Bench Operations Manual

Setting Up The Machine

- The machine should be set on as level ground as possible.
- Using a carpenters level, level the machine trailer both front to back and side to side.
- Swing the mounted augers out ready for use.

Screen Installation

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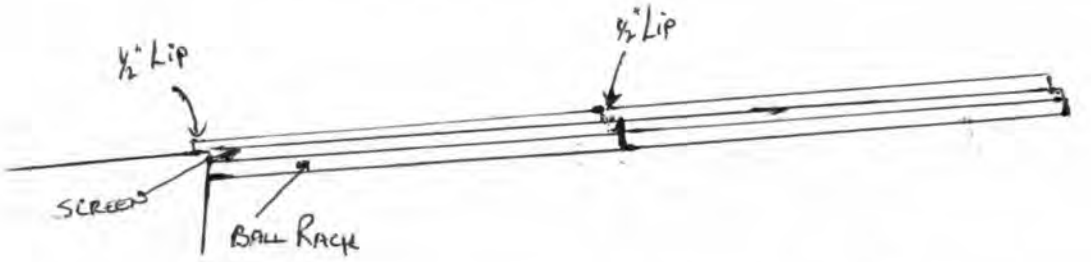
- Open the access door at the intake end of the machine. The machine is equipped with (3) three screen layers. Scalp, Grade and Sift.
- Scalp Deck - This Top Deck is to allow the product to fall through the screen and carry the larger debris on the Top of the screen into Dockage Discharge.
- Grade Deck - This centre deck carries most of the clean product on Top of the screen into clean grain and allows the smaller product and debris to fall through the screen to the bottom deck. This allows the lower (sift) deck more room to work.
- Sift Deck - This lower deck separates (sifts) the smaller clean product, carried on the Top of the screen to clean grain discharge, and small weed seeds that fall through the screen to be carried to Dockage Discharge.

SCREEN INSTALLATION CONT

- THERE ARE TWO (2) 36" x 54" SCREEN SECTIONS WHICH ARE PLACED ABOVE BALL RACKS ON EACH DECK.
- EACH BALL RACK CONTAINS (16) SIXTEEN COMPARTMENTS FOR RUBBER BALLS.
- EACH BALL RACK CONTAINS (5) FIVE BALLS PER COMPARTMENT, FOR A TOTAL OF (80) EIGHTY BALLS PER BALL RACK.
- THE ENTIRE MACHINE WITH (2) TWO BALL RACKS PER DECK AND (3) THREE DECKS CONTAIN (480) RUBBER BALLS

- THE SCREEN HAS A ½" LIP THAT IS TO BE POSITIONED TOWARD THE DISCHARGE END TO PREVENT ANY PRODUCT LEAKAGE.
- BE CERTAIN THAT THE RAILS THAT SUPPORT THE BALL RACKS AND SCREENS ARE FREE FROM DEBRIS AND THAT THE HOLD DOWN RAILS ARE FREE MOVING.
- PUSH THE HOLD DOWN RAILS BACK TO THE OPEN POSITION. NOW YOU CAN LOAD BALL RACKS AND SCREENS.
- START WITH THE LOWER SIFT DECK AND WORK UPWARDS.
- THE SCREENS FIT WITH THE LIP OVER THE DISCHARGE END OF THE SHOE AS SHOWN IN (Fig 1) AND WITH THE ½" LIP of THE SECOND SCREEN OVER THE FRAME OF THE FIRST SCREEN SO THAT THERE IS NO PRODUCT LOSS.



SCREEN INSTALLATION CON'T

- THE INTAKE SCREEN AND BALL RACKS SHOULD BE FLUSH to prevent noise and damage.
- IF THEY ARE NOT FLUSH YOU MAY NEED TO PLACE A SPACER ON THE END.
- NOW YOU CAN LOCK THE SCREENS AND BALL RACKS IN WITH THE HOLD DOWN HANDLES.

START UP.

- START THE MACHINE AND LET IT RUN FOR A FEW MINUTES TO ALLOW THE BELTS TO WARM UP AND ALSO ALLOW YOU TO CHECK FOR NOISE OF LOOSE COMPONENTS.
- IF ANY EXCESS NOISE OCCURS, THE MACHINE SHOULD BE SHUT DOWN AND EXAMINED FOR LOOSENED PARTS.

* IF THERE IS ANY QUESTION CALL FLAMANS @ 1-888-435-2626

- ONCE YOU START PRODUCT INTO THE MACHINE START WITH A SMALL AMOUNT AND SLOWLY INCREASE THE VOLUME.

PRODUCT IN-FEED

- PRODUCT IS METERED INTO THE MACHINE BY WAY OF A VIBRATING PAN.
- FLOW IS SET BY USING THE GUAGED CRANK HANDLE.
- BEGIN WITH A SLOW RATE AND INCREASE UNTIL DESIRED CAPASITY WITH QUALITY IS ACHIEVED.

* - DO NOT OVERLOAD SCREEN DECKS OR DAMAGE MAY OCCUR

Air Controls.

- Air Separation on the Machine is controlled By Air Baffles. inside The machines Air Chambers
- When Starting The Product Through The machine set Air on Low setting (closed) and increase slowly.
- The Product will Begin Discharging From Air settings Augers under Air Settings Control.
- Slowly change Each Setting until You obtain Desired Results on Both Augers.

* - Note: After changing The settings You will need To wait several minutes Before Actual Results are noticed.

Final Air Column Adjustment

- For maximum Efficiency of Final Air, The slide Gate should Be set as close to The Top of The Product As possible.
- When starting a New Product, The slide Gate should Be opened Far Enough so That The Product Back up into The shoe.
- Once capasity is set, You can Fine Tune By Turning The Slide Gate Down.

* Important Notes.

- Clean up After use.

Caution - If any unusual vibration or excess noise Shut Down machine and call Flamans @ 1-888-435-2626

Warning - Keep Hands and Loose clothing Away From moving parts. Failure could Cause injury or Death.

BENCH AIR & SCREEN

	A 1	A 2	A 3	A 4	A 5	A 6
WHEAT	13 RD	13 RD	7 x 3/4	7 x 3/4	5 .5 x 3/4	5.5 x 3/4
DURUM	13 x 3/4	13 x 3/4	7 x 3/4	7 x 3/4	5.5 x 3/4	5.5 x 3/4
BARLEY	13 X 3/4	13 X 3/4	7 X 3/4	7 X 3/4	6 X 3/4	6 X 3/4
PEAS	24 RD	24 RD	22 RD	20 RD	13 X 3/4	13 X 3/4
LAIRDS	11 X 3/4	11 X 3/4	9 X 3/4	8 X 3/4	14 RD	14 RD
CRIMSON	7 X 3/4	7 X 3/4	6.5 X 3/4	6 X 3/4	9 RD	9 RD
DESI	24 RD	24 RD	22 RD	20 RD	11 X 3/4	11 3/4

Flow Diagram