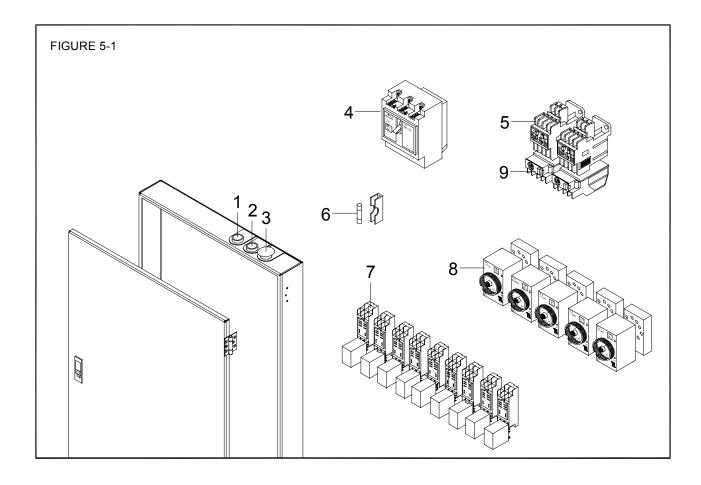
TIMER 5

TIMER 6

TIMER SETTINGS GUIDE

COMPONENTS	DEVICE	RANGE/ SETTINGS	FUNCTIONS	REMARKS
PHOTO EYE	PH1,PH2	POSITION	CONTROLS BOX STOPPER AND INDEXER	POSITION PH1 IN COMBINATION WITH PH2. SO THAT IF BOTH ARE TRIGGERED, BOX STOPPER AND INDEXER WILL GO UP AT SAME TIME
	PH2		MINOR FLAP ARM	POSITION PH2 TO SENSE THE TRAILING BOX EDGE AND TRIGGER THE REAR MINOR FLAP KICKER
PHOTO EYE	PH3	POSITION	CONTROLS BOX LIFTER GUIDE	PASSING PH2 AND ENERGIZING PH3 TRIGGERS BOX LIFTER GUIDE TO UP POSITION
TIMER	T2	1.5 (SEC)	DELAY BETWEEN LIFTERS AND VIBRATION	SETTINGS DETERMINES DELAY THE RAISED LIFTERS AND BEGINNING OF VIBRATION TO FREE A STUCK CARTON. TIMER IS INITIATED AFTER PH3 IS TRIGGERED AND CANCELLED BY PH4 . SETTING SHOULD OCCUR VERY SOON AFTER LIFTERS ARE RAISED TO ENSURE THE BEST PRODUCTION RATE
TIMER	Т3	1 (.1 SEC)	LIFTER VIBRATION FREQUENCY	DETERMINES THE UP AND DOWN AMPLITUDE (VIBRATION HEIGHT AND FREQUENCY) OF LIFTER AND SET FOR APPROXIMATELY 1/2" OR LESS AMPLITUDE (LIFT AND DROP) DURING VIBRATION. TOO HIGH SETTINGS WILL ALSO SHAKE THE SEALING MECHANISM UNNECESSARILY
TIMER	T4	3 (SEC)	SHAKE DURATION	SETTINGS DETERMINES HOW LONG SHAKING OCCURS (STUCK CARTONS) BEFORE MACHINE SHUTS OFF
TIMER	T5	0 (SEC)	INDEXER RESET	SETTINGS DETERMINES DELAY AFTER PH4 LIFTERS TO DOWN POSITION
			MINORELAR	OFTINOS DETERMINES DEL AV ASTES
TIMER	Т6	0 (SEC)	MINOR FLAP KICKER	PH4 MINOR ARM TO UP POSITION

ATFUX11-3H ELECTRICAL BOX

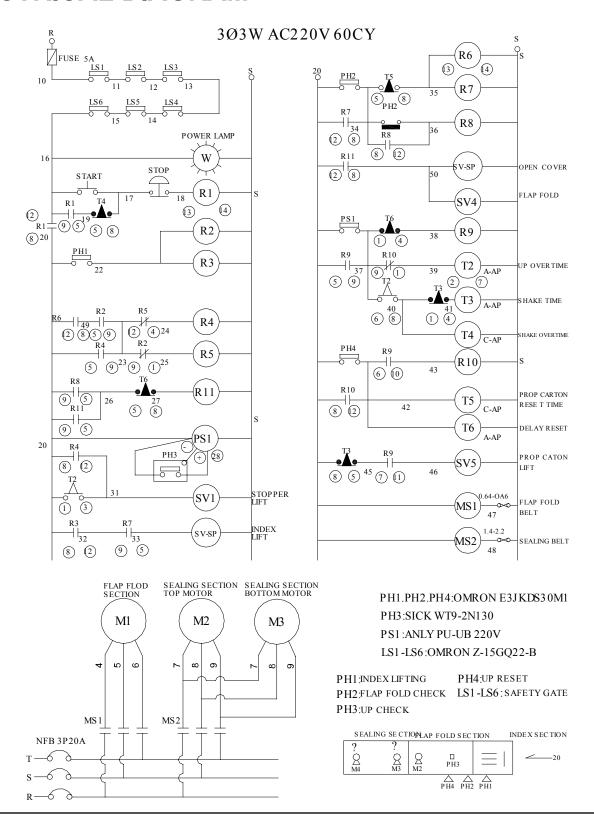


- 1. Power Light Indicates system is plugged in and turned on.
- 2. Start Button Starts system and activates electrical and pneumatics.
- 3. Stop Button Shuts system off.
- 4. Circuit Breaker Overload protection device.
- 5. Motor Starter Activates electrical power to motors and overload protection device.
- 6. Fuse Overload protection device.
- 7. Relay Electromechanical switching device in a circuit for motor and cylinder sensors.
- 8. Timer Time delay timers to control indexers feeding, flap folding, vibration and frequency of the lifters.
- 9. Thermal Overload Control device to protect the motor from the motor from destroying itself under an overload situation.

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ELECTRICAL DIAGRAM



INSTALLATION CHECKLIST

Power: 1PH 110/220vac 50/60Hz or 3PH 220VAC 50/60Hz

Voltage fluctuation range: 95% - 105%

Temperature: 40 degrees to 105 degrees Fahrenheit

Relative humidity: 30% to 80% RH Noise Level: 70 DECIBELS

MACHINE PACKING

The machine is secured on a pallet, wrapped with bubble wrap, covered with double wall corrugated box, then secured onto the pallet with two plastic straps.

UNCRATING PROCEDURES

- 1. Position the crate in a large, uncluttered area to unpack the machine.
- 2. Lift and remove the corrugated box.
- 3. Remove the bubble wrap.
- 4. Remove the shipping anchors on the four legs.
- 5. Lift the machine from the pallet using properly rated cord.
- 6. If the casters are attached, the machine can be moved manually and rolled to the proper location.

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SETUP PROCEDURE

It is important that the ATFUX series be setup and operated with the product prior to being subjected to the production environment where time for setup, adjustment, and operator training is usually limited.

CAUTION: Make sure machine power is turned off. Be careful with the driving direction of the conveyer.

HEIGHT ADJUSTMENT: Once both tape heads are loaded with tape, the upper tape head can be positioned for the box height being sealed by means of the height adjustment crank. Turn (H) clockwise to decrease height or counter-clockwise to increase height. [Fig 2-1]

BOX SIZE SETUP: Place a closed box under the top drive frame. Lower the frame until all flaps are fully closed. Align the box top flap center seam with the center of the frame. [Fig 2-2]

FIGURE 2-1

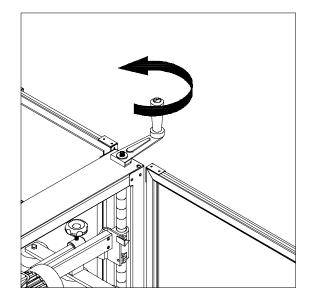
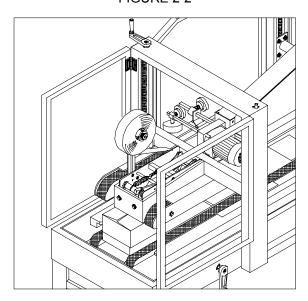


FIGURE 2-2





Automatic Top and Bottom Drive Fruit Box Machine (ATFUX)Installation/Setup

WIDTH ADJUSTMENT CRANK: Turn the handle (W) clockwise for narrow and smaller packages; turn the handle counter-clockwise for wider and larger packages. [Fig 2-3]

COMPRESSION ROLLERS: Adjust the compression rollers against the top edge of the box and tighten the knobs to secure them in the operating position. [Fig 2-4]

FRAME ADJUSTMENT: Turn electrical switch to the "ON" position to start the drive belts. Move the box forward under the top tape head frame until taken away by the drive belts. If the box is hard to move or is crushed, raise the frame slightly to decrease pressure. If the box movement is erratic or stops under the frame, lower the frame slightly to add more pressure between the box and the drive belts.



CAUTION: If drive belts are allowed to slip on the box. Excessive belt wear will occur.

FIGURE 2-3

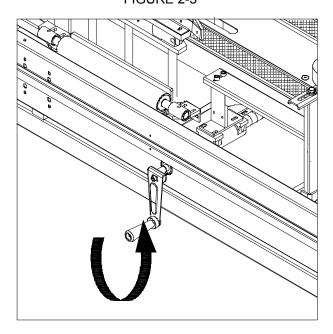
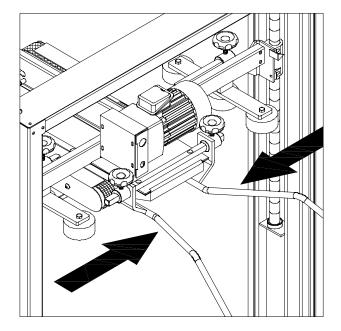


FIGURE 2-4





Automatic Top and Bottom Drive Fruit Box Machine (ATFUX)Installation/Setup

FIG. 9-4

CHANGING BELTS:

- 1. Use 10mm open wrench to removed screw **B** on belt cover **A**.
- 2. Use 10mm open wrench to loosen screw **C** until belts are loose.
- 3. Remove belt by pulling toward C.
- 4. Replace belts by following the reverse procedure.

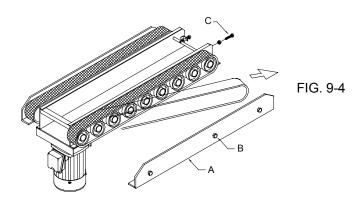
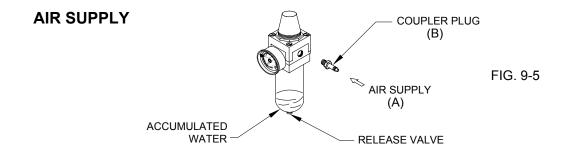


FIG. 9-5

AIR INSTALLATION:

- 1. Air flush the piping before installation.
- 2. Using piping adaptors will ease installation.
- 3. Polycarbonate bowls may be damage and possibly fail if exposed to sysnthetic oils, thinner solvents. If used aboved atmosphere use metal bowl.
- 4. Water builds up in polycarbonate bowls overtime, release the walve to drain.
- 5. Main regulator valve should be in upright position always.
- 6. Attached the main air supply sourse to coupler plug in main air regulator.



DAILY PREVENTATIVE MAINTENANCE

Two-Minute Maintenance (after every shift)

In order to maintain your BestPack® carton sealer in top operating condition, please take two minutes after every shift change to perform the following maintenance procedure.

1. Clean the Machine

a. Blow the machine down with dry air paying special attention to all moving parts.

2. Clean the Blade

- a. Wipe down the cutting blades with a clean rag making sure to remove any glue and plastic film that may have adhered to the blade.
 - (i) For stubborn accumulation, spray some solvent; i.e., WD-40 or Zylene, onto a rag to wipe the blade clean.

CAUTION! Do NOT get WD-40 on the rubber rollers. Do NOT use any hard objects to scrape accumulation from the blade as it could damage the blade.

- b. Wipe a thin layer of Vaseline onto the blade as your last cleaning step.
- 3. Water Reservoir (applicable if the machine uses air)
 - If your carton sealer uses air, check for moisture build-up in the water reservoir.
 - b. If there is water in the reservoir, bleed off any moisture that has accumulated in the water reservoir of the air regulator by pushing the button located at the bottom of the glass container on the main regulator.

IMPORTANT SAFETY REMINDER! Remember to lockout all energy sources (i.e. power down and shut off air supply) and release stored energy prior to servicing or moving the machine to prevent injury

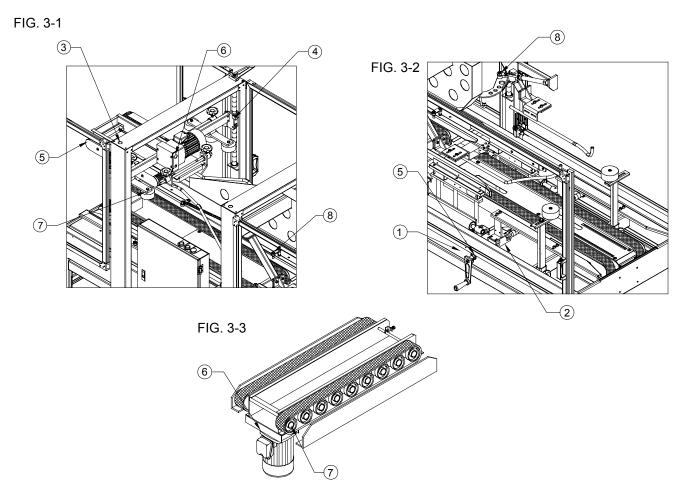
Automatic Top and Bottom Drive Fruit Box Machine (ATFUX) *Machine Maintenance*

LUBRICATION



It is important to lubricate all moving parts on the machine to keep it in top operating condition. Lubricate the following areas with grease or oil (as indicated) every two months.

INDICATED GREASE POINTS



LUBRICATE THE FOLLOWING:

1.	Chain drive mechanism for width adjustment.	GREASE	[Fig 3-2]
2.	Spindle screw mechanism for width adjustment.	GREASE	[Fig 3-2]
3.	Chain drive mechanism for height adjustment.	GREASE	[Fig 3-1]
4.	Slide mechanism for height adjustment.	GREASE	[Fig 3-1]
5.	Sprocket for spindle screw mechanism for width adjustment.	OIL	[Fig 3-2]
6.	Drive mechanism for drive motor.	GREASE	[Fig 3-1]
7.	Drive and Idler pulleys for belt drive assembly.	OIL	[Fig 3-3]
8.	Pivot shafts	OIL	[Fig 3-1]

Automatic Top and Bottom Drive Fruit Box Machine (ATFUX) *Troubleshooting*

TROUBLESHOOTING

Review SETUP PROCEDURE to ensure setup is correct. If correct, the troubleshooting chart below lists possible problems, causes, corrections, and reference guide.

* Denotes to reference your tape head manual

PROBLEM	POSSIBLE CAUSES	CORRECTION
Drive belts do not convey boxes	Narrow boxes	Check machine specifications. Boxes are narrower than recommended causing slippage and premature belt wear.
	Worn drive belts	Replace drive belts
	Top flap compression rollers in too tight	Readjust compression rollers
	Top tape head does not apply enough pressure	Adjust the box height adjustment with the crank
2. Drive belts do not turn	Worn bearings, gears, or driving shaft	Replace ball bearing, gears, or driving shaft
	Drive belt tension too loose	Adjust belt tension screw
	Electrical disconnect	Check power and electrical plug
	Motor not running	Check the fuse, capacitor, and setting of thermal relay
3. Drive belts break	Worn belt	Replace belt
4. Light boxes tip back on exit	Top drive frame down too far	Carefully adjust top drive frame
5. Squeaking noise as boxes pass through machine	Dry compression rollers	Lubricate compression rollers
	Driving pulleys	Lubricate plastic and aluminum pulleys and replace, if defective

Automatic Top and Bottom Drive Fruit Box Machine (ATFUX)Troubleshooting

TROUBLESHOOTING (cont'd)

PROBLEM	POSSIBLE CAUSE	CORRECTION
6. Tape not centered on box	Tape drum not centered	Reposition tape drum *
	Top compression rollers not aligned with the tape head	Align the left and right compression roller to the tape head *
	Box flaps not of equal length	Check box specifications and adjust accordingly
7. Blade does not cut tape, or tape end is jagged or shredded	Blade is dull and/or has broken teeth	Replace blade *
	Tape tension is insufficient	Increase tape tension by adjusting the mandrel wheel *
	Adhesive has build-up on blade	Clean and adjust the blade *
	Blade not positioned properly	Check that the blade is bottomed out against the mounting bolts *
	Blade is dirty	Clean blade and lubricate the oiler pad on the blade guard *
	Blade in backwards	Mount the blade so that the beveled edge is away from the entrance end of the head *
	Blade spring guard	Replace the defective spring

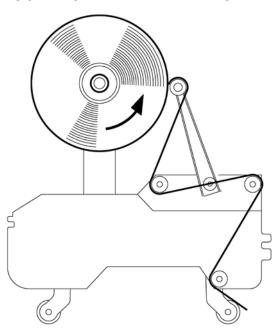
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TROUBLESHOOTING (cont'd)

PROBLEM	CAUSE	CORRECTION
8. Tape is leaving a fold	There is excess tension on the tape mandrel assembly	Adjust the mandrel knurled wheel *
	Rollers in the tape path do not rotate freely	Clean adhesive deposits from the surface, ends, and shafts. Then lubricate roller shafts. Remove all lubricants from roller surfaces
	Blade not cutting tape properly	Refer to tape cutting problems; surface, ends, shafts, and the rollers *
	Tape threaded incorrectly	Rethread the tape *

CORRECT TAPE THREADING PATH



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PARTS REPLACEMENT & ORDERING

Replacement parts and prices are available from your local BestPack® distributor. Please contact your local BestPack® distributor for part availability.

A listing of our BestPack® representatives are located on our website at: http://www.bestpack.com

If you are unable to contact a local distributor near you, contact our BestPack® US office at the following location:

FUTURE COMMODITIES INT'L

BestPack® Packaging Systems 10676 Fulton Court Rancho Cucamonga, CA 91730-4848

TEL: (909) 987-4258 FAX: (909) 987-5189

RECOMMENDED SPARE PARTS

It is recommended that the following items be ordered and kept on hand:

MSD recommended spare parts list

QUANTITY	PART NUMBER	DESCRIPTION
2	27280031	BEARING, BALL 6003ZZ
2	27280091	BEARING, BALL 6202ZZ
1	14201	GEAR, DRIVE 21T ID M16 CW
1	14202	GEAR, FOLLOW 18T ID M16 CCW
2	2710049.A	BELT, 2475mm X2" BLK
2	2710006.BA	BELT, 1168mm X2" BLK
1	2811183	RELAY, THERMAL .6496AMPS
1	2811186	RELAY, THERMAL 1.4-2.2A
1	2830109	RELAY, LY2NJ OMRON 220V
1	28R3102206B	MOTOR, TH 220V 10:1 3 PHASE

Silver Tape Head recommended spare parts list

QTY	3" PARTS	DESCRIPTION		
1	TH311500	ROLLER, FRONT 3"		
1	10096-1	SPRING, MAIN TOP		
1	10096-2	SPRING, MAIN BOTTOM		
1	TH340300	ROLLER, RUBBER REAR 3"		
1	10122-0	BLADE, CUTTER 3"		
1	AC320502	MANDREL, PLASTIC 3"		
2	10116	BUSHING, BUMPER		
2	10117	BUMPER, RUBBER		
1	TH320300	ROLLER, 1-WAY BRASS 3"		

Note: Part Numbers, Descriptions, and Pricing are all subject to change without prior notification. Call for pricing.

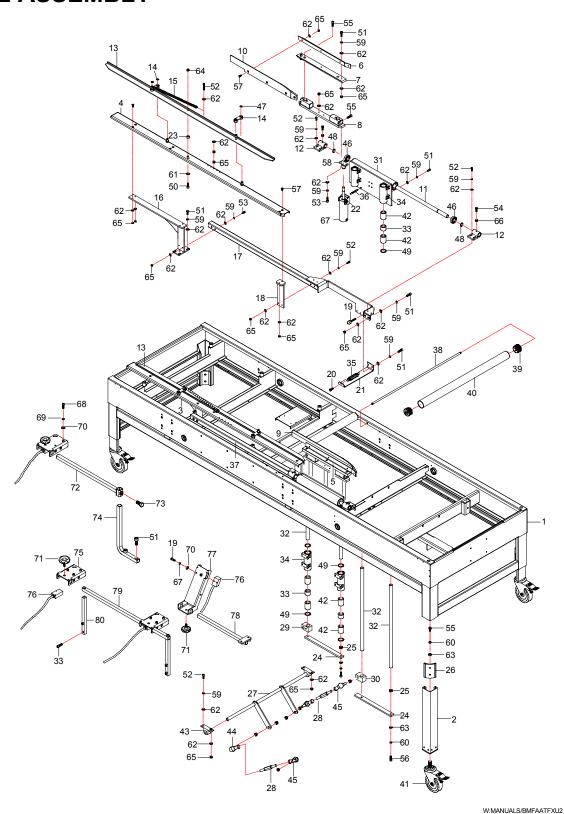
TOOL KIT

A tool kit is provided with the purchase of a BestPack® machine. The tool kit contains the following items: the necessary open-ended wrenches 7mm, 8mm, 10mm, 12mm, and 14mm; set of Allen head wrenches; set of tape head and settle shaft springs; flat screwdriver and Phillips screwdriver; spanner (threading tool); oil applicator; and paintbrush.

The tool kit (Part #90N390 referenced above) is available as a stock item.



FRAME ASSEMBLY





FRAME ASSEMBLY PARTS LIST

BMFAATFXU2

KEY NO.	PART NO.	QTY	DESCRIPTION
1	M8101003	1	FRAME, ROLLER BED
2	A1104000	4	LEG, 11" EXTENSION M65X65
3	M8139003	1	GUIDE, RAIL PLATE -L
4	M8140003	1	GUIDE, RAIL PLATE- R
5	M8125002	1	BRACKET, LIFTER GUIDE-L
6	M8126002	1	BRACKET, LIFTER GUIDE-R
7	M8127003	2	PLATE, LIFTER GUIDE
8	M8128002	2	PLATE, LIFTER FIXED
9	M8123002	1	GUIDE, NYLON LIFTER- L
10	M8124002	1	GUIDE, NYLON LIFTER-R
11	M8119002	2	SHAFT, GUIDE RAIL PIVOT
12	M8120002	4	HOLDER, SHAFT PIVOT
13	M8142003	2	PLATE, GUIDE RAIL-L
14	M8141002	4	ARM, PLATE GUIDE RAIL
15	M8150002	2	SPRING, PLATE GUIDE RAIL
16	M8110003	2	BRACKET, GUIDE RAIL-R
17	M8115003	1	SUPPORT, GUIDE RAIL ASSEMBLY-R
18	M8116003	2	BRACKET, GUIDE RAIL SUPPORT
19	M8149002	2	BUMPER, RUBBER
20	M8161002	2	SCREW, SPRING TENSION
21	M8136002	2	BRACKET, SPRING TENSION
22	M8147002	2	BRACKET, CYLINDER FIXED
23	M8143002	2	BUSHING, GUIDE RAIL
24	M8133002	2	PLATE, LIFTER SHAFT
25	M8130002	2	SPACER, LIFTER SHAFT
26	12370	4	BRACKET, EXTENSION LEG M95X95
27	M8135003	1	ARM, LIFTER SHAFT
28	M8134002	2	SHAFT, LIFTER ADJUSTER
29	M8131002	1	BLOCK, ROD END MOUNT-L
30	M8132002	1	BLOCK, ROD END MOUNT-R

Automatic Top and Bottom Drive Fruit Box Machine (ATFUX)

Drawings and Parts Lists

FRAME ASSEMBLY PARTS LIST (con't)

BMFAATFXU2

KEY NO.	PART NO.	QTY	DESCRIPTION
31	M8117002	2	PLATE, PIVOT SUPPORT
32	18042	4	SHAFT, ADJ HEIGHT M600X20
33	16159	4	BUSHING, SLIDING BLOCK
34	16153	4	BLOCK, SLIDING M20
35	10096-2	2	SPRING, MAIN (BOTTOM) CHROME
36	10097	2	SCREW, MAIN SPRING ADJ M8X64
37	M8114003	1	SUPPORT, GUIDE RAIL ASSEMBLY-L
38	M8155003	2	SHAFT, ROLLER M9.5X750
39	C4129020	4	BUSHING, ROLLER CAP M45X30
40	M8156003	2	ROLLER, ALUM M48X727
41	2712104	4	CASTER, 5" HEAVY DUTY
42	2728102	8	BEARING, LINEAR M20
43	27285201	2	BEARING, PILLOW BLOCK BPP03
44	NF09242	2	ROD END, M12X1.75 W/ STUD-RH
45	NF09242-1	2	ROD END, M12X1.75 W/ STUD-LH
46	27280042	4	BEARING, BALL 6004ZZ
47	2706001	8	RING, RETAINING I.D M8.5 S10
48	2706015	4	RING, RETAINING M19
49	2706203	8	RING, RETAINING R32
50	2701034	2	SCREW, SOCKET HD M5X15
51	2701020	40	SCREW, SOCKET HD M6X16
52	2701021	16	SCREW, SOCKET HD M6X20
53	2701038	8	SCREW, SOCKET HD M6x25
54	2701062	4	SCREW, SOCKET HD M8X12
55	2701005	8	SCREW, SOCKET HD M8X20
56	2701029	4	SCREW, SOCKET HD M8X25
57	2702027	18	SCREW, FLAT HD SOCKET M6x20
58	2721160	2	FLANGE, CYLINDER MOUNT
59	2705202	62	WASHER, SPLIT LOCK M6
60	2705203	12	WASHER, SPLIT LOCK M8

Automatic Top and Bottom Drive Fruit Box Machine (ATFUX)Drawings and Parts Lists

FRAME ASSEMBLY PARTS LIST (con't)

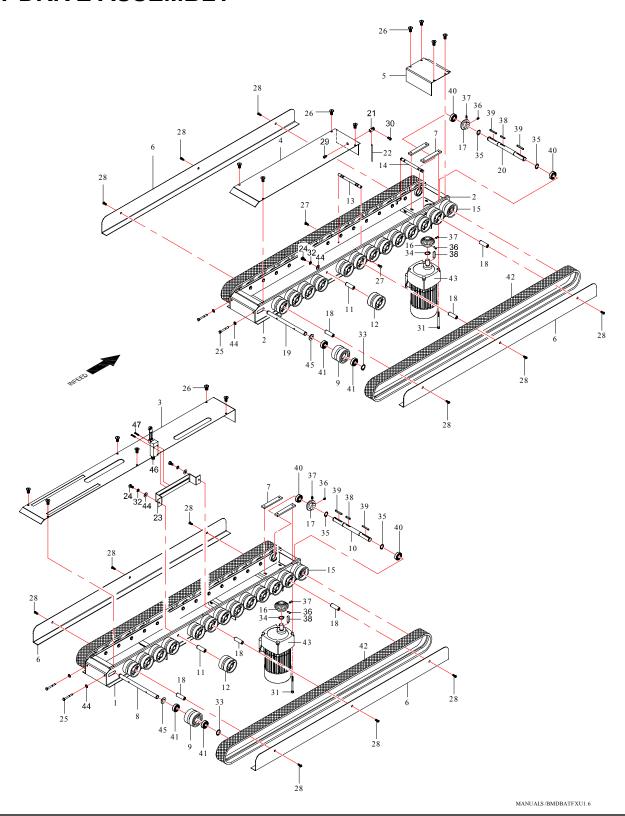
BMFAATFXU1.6

KEY NO.	PART NO.	QTY	DESCRIPTION
61	2705103	2	WASHER, FLAT M5
62	2705002	92	WASHER, FLAT M6
63	2705003	12	WASHER, FLAT M8
64	2707001	2	NUT, HEX JAM M5
65	2707002	42	NUT, HEX JAM M6
66	2707011	4	NUT, HEX JAM M8
67	2920207	2	CYLINDER, AIR CDG1UA32-100

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BELT DRIVE ASSEMBLY





BMDBATFXU1.6

BELT DRIVE ASSEMBLY PARTS LIST

KEY NO.	PART NO.	QTY	DESCRIPTION
1	M8201001	1	FRAME, BOTTOM DRIVE 3" FRONT
2	M8202001	1	FRAME, BOTTOM DRIVE 3" REAR
3	M8213003	1	PLATE, COVER BELT FRONT
4	M8218001	1	COVER, REAR BELT SET - FRONT
5	M8219001	1	COVER, REAR BELT SET - REAR
6	M8214002	4	COVER, DRIVE BELT
7	14016	4	PLATE, M112X18Xt6
8	14001	1	SHAFT, IDLE PULLEY M15X236 2"
9	14004	4	WHEEL, ALUM FOLLOWER M65.5X50
10	14010	1	SHAFT, DRIVE HBLT M17X235 2"
11	14005	40	SHAFT, PLASTIC WHEEL M15X47
12	14006	52	PULLEY, NYLON M65.5X48
13	20008	1	SHAFT, T/HEAD M12X155 (BOLTED)
14	20035	1	SHAFT, T/HEAD M12X163 (SPRING)
15	14007	4	PULLEY, ALUM DRIVER M65.5X52
16	14201	2	GEAR, DRIVE 21T ID M16 CW
17	14202	2	GEAR, FOLLOW 18T ID M17 CCW
18	14080	12	SHAFT, BELT PLATE M69X15
19	14001-1	1	SHAFT, IDLE PULLEY M15X237
20	14010-0	1	SHAFT, DRIVE HBLT M17X262 3"
21	M8221002	1	HOLDER, COPPER TUBE
22	M8222002	1	TUBE, COPPER 120L
23	M8223003	1	BRACKET, LIMIT SLIDE MOUNT
24	2700026	52	SCREW, HEX HD M6X12
25	2700030	4	SCREW, HEX HD M6X50
26	2702040	14	SCREW, FLAT SOCKET M4X8
27	2702208	2	SCREW, FALT SOCKET M6X15
28	2701302	2	SCREW, BUTTON HD SOCKET M8X16
29	2701036	1	SCREW, FLAT HD SOCKET M6x8
30	2701027	1	SCREW, SOCKET HD M6X12

Automatic Top and Bottom Drive Fruit Box Machine (ATFUX)Drawings and Parts Lists

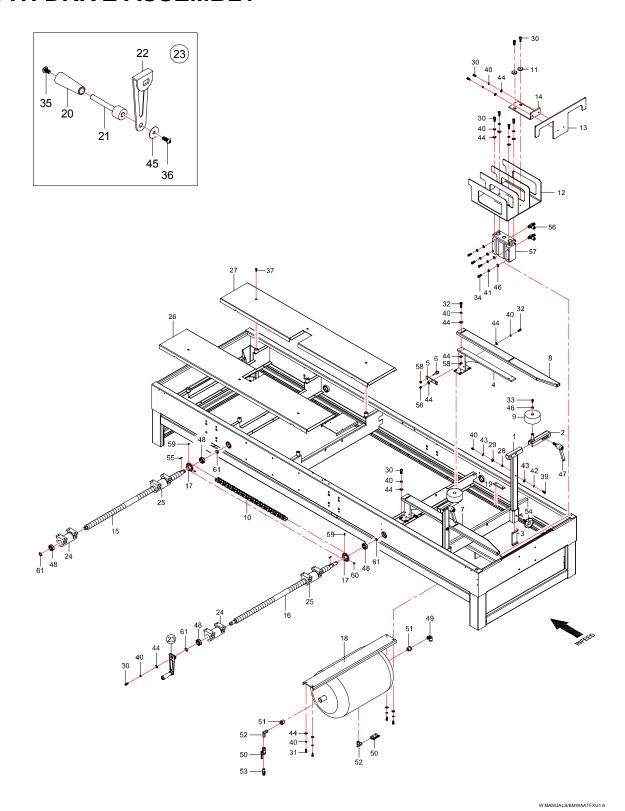
BMDBATFXU1.6

BELT DRIVE ASSEMBLY PARTS LIST (cont'd)

KEY NO.	PART NO.	QTY	DESCRIPTION
31	2701155	8	SCREW, SOCKET HD M6X80
32	2705202	52	WASHER, SPLIT LOCK M6
33	2706004	4	RING, RETAINING M15
34	2706005	2	RING, RETAINING M16
35	2706006	4	RING, RETAINING M17
36	2704001	4	SCREW, SOCKET SET M6X6
37	2704002	4	SCREW, SOCKET SET M6X10
38	2709001	4	KEY, M5X5X25
39	2709002	4	KEY, M5X5X40
40	27280031	4	BEARING, BALL 6003ZZ
41	27280093	8	BEARING, BALL 6202ZZ
42	2710049.A	4	BELT, 2475mm X2" BLK
43	28R3102206B	2	MOTOR, TH 220V 10:1 3 PHASE
44	2705002	58	WASHER, FLAT M6
45	18010	4	SPACER, OD28XID15.3xt2 mm
46	2853002	1	SWITCH, LIMIT HL-5030
47	2703007	2	SCREW, ROUND HD M4X35



WIDTH DRIVE ASSEMBLY



Automatic Top and Bottom Drive Fruit Box Machine (ATFUX)Drawings and Parts Lists

WIDTH DRIVE ASSEMBLY PARTS LIST

BMWAATFXU1.6

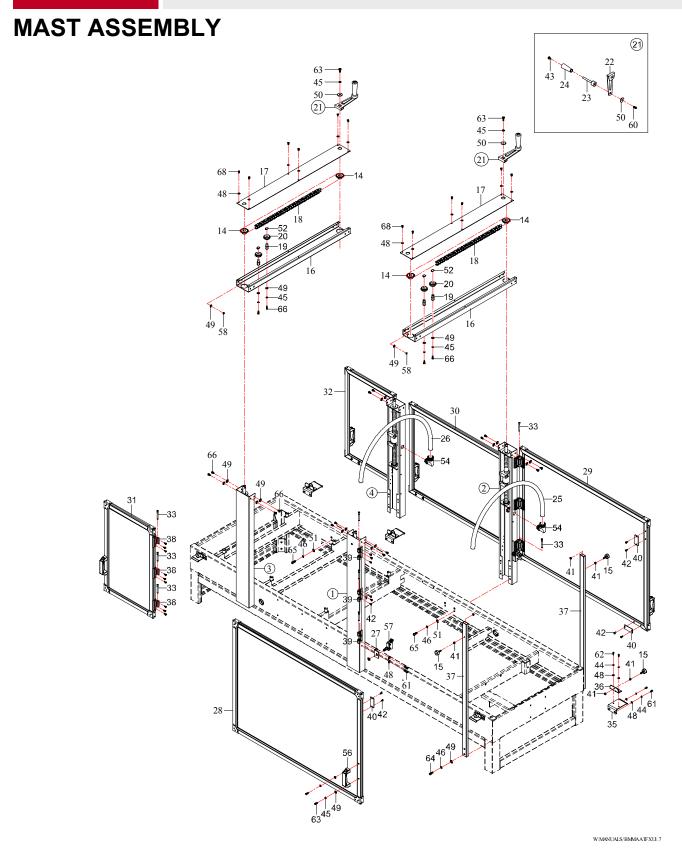
KEY NO.	PART NO.	QTY	DESCRIPTION
1	M8111003	2	BRACKET, COMPR'N ROLLER
2	M8113002	2	BRACKET, ROLLER EXTN
3	M8112002	2	PLATE, COMPRESSION ROLLER POST
4	M8109004	2	BRACKET, FIX PLATE
5	M8118002	2	PLATE, RUBBER BUMPER
6	M8148002	2	BUMPER, RUBBER
7	M8121003	1	RAIL, FRONT GUIDE- L
8	M8122003	1	RAIL, FRONT GUIDE-R
9	20024-1	2	WHEEL, TOP COMPR'N GRAY
10	M8160003	1	CHAIN, LINK RS20X220
11	M8609002	2	WASHER, FLAT M8X20X4
12	M8601004	1	BRACKET, SUPPORT INDEXER
13	M8605003	1	PLATE, STOPPER INDEXER
14	M8607000	1	PLATE, STOPPER LINK
15	M8106003	1	SHAFT, WIDTH ADJ - REAR
16	M8105003	1	SHAFT, WIDTH ADJ - FRONT
17	16021	2	SPROCKET, 15T 40 CHAIN
18	M8901003	1	RESERVOIR, AIR
19	12250	2	PLATE, LEG SUPPORT M64X25X4
20	18001	1	HANDLE, NYLON TAPERED
21	16093	1	SHAFT, CRANK HANDLE
22	18197-1	1	HANDLE, STEEL ARM
23	A1115000	1	HANDLE, STEEL ARM ASSEMBLY
24	16020	2	BLOCK, WIDTH M29 LH TW 1/8"
25	16019	2	BLOCK, WIDTH M29 RH TW 1/8"
26	M8145003	1	COVER, FRAME- LH
27	M8146003	1	COVER, FRAME- RH
28	10116	2	BUSHING, BUMPER M8X7
29	10117	2	BUMPER, RUBBER M15X7
30	2701014	17	SCREW, SOCKET HD M6X16

WIDTH DRIVE ASSEMBLY PARTS LIST (con't)

BMWAATFXU1.6

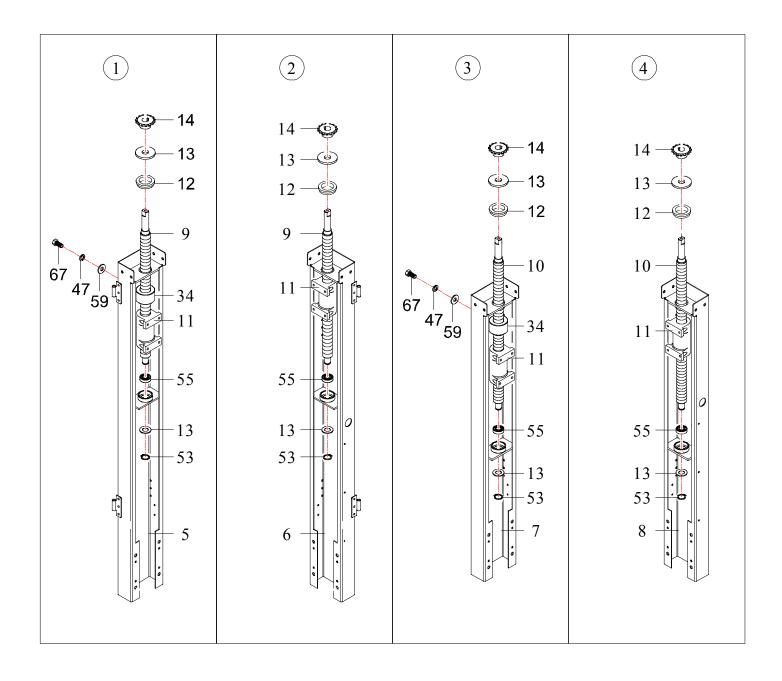
KEY NO.	PART NO.	QTY	DESCRIPTION
31	2701002	4	SCREW, SOCKET HD M6X20
32	2701003	12	SCREW, SOCKET HD M6X25
33	27010051	2	SCREW, SOCKET HD M8X16
34	2701023	4	SCREW, SOCKET HD M8X20
35	2701351	1	SCREW, OVAL PHILIP M6X12
36	2701305	1	SCREW, OVAL SOCKET HD M6X16
37	2702031	6	SCREW, FLAT HD M6X16
38	2700032	2	SCREW, HEX HD M5X12
39	2701034	2	SCREW, SOCKET HD M5X15
40	2705202	31	WASHER, SPLIT LOCK M6
41	2705203	4	WASHER, SPLIT LOCK M8
42	2705201	2	WASHER, SPLIT LOCK M5
43	2705103	2	WASHER, FLAT M5
44	2705002	43	WASHER, FLAT M6
45	2705199	1	WASHER, FLAT FENDER M6.5X25X2
46	2705003	6	WASHER, FLAT M8
47	2707255	2	HANDLE, THREADED STUD TYPE
48	2728003	4	BEARING, BALL 60003Z (N146.0)
49	29093382	1	VALVE, SPEED CONTROL JPL10-02
50	2909501	2	VALVE, SHUT OFF BRASS 1/4X1/4
51	2909120	2	FITTING, STRAIGHT
52	2908021	2	VAVLE, SPEED CONTROL JSC 6M5
53	2909029	1	FITTING, COUPLER PLUG CP21
54	2702101	2	KNOB, LOCKING 3/8-13UNC
55	2709001	2	KEY, M5X5X25
56	2908017	2	VALVE, SPEED CONTROL 1/8X8
57	29MGQM50-25	1	CYLINDER, AIR MGQM50-25
58	2707002	14	NUT, HEX JAM M6
59	2704003	2	SCREW, SOCKET HD M5X5
60	2704006	2	SCREW, SOCKET HD M5X10
61	2706005	4	RING, RETAINING M16

Drawings and Parts Lists





MAST ASSEMBLY



BMMAATFXU1.7

MAST ASSEMBLY PARTS LIST

KEY NO.	PART NO.	QTY	DESCRIPTION
1	M8301A02	1	MAST, LEFT FRONT ASSEMBLY
2	M8302A02	1	MAST, RIGHT FRONT ASSEMBLY
3	M8303A02	1	MAST, LEFT REAR ASSEMBLY
4	M8304A02	1	MAST, RIGHT REAR ASSEMBLY
5	M8301002	1	MAST, LEFT FRONT
6	M8302002	1	MAST, RIGHT FRONT
7	M8303002	1	MAST, LEFT REAR
8	M8304002	1	MAST, RIGHT REAR
9	M8306002	2	SHAFT, FRONT LIFTING SCREW
10	M8305002	2	SHAFT, REAR LIFTING SCREW
11	18006	4	BLOCK, SLIDING TW1-6ACME (RH)
12	M8309002	4	BUSHING, BRASS
13	18010	8	SPACER, OD28XID15.3xt2 mm
14	18169	4	SPROCKET, RS35X12T
15	D2321000	7	MAGNET, LOCK GATE
16	M8312003	2	CHANNEL, MAST SUPPORT
17	M8313003	2	COVER, MAST CROSS BEAM
18	M8331003	2	CHAIN, RS35 X 197 W/ CONNECTO
19	18029	4	SPACER, STAND OFF HEX H14X2.9
20	53337	4	ROLLER, CHAIN ADJUSTER
21	A1115000	2	HANDLE, STEEL ARM ASSEMBLY
22	18197-1	2	HANDLE, STEEL ARM
23	16093	2	SHAFT, CRANK HANDLE
24	18001	2	HANDLE, NYLON TAPERED
25	M8346003	1	CONDUIT, ELECTRICAL -FRONT
26	M8347003	1	CONDUIT, ELECTRICAL -REAR
27	18348	5	BRACKET, GATE MICRO SWITCH
28	M8351004	1	GATE, SAFETY LEFT - FRONT
29	M8352004	1	GATE, SAFETY RIGHT - FRONT
30	M8354004	1	GATE, SAFETY MID - RIGHT

MAST ASSEMBLY PARTS LIST (con't)

BMMAATFXU1.7

KEY NO.	PART NO.	QTY	DESCRIPTION
31	M8355004	1	GATE, SAFETY LEFT - REAR
32	M8356004	1	GATE, SAFETY RIGHT - REAR
33	D2320030	15	PIN, GATE HINGE M6X62
34	M8308000	2	COVER, SCREW SHAFT
35	D2326001	5	BRACKET, LATCH MOUNTING
36	D2330000	5	PLATE, MAGNET SUPPORT
37	M8331004	2	BAR, POST SAFETY GATE
38	D2320010	15	LATCH, GATE
39	D2320020	15	LATCH, MAST
40	D2316072	7	PLATE, MAGNETIC MINOR
41	2707023	14	NUT, HEX M5
42	2740000	59	RIVETS, 3/16" X1/4
43	2701351	2	SCREW, OVAL PHILIP M6X12
44	2705201	20	WASHER, SPLIT LOCK M5
45	2705202	18	WASHER, SPLIT LOCK M6
46	2705203	16	WASHER, SPLIT LOCK M8
47	2705208	2	WASHER, SPLIT LOCK M10
48	2705103	42	WASHER, FLAT M5
49	2705102	36	WASHER, FLAT M6
50	2705199	4	WASHER, FLAT FENDER M6.5X25X2
51	2705101	16	WASHER, FLAT M8
52	2706001	4	RING, RETAINING M10
53	2706004	4	RING, RETAINING M15
54	2860091	2	FITTING, ELBOW ELECT'L TUBE PG
55	27280462	4	BEARING, BALL 6002ZZ
56	2740201	5	HANDLE, PLASTIC M131X114
57	2853006	5	SWITCH, LIMIT OMRON Z-15GQ22B
58	2707102	16	NUT, HEX JAM NYLOCK M6
59	2705118	2	WASHER, FLAT M10
60	2701305	2	SCREW, OVAL SOCKET HD M6X16

MAST ASSEMBLY PARTS LIST (con't)

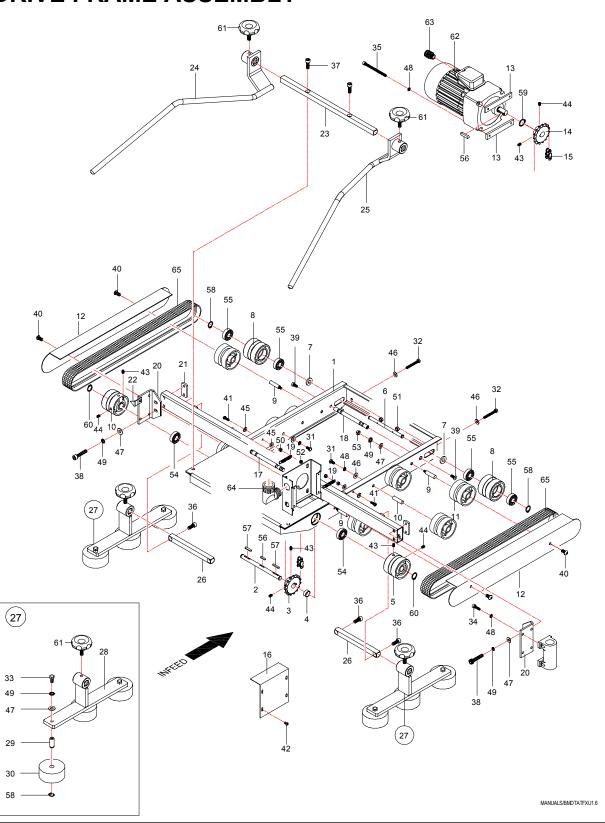
BMMAATFXU1.7

KEY NO.	PART NO.	QTY	QTY DESCRIPTION	
61	2704006	10	SCREW, SOCKET HD M5X10	
62	2701033	4	SCREW, SOCKET HD M5X12	
63	2701020	12	SCREW, SOCKET HD M6X16	
64	2701021	4	SCREW, SOCKET HD M6X20	
65	2701168	16	SCREW, SOCKET HD M8X16	
66	2700002	20	SCREW, HEX HD M6X12	
67	27000621	2	SCREW, HEX HD M10X20	
68	2703223	12	SCREW, ROUND HD M5x8	

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TOP DRIVE FRAME ASSEMBLY





BMDTATFXU1.6

TOP DRIVE ASSEMBLY PARTS LIST

KEY NO.	PART NO.	QTY	DESCRIPTION
1	M8401003	1	FRAME, TOP DRIVE ATFUX22-3H
2	14010-0	1	SHAFT, DRIVE HBLT M17X262 3"
3	18151	1	SPROCKET, 1/2"X10TX17 SS41
4	14009	1	SPACER, DRIVE SHAFT M21.7X17X1
5	14007	2	PULLEY, ALUM DRIVER M65.5X52
6	14001-1	1	SHAFT, IDLE PULLEY M15X237
7	18010	2	SPACER, OD28XID15.3xt2 mm
8	14004	2	WHEEL, ALUM FOLLOWER M65.5X50
9	14080	4	SHAFT, BELT PLATE M69X15
10	14005	10	SHAFT, PLASTIC WHEEL M15X47
11	14006	10	PULLEY, NYLON M65.5X48
12	20419	2	COVER, TOP BELT PLATE
13	14016	2	PLATE, M112X18Xt6
14	22121	1	SPROCKET, MOTOR RS40X12T
15	K6421000	1	CHAIN, RS35X36 W/ LINK
16	54442	1	COVER, TOP MOTOR CHAIN
17	20008	1	SHAFT, T/HEAD M12X155 (BOLTED)
18	20035	1	SHAFT, T/HEAD M12X163 (SPRING)
19	20009	2	SPRING, SETTLE SHAFT
20	20058	2	PLATE, ANGLE
21	18267	2	PLATE, M25X50X6
22	18012	1	INDICATOR, HEIGHT
23	M8515003	1	SHAFT, SQUARE M16X16
24	M8510003	1	GUIDE, MAJOR FLAP FOLDER-LEFT
25	M8511003	1	GUIDE, MAJOR FLAP FOLDER-RIGHT
26	M8405002	2	SHAFT, TOP COMPRERSSION M13X13
27	M8406A02	2	COMPRESSION ROLLER, ASSEMBLY A
28	M8406002	2	BRACKET, TOP COMPRESSION
29	20437	6	SHAFT, COMPRN ROLLER M15X38
30	20024-1	6	WHEEL, TOP COMPR'N GRAY



BMDTATFXU1.6

TOP DRIVE ASSEMBLY PARTS LIST (cont'd)

KEY NO.	PART NO.	QTY	DESCRIPTION
31	2700026	8	SCREW, HEX HD M6X12
32	2700030	2	SCREW, HEX HD M6X50
33	2700046	6	SCREW, HEX HD M8X30
34	2701020	8	SCREW, SOCKET HD M6X16
35	2701028	4	SCREW, SOCKET HD M6X80
36	2701030	2	SCREW, SOCKET HD M8X16
37	2701029	2	SCREW, SOCKET HD M8X25
38	2701057	2	SCREW, SOCKET HD M8X40
39	2702020	2	SCREW, FLAT HD M6X12
40	2701302	4	SCREW, BUTTON HD SOCKET M8X16
41	2703202	2	SCREW, PAN HD PHILIP M5X15
42	2701354	4	SCREW, OVAL HD M4X6
43	2704001	2	SCREW, SOCKET SET M6X6
44	2704002	2	SCREW, SOCKET SET M6X10
45	2705103	4	WASHER, FLAT M5
46	2705102	5	WASHER, FLAT M6
47	2705101	2	WASHER, FLAT M8
48	2705202	8	WASHER, SPLIT LOCK M6
49	2705203	2	WASHER, SPLIT LOCK M8
50	2707023	2	NUT, HEX M5
51	2707020	2	NUT, HEX M6
52	2707101	2	NUT, HEX JAM NYLOCK M5
53	2707103	2	NUT, HEX NYLOCK M8
54	27280030	2	BEARING, BALL 6000zz
55	27280091	4	BEARING, BALL 6202ZZ
56	2728002	4	BEARING, BALL 6002ZZ
57	2709001	1	KEY, M5X5X25
58	2709002	2	KEY, M5X5X40
59	2706004	2	RING, RETAINING M15
60	2706005	1	RING, RETAINING M16



TOP DRIVE ASSEMBLY PARTS LIST (cont'd)

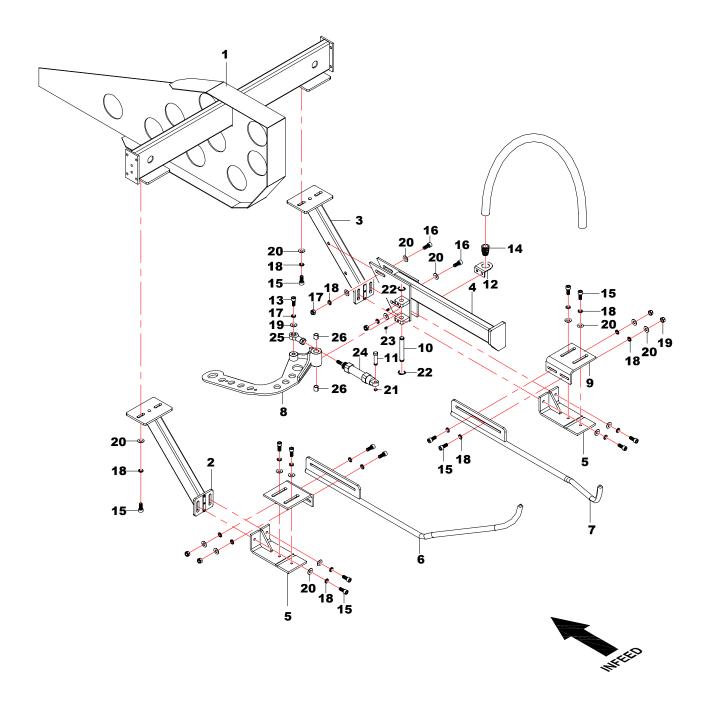
BMDTATFXU1.6

KEY NO.	PART NO.	QTY DESCRIPTION	
61	2706006	2	RING, RETAINING M17
62	2702101	4	KNOB, LOCKING 3/8-13UNC
63	28R3102206B	1	MOTOR, TH 220V 10:1 3 PHASE
64	2812903	1	CONNECTOR, TUBE
65	2960091	1	FITTINGS, ELBOW ELECTRICAL
66	2710006.BA	2	BELT, 1168mm X2" BLK

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FLAP FOLDING ASSEMBLY



MANUALS/BMFFATFXU1.6

Drawings and Parts Lists

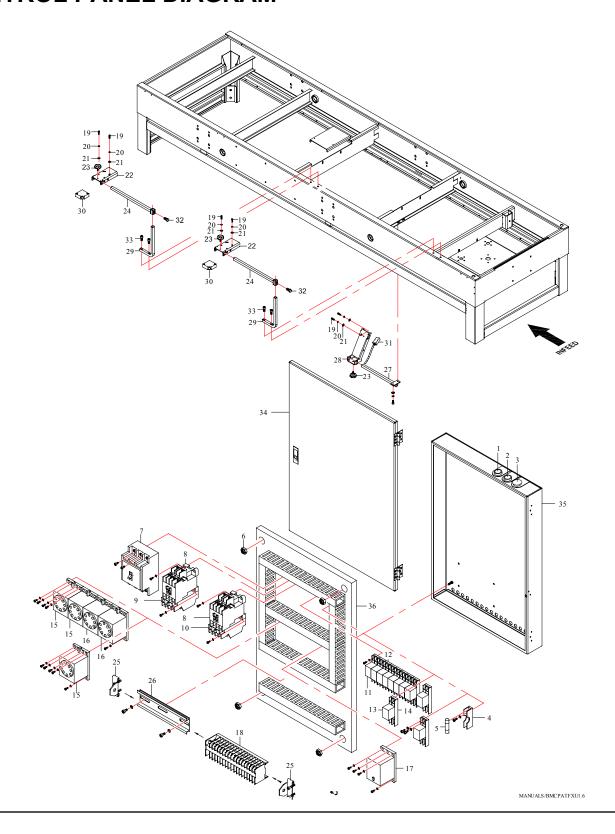
FLAP FOLDING ASSEMBLY PARTS LIST

BMFFATFXU1.6

KEY NO.	PART NO.	QTY	DESCRIPTION
1	M8501003	1	FRAME, MAJOR FLAP FOLDER
2	M8502003	1	ARM, EXTENSION GUIDE RAIL-LH
3	M8503003	1	ARM, EXTENSION GUIDE RAIL-RH
4	M8506003	1	BRACKET, KICKER MOUNT
5	M8512003	2	BRACKET, FLAP FOLD GUIDE RAIL
6	M8504004	1	RAIL, MAJOR FLAP FOLDER (LH)
7	M8505004	1	RAIL, MAJOR FLAP FOLDER (RH)
8	M8507003	1	KICKER, ARM MINOR FLAP
9	M8520003	2	BRACKET, SUPPORT ADJUST
10	M8509002	1	SHAFT, CYLINDER MOUNT KICKER
11	M8513002	1	SHAFT, MOUNTING PIN
12	M8827002	1	BRACKET, ELECTRICAL CONDUIT
13	2701014	1	SCREW, SOCKET HD M6X16
14	2860065	1	FITTING, ELECTRICAL
15	2701168	16	SCREW, SOCKET HD M8X16
16	27010080	2	SCREW, SOCKET HD M8X50
17	2707103	2	NUT, HEX NYLOCK M8
18	2705203	24	WASHER, SPLIT LOCK M8
19	2707022	4	NUT, HEX M8
20	2705003	20	WASHER, FLAT M8
21	2706024	1	RING, RETAINING S7
22	2706002	2	RING, RETAINING M12
23	2704003	2	SCREW, SOCKET HD M5X5
24	29200671	1	CYLINDER, AIR CDM2C32-100A
25	2728422	1	ROD END, PHS 10X1.5
26	27283123	2	BUSHING, DRY MB1215



CONTROL PANEL DIAGRAM





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CONTROL PANEL PARTS LIST

KEY NO.	PART NO.	QTY	DESCRIPTION
1	2871740A	1	LAMP, INDICATOR TE ZB4-BV01
2	2871720A	1	BUTTON, TE ZB4-BA3
3	2871715A	1	KNOB, TE ZB4-BC4
4	2839114	1	FUSE, DRIVE SET
5	2811654	1	FUSE, 4A
6	2707002	4	NUT, HEX JAM M6
7	2801103	1	CIRCUIT BREAKER, FUJI EA33 3P2
8	2810217	2	RELAY, MAGNETIC SC-03 4A 220V
9	2811183	1	RELAY, THERMAL .6496AMPS
10	2811186	1	RELAY, THERMAL 1.4-2.2A
11	2830109	10	RELAY, LY2NJ OMRON 220V
12	2831204	10	SOCKET, RELAY LY2NJ- PTF-08AM
13	2830006	1	RELAY, MY4NJ 220V
14	2831206	1	SOCKET, RELAY 14 PIN PTF
15	2832110	3	TIMER, MS4S-A-AP 100-240V
16	2832111	2	TIMER, MS4S-C-AP 100-240V
17	2850630	1	CONTROLLER, ANLY PU-UB 220
18	2843201	4	TERMINAL, BLOCK ELECT 1 CELL
19	2701026	6	SCREW, SOCKET HD M4X12
20	2705306	6	WASHER, SPLIT LOCK M4
21	2705006	6	WASHER, FLAT M4
22	M8825003	2	BRACKET, SENSOR PHOTO EYE
23	2702101	2	KNOB, LOCKING 3/8-13UNC
24	M8824002	2	SHAFT, SQUARE M12X12X455
25	2841251	2	TERMINAL, END CONNECTOR
26	2841213	1	CHANNEL, DIN TRACK MOUNT
27	M8822002	1	BRACKET, RAIL PHOTO SENSOR
28	M8826002	1	BRACKET, SENSOR BOX LIFTER
29	M8823002	2	BRACKET, M13SQXM8.25X3M.25
30	2850002	2	SENSOR, PHOTO E3JKDS30M



Drawings and Parts Lists

CONTROL PANEL PARTS LIST (con't)

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KEY NO.	PART NO.	QTY DESCRIPTION	
31	2850119	1	SENSOR, SICK VTF18-4N1212
32	P000620	2	KNOB, LOCKING M6
33	2701014	4	SCREW, SOCKET HD M6X16
34	M8802002	1	GATE, ELECTRICAL BOX
35	M8801002	1	BODY, ELECTRICAL BOX
36	M8803002	1	PANEL, ELECTRIC BOX

Customer Service Information

CUSTOMER SERVICE INFORMATION

Please contact us for your customer service needs between the hours of 8:00 a.m. and 5:00 p.m. pacific standard time.

Candice Wilson
Customer Service Manager
(909) 987-4258 ext. 124
candice@bestpack.com

Patsy Miller Customer Service (909) 987-4258 ext. 120 patsy@bestpack.com

BESTPACK® CARTON SEALER WARRANTY

BestPack® Packaging Systems (BestPack®) brand carton sealers are warranted for a period of one year after the date of shipment to be free from defect in material and workmanship. Seller's and manufacturer's only obligation shall be to repair or replace, at their option, any mechanical part proven to be defective, provided the defect/failure occurs within the warranty period and the said part is returned prepaid, immediately, to the BestPack® factory or to an authorized service facility designated by the manufacturer. BestPack® will, at its sole discretion, repair or replace any defective components upon receipt of said defective component. Equipment replaced under the warranty shall have the same warranty as new equipment, but does not extend the warranty of the original equipment. Not covered by this warranty is the normal wear of components; such as, but not limited to: belts, chains, fuses, bulbs, turntable support, rollers, etc., or misuse or abuse of the machine or any components thereof. Parts returned without the prescribed paperwork will not be covered by this warranty. Labor to remove or repair any components is also not covered by this warranty. This warranty does not apply to equipment, which, in the opinion of BestPack, has been subjected to misuse, neglect, or has been repaired or altered by unauthorized personnel. Damage in transport is the responsibility of the carrier and is not covered under our warranty. BestPack's® obligation under this warranty will be to provide for repairs to defective components or replacement of parts FOB BestPack®.

Warranty is void if:

- 1. Failure is not reported to BestPack® Products within the one-year warranty period.
- 2. Failure or damage is due to misapplication, lack of proper maintenance, abuse, improper installation, or abnormal conditions; such as, temperature, moisture, dirt, or corrosive matter, etc.
- 3. Failure is due to operations above the rated capacities or used in any other improper manner, either intentional or otherwise.
- 4. Failure is due to equipment that has been altered by anyone other than an authorized representative of BestPack Product Company.
- 5. Failure is due to an attempt by the purchaser to correct alleged defective equipment. In this event, the purchaser is responsible for all expenses incurred.
- 6. The warranty registration form is not completed and returned to Future Commodities Int'l, 10676 Fulton Court, Rancho Cucamonga, CA 91730

The above statements are made in lieu of all warranties, expressed or implied, including the implied warranties for merchantability and fitness for purpose. Neither seller nor manufacturer shall be liable either in tort or in contact for any loss or damage, direct, incidental, or consequential, arising out of the use of or the inability to use the BestPack brand equipment. No statement or recommendation not contained herein shall have any force effect unless in an agreement signed by an Officer of the seller and manufacturer.

BESTPACK® WARRANTY REGISTRATION FORM

DATE		
END USER INFO	RMATION	
	CONTACT NAME	TITLE
CITY		STATE ZIP
DISTRIBUTOR II	NFORMATION	
COMPANY NAME _	CONTACT NAME	TITLE
ADDRESS _		
CITY _		STATE ZIP
MACHINE INFO	DAMA TION	
MODEL	SERIAL#	TYPE
DISPENSER	VOLTAGE	PLANT VOLTAGE (phase x voltage)
OTHER INFORM	IATION (optional)	
DID THE MACHINE A	RRIVE IN SATISFACTORY CONDITION?	YES NO
IS THIS YOUR FIRST	BESTPACK® MACHINE?	
DOES YOUR FACILIT	TY USE OTHER BRANDS?	
IF YES, PLEASE LIST	Γ:	

To activate warranty (warranty commences from product ship date), the Warranty Registration Form must be completed and sent to:

BestPack® Packaging Systems, Future Commodities Int'l, 10676 Fulton Court, Rancho Cucamonga, CA 91710