

## SAFETY RULES

1. Only qualified personnel shall be allowed to operate or work on this equipment.
2. Operators and maintenance personnel shall read the entire manual before operating or working on this equipment.
3. Avoid wearing loose clothing or jewelry.
4. DO NOT reach under the machine while it is running.
5. DO NOT reach into the machine while it is running.
6. DO NOT start the machine while someone is reaching into it. Look before starting the machine.
7. Depress an EMERGENCY STOP BUTTON before reaching into the machine to clear a jam or when adjusting.
8. A lockout is provided on the main electrical cabinet disconnect switch. It should be used to avoid accidental start-ups while the machine is under repair.
9. DO NOT operate the machine without guards in their proper position.
10. DO NOT defeat the electrical guard inter-lock system (if supplied).
11. Wear safety glasses when working under the machine.
12. Turn off the air pressure (where applicable), before working on the machine.
13. Turn off the air pressure or disconnect the air to the pressurized hot melt systems (where applicable), before working on the unit.
14. Wear safety glasses and leather gloves while working on hot melt glue systems.

Model 807-15-EN  
Ser # 2137TK

## SAFETY FEATURES

### EMERGENCY STOP BUTTONS

These buttons are used to lock-out the drive circuit while clearing a jam or making adjustments. Press the EMERGENCY STOP BUTTON down to lock-out the start button. When down, it is illuminated to indicate the button is down and the machine cannot be started.

### GUARD INTERLOCKS

A limit switch or magnetic switch is used to sense that a guard is in its proper position. If it is not, the machine will not start.

On machines with a JOG CORD, the interlocks are bypassed for the cord when placed in the JOG MODE. Only the JOG CORD button can jog the machine when a guard door is open. The main panel button will not operate.

### THE MACHINE SUDDENLY STOPS

If the cartoner suddenly stops, it could be any of the reasons below:

- A. Check the barrier guarding around the rotary feed itself for doors left open.
- B. Check the amber indicating lights on the button control panel. If one or more of the lights are illuminated, refer to the MACHINE WARNING SYSTEM. (IF APPLICABLE)
- C. If no lights are illuminated, switch to the "JOG/RUN" selector switch to the "JOG" position and press the "DRIVE START" button.
- D. If the machine will still not start, check the "EMERGENCY STOP BUTTONS, making sure it is not depressed.
- E. Make sure the "MAIN DISCONNECT" switch is still in the "ON" position.
- F. Also look at the drive motor starter reset and try re-setting the unit.
- G. If the problem still exists, re-check the ELECTRICAL COMPONENT TRACING INSTRUCTIONS

## MACHINE WARNING SYSTEM

### MACHINE JAM

when the MACHINE JAM light illuminates, the torque limiter has been kicked-out. The torque limiter being a part of the primary drive system, when a jam occurs, it can be anywhere within the machine. These instructions below are provided to help locate the problem.

NOTE: ALWAYS DEPRESS THE EMERGENCY STOP BUTTON BEFORE ATTEMPTING TO EXTRACT ANY CARTON OR PRODUCT FROM THE MACHINE.

1. Check the tension in the carton flight chains. Start by grasping each chain. You should have equal tension in both chains. If a jam does occur in the flight chains, it usually does not effect all the flight chains at the same time. These items below are some reasons why this problem may occur.
  - A. Check for any cartons or product around any sprockets.
  - B. Check for interference of the rotary feed arm and the overhead guide.
  - C. Check the discharge area of the machine for jammed cartons.
2. To reset the drive, turn the handwheel on the back of the drive motor counterclockwise until the machine jumps back in time.

### OPEN DOOR

This indicating light (if applicable) represents any guard door or guard door panel important enough to have a safety switch. The machine will not run if the doors or panels are removed or left open.

### CARTON FEED JAM

When a carton feed jam occurs it is a result of interference between the vacuum cup and the flight lugs.

1. To reset, depress the "EMERGENCY STOP BUTTON". Support the vacuum pivot arm and by holding onto the main con-rod, rotate the lower crank counterclockwise approximately 250 until you hear it latch.

## CARTONS DO NOT INDEX

There may be reasons why the cartons do not index properly. Listed below are why this may happen:

1. Not enough air pressure in the system to allow the index air cylinder to operate properly.
2. The photo-eye that senses the incoming carton is not working properly, therefore not signaling the air cylinder to index the carton into the flight lugs.
3. The side guides are in too tight not allowing the carton easy passage to the indexer air cylinder.

## ELECTRICAL COMPONENT TRACING INSTRUCTIONS

NOTICE: DISCONNECT THE POWER BEFORE CHECKING ANY FUSES IN THE ELECTRICAL PANEL.

If at any time the voltage to the components is lost, first check the main power at the top of the MAIN DISCONNECT SWITCH.

If voltage reads 480VAC, then manually trip the "MAIN DISCONNECT" switch while leaving the door open and check the voltage on the out-put side of the "MAIN DISCONNECT" switch. It should read 480VAC also. If not, the switch is bad and should be replaced.

If the MAIN DISCONNECT shows the power off to the bottom terminals and you still haven't any power to your components, check the 2 AMP fuse on the transformer.

If the problem still exists, check the motor fuses.

If the fuse is bad, replace with a fuse of comparable size and rating.

If the fuse is good and the problem still exists, check the out-put voltage on the transformer. The out-put voltage should read 120VAC. If the fuse is good and the transformer is properly wired and the transformer still reads incorrectly, then replace the transforme

## MAINTENANCE OF THE CARTONER

PROPER CARE AND MAINTENANCE IS IMPORTANT TO THE LIFE AND OPERATION OF THE MACHINE. MAINTAIN A SUFFICIENT CLEANING AND LUBRICATION SCHEDULE.

### CLEANING

#### PAINTED MACHINES

Wash the machine by using a mild soap and water with a sponge or rag, and dry off any excess water.

#### STAINLESS STEEL MACHINES

These machines can be cleaned with a high pressure system or with soap and water as mentioned above. When cleaning with steam or high pressure sprayers, note the following items:

1. DO NOT spray directly at any electrical apparatuses, buttons, solenoids, motors, etc.
2. If necessary, cover the motors and electrical equipment with a plastic.
3. Blow off any excess water. Do not allow any water to sit on the machine.
4. Re-lubricate chains, bushings, etc. after your cleaning.

### LUBRICATION

The proceeding articles cover lubrication intervals for the machine. The schedule is figured on an eight hour work day/five days a week. If your machine is operated above this range, adjust your schedule accordingly.

Because there are a variety of bearing types and manufacturer's, each with its own lubrication needs, this schedule can only serve as a guideline. For accurate lubrication intervals for each particular bearing, the information pamphlets from the bearing units are sent with this manual, and are located in the manual.

#### SEALED BEARINGS

SPEED	ENVIRONMENT	INTERVAL
0-60 CPM	CLEAN	ONCE/MONTH
60-120 CPM	CLEAN	TWICE/MONTH
120-200 CPM	CLEAN	WEEKLY
200-UP	CLEAN	ALT. DAYS
0-60 CPM	DIRTY	WEEKLY
60-120 CPM	DIRTY	ALT. DAYS
120-UP	DIRTY	DAILY

## LUBBRICATION -CONT-

### NON-SEALED BEARINGS:

SPEED	ENVIRONMENT	INTERVALS
0-60 CPM	CLEAN	WEEKLY
60-120 CPM	CLEAN	ALT. DAYS
120-UP	CLEAN	DAILY
0-60 CPM	DIRTY	ALT. DAYS
60-UP	DIRTY	DAILY

Non-sealed bearings used in adjustment purposes do not apply to the chart above. Adjustment bearings may be lubed monthly.

### STRONGBACK THRUST WASHER

SPEED	ENVIRONMENT	INTERVALS
0-60 CPM	CLEAN	WEEKLY
60-120 CPM	CLEAN	ALT. DAYS
120-UP	CLEAN	DAILY
ALL SPEEDS	DIRTY	DAILY

### BUSHINGS

Lubricate bushings and shafts daily immediately after cleaning the machine. If any are dry, lubricate immediately.

### CHAINS

Daily inspect chains for lubrication, DO NOT allow chains to run dry. Oil chains after each washing, when steam or high pressure systems are used. When packaging food products, a food grade lubricant should be used on the carton carrying flight chains.

CHAIN SIZE	WEIGHT/OIL
40-50	SAE 20
60-80	SAE 30

## INSTALLATION OF YOUR CARTONER

Your cartoner has been thoroughly tested at TANNEY MACHINE AND MANUFACTURING prior to shipment to insure proper operation of your cartoner. Each carton size is tested at minimum and maximum speeds. After testing the cartons, it is allowed to run continuously for six hours or more as a break-in period. After the break-in period, the machine is gone over for tight and checked for approval, then shipped to you.

## EXAMINATION OF YOUR CARTONER

1. Before positioning the machine in-line for your production run, check all fastening devices and equipment, such as, nuts, bolts, setscrews, etc. During shipment, truck vibration can loosen hardware and components. Failure to do so may result in loss of timing and/or damage to the unit.
2. Check the voltage and amperage on the machine nameplate prior to any wiring. The amperage stated indicates the breaker or fuse size necessary for the cartoner. In the unlikely event the cartoners' voltage differs from that of your plant, contact TANNEY MACHINE, stating the problem, so we may determine the changes necessary to set-up for the proper voltage.
3. Check both infeed and discharge heights for compatibility with other equipment. The machines feet are adjustable to 5" with 1" thread remaining in the housing for stability. If necessary, the casters may be removed to achieve proper height.

## INSTALLATION, MECHANICAL

1. Because of configuration or size, your cartoner or equipment may have been shipped in two or more pieces. In most cases, re-connecting the equipment is a simple task of matching the pieces and bolting them together. If connecting the equipment requires timing alignment, temporary alignment marks are placed on the machine to assist in assembly. For complicated set-ups, you may phone TANNEY MACHINE for assistance.
2. Check to insure that the fastening devices are tight and connections are aligned evenly. Uneven alignment can cause binding.

## INSTALLATION, ELECTRICAL

1. As stated earlier, the nameplate lists the electrical requirements necessary. The machine should also be properly grounded in accordance with national and local codes.
2. Connect the wires from re-connected equipment to corresponding numbers (i.e. 3 to 3; 25 to 25; etc.)

## TABLOCK AREA

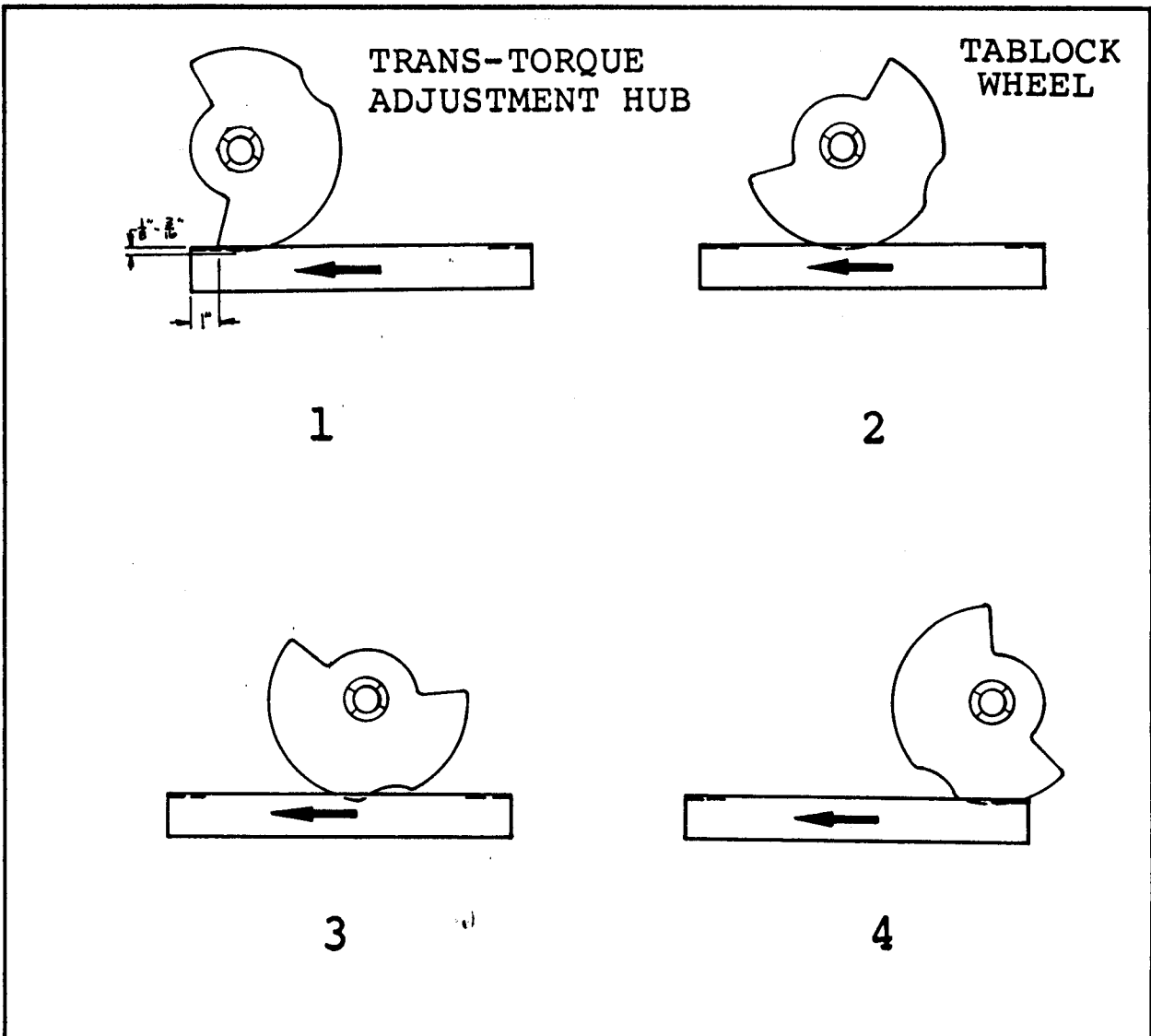
There may be reasons why the tablock does not work properly. Listed below are some reasons why this happens and the way to put it back in time with the carton.

- A. During shipment the trans-torque may have come loose and the tablock wheel comes out of time with the carton.
- B. For some reason or another the whole tablock wheel has moved up or down.

Below in FIG. 1.1 are ways to adjust the tablock wheel and the location of the adjustment points.

The point of the tablock wheel should begin contact on the top of the carton approximately 1" back from the edge of the carton as shown in FIG. 1.1.

To raise or lower the tablock wheel turn the adjustment handle. To engage the locks, the tablock wheel should push the top major flap down into the carton about 1/8" to 3/16". This in turn locks the tablock flap to the minor flaps.

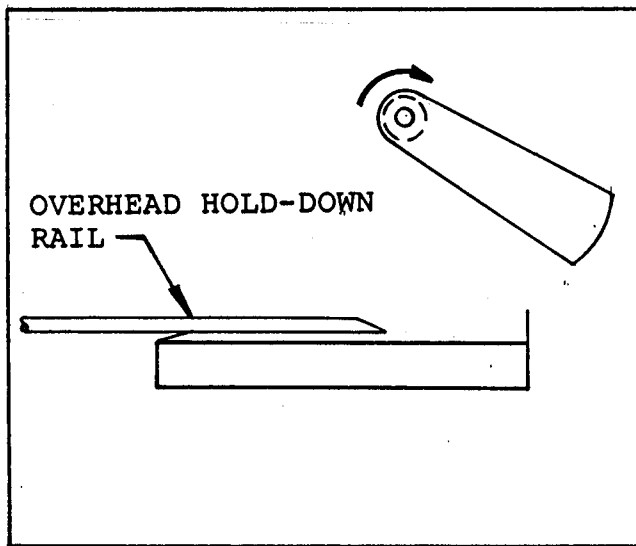




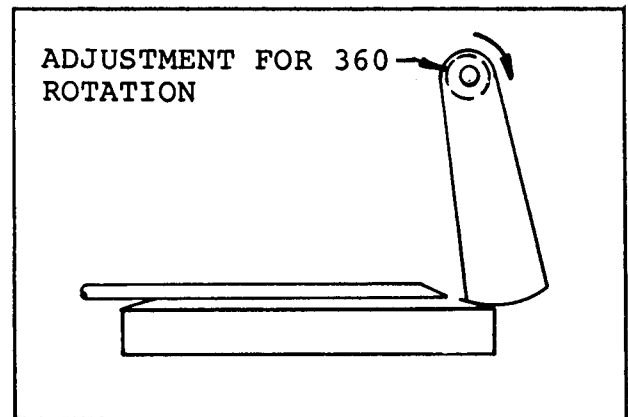
## TUCKER ADJUSTMENT

There may be reasons why the tucker may come out of time with the minor flap of the carton. Listed below are some of these reasons why this may happen.

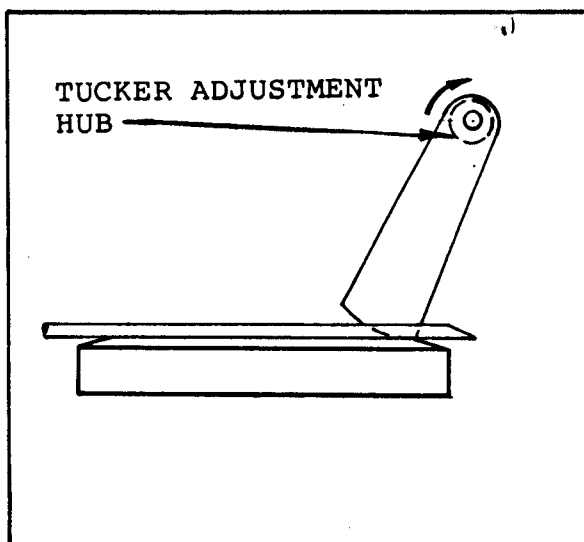
- A. The tucker hubs may have come loose and the tuckers rotated out of time.
- B. The screws on the splicer coupler may have come loose causing the keystick to fall out.



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2



3

## QUOTE

Date:9/4/2007

[illegible]

AD - I can help with this if you want.  
Tom

## KODIAK CARTONERS

DATE: 9/13

Send to: AD CUMMINGS

Attention: L

Office Location:

Fax Number: 608 837 5467

From: STEVE GONZALES

Office Location:

Phone Number: 559 266 4844

Number of Pages, Including Cover: 1

☐ URGENT ☐ REPLY ASAP ☐ PLEASE COMMENT ☐ PLEASE REVIEW ☐ FOR YOUR INFORMATION

### COMMENTS:

MR CUMMINGS. I RECEIVED THE  
PICTURES OVER THE FAX, BUT THERE  
NOT VERY CLEAR. IS THERE ANY  
CHANCE OF E-MAILING THEM. TO  
YWDIND@PAEBELL.NET

thanks

Steve

**AD Cummings**

1-559-266-4844

From: Tom Seagren  
 Sent: Friday, August 24, 2007 2:49 PM  
 To: AD Cummings  
 Cc: Melissa Mueller  
 Subject: Tanney on Line #5 and Kodiak

AD

We are looking at testing a box that might have a "header" (a piece of cardboard that protrudes over the top of the box). To run this we would need pushers that are no taller than the height of the box. First of all, can we get pusher this high, second do you think this will work? I will have creative send over a mock up of the box.

Check into the lug issue and get costs if they are available.

Missy - Please send over a mock up of a box for me to show AD.

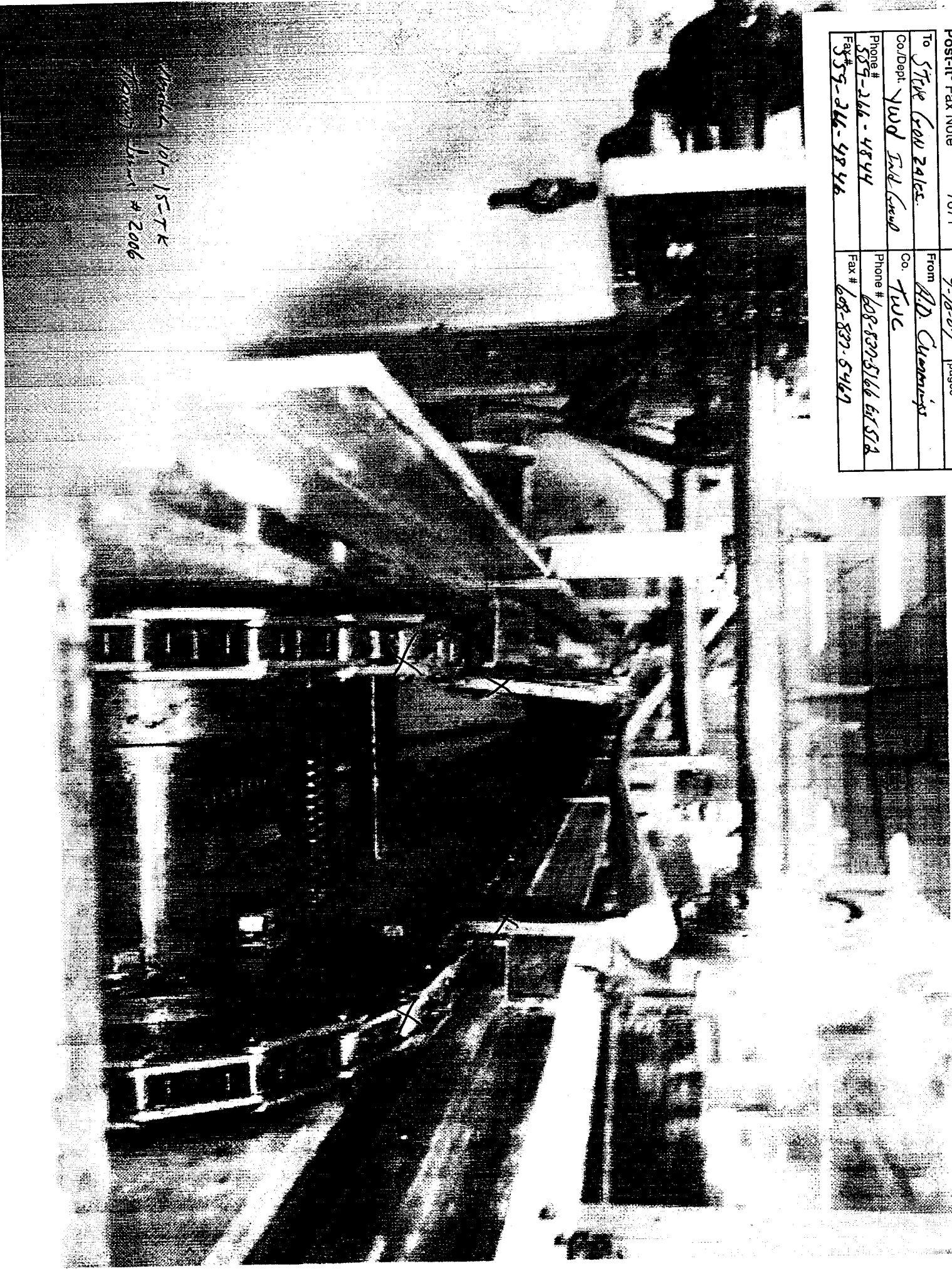
Thanks  
 Tom

Kodiak  
 model 910-150 Sn # 2622 1 1/2"  
 model 901 12 EL Sn # 2319 1 1/2"  
 807-15-EN  
 model 807-15 EN Sn # 2137-TK  
 83715  
 model 101-15 TK SC # 2006  
 101-15-TK  
 Brite  
 mail  
 Chaus by Logo for #132

08/24/2007

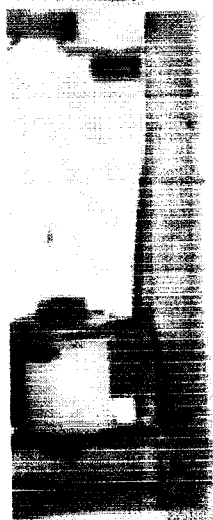
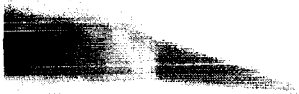
Post-It® Fax Note		7671	Date	9-18-07	# of pages
To	Steve Green Sales		From	AD Chemnitz	
Co./Dept	Wood End Land		Co.	TWC	
Phone #	559-266-4844		Phone #	608-839-5166 61572	
Fax #	559-266-4844		Fax #	608-839-5469	

Model 101-15-TK  
 10/1/07 11:11 AM #2006



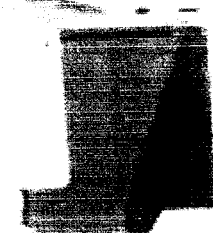
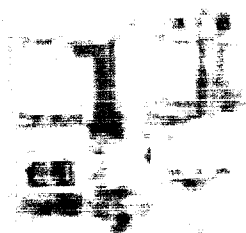
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Post-It® Fax Note		7671	Date	9-10-07	# of pages
To	Steve Grov 2412		From	H.D. Clemmings	
Co./Dept	Yud Ind Fund		Co.	Tuc	
Phone #	559-266-4844		Phone #	608-837-5166 ext 512	
Fax #	559-266-4844		Fax #	608-837-5467	

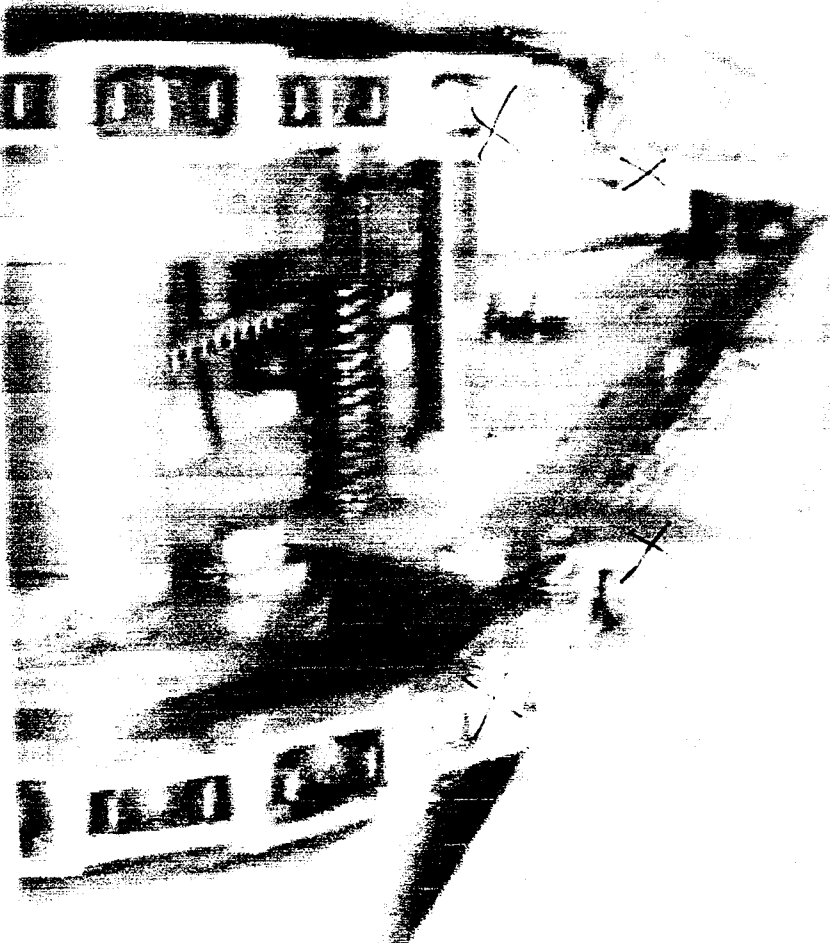
Mended 101-15-7K  
 Toney Lewis # 2006





Post-it Fax Note		7/2/1		pages	
To	Steve Gou 2415	From	A.D. Cummings		
Co./Dept	Wood Ind Group	Co.	True		
Phone #	334-266-4544	Phone #	608-500-5111		
Fax #	334-266-4544	Fax #	608-500-5111		

Models 101-15-TK  
 Tandy Series # 2006



REQ. BY: ASC

# THE WISCONSIN CHEESEMAN

NO. \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

## PURCHASE REQUISITION

DATE 8-13-09

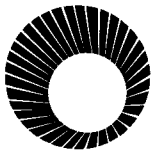
Delivery/Pickup Instructions			<input checked="" type="checkbox"/> All information listed pertains to an emergency purchase already completed. <input type="checkbox"/> Voucher No. _____	
			TO BE USED IN . . .	
1	Qty	Item Size	Description	Department/Location
		Part No		
	Vendor	Address		\$ _____ MFG NON-MFG
2	Qty	Item Size	Description	Department/Location
		Part No		
	Vendor	Address		\$ _____ MFG NON-MFG
3	Qty	Item Size	Description	Department/Location
		Part No		
	Vendor	Address		\$ _____ MFG NON-MFG

### SPECIAL INSTRUCTIONS TO BUYER

### BUYER'S NOTES

No.	ORDER NUMBER	ANTICIPATE DELIVERY ON:
BUYER:		DATE:

BUYER'S COPY - (white)    ACKNOWLEDGEMENT/PICKUP ORDER - (yellow)    REQUESTOR'S COPY - (pink)



# EMS INDUSTRIAL, INC.

<b>MADISON</b>	<b>MILWAUKEE</b>	<b>ROCKFORD</b>	<b>JANESVILLE</b>	<b>DUBUQUE</b>
Tel: (608) 241-8866	Tel: (414) 423-8787	Tel: (815) 636-8100	Tel: (608) 754-4403	Tel: (563) 583-4567
Fax: (608) 241-5453	Fax: (414) 423-8870	Fax: (815) 636-8800	Fax: (608) 754-5808	Fax: (563) 583-3713

Line #1 Tandy Model 101-15-TK Ser # 2206

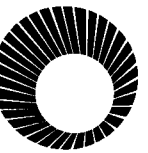
Line #2 Tandy Model # 809-15-EM Ser # 2139-TK

Line #3 Tandy 901-12-EL Ser # 2319

Kodak 910-158 Ser # 2699



**GARDNER DENVER**



# EMS INDUSTRIAL, INC.

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**ROCKFORD**

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Fax: (815) 636-8800

**JANESVILLE**

Tel: (608) 754-4403  
Fax: (608) 754-5808

**DUBUQUE**

Tel: (563) 583-4567  
Fax: (563) 583-3713

1-534-266-4844

1 Aug 800-15-EN Su # 2137 TK

1 Aug # 2 Pulley John # 2139-561-0000  
1 Aug # 6 Pulley Belt drive # 2139-561-0000  
1 Aug # 4 Belt # 2139-561-0000  
1 Aug # 10 Belt # 2139-561-0000

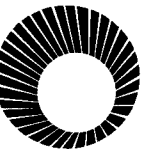
EXT

1 Aug Toney (Steve Jones parts)

3/4" Lugs In Kdunk 910-158 Su # 2677  
1/2" 17 Toney 901-12 Ex Su # 2349



**GARDNER DENVER**



**EMS INDUSTRIAL, INC.**

<b>MADISON</b> Tel: (608) 241-8866 Fax: (608) 241-5453	<b>MILWAUKEE</b> Tel: (414) 423-8787 Fax: (414) 423-8870	<b>ROCKFORD</b> Tel: (815) 636-8100 Fax: (815) 636-8800	<b>JANESVILLE</b> Tel: (608) 754-4403 Fax: (608) 754-5808	<b>DUBUQUE</b> Tel: (563) 583-4567 Fax: (563) 583-3713
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*Thermy's Kodak* *1-559-266-4844*  
*Jack Thermy* *Call C 155 5:05-09*  
*Large 1/2 Chan to #1 1/2 Thermy's*  
*3 Thermy's to 100's Kodak*  
*3*



**FD** **GARDNER DENVER®**