

ONE: BALE DEWIRING CONVEYOR FEED SYSTEM MODEL CB-6-60-11-23A35-27

- HEAVY DUTY CLOSED-OPEN FRAME STYLE CONVEYOR BUILT TO INDUSTRY STANDARDS WITH A HEAVY STEEL PAN ROLLER CHAIN BELT.
- BELT WIDTH 60"
- BELT PATH STYLE "S" SHAPED WITH A LOWER HORIZONTAL FEED AREA OF 10' 7" (TOP OF BELT TO BE AT GRADE) AN INCLINE SECTION OF 22' 10" AT 35 DEGREES AND AN UPPER HORIZONTAL SECTION OF 3'.
- BELTING COMBO BELT 6" PITCH PIANO HINGE STEEL BELT
CONSTRUCTED AS FOLLOWS:
- BUSHINGS .76 ID X 1.12 OD X 2.06 LONG 1018 SOLID, MACHINED BUSHING. CARBURIZED, HARDENED RC 55-60, PRESS FIT INTO INNER SIDE BARS.
- PINS STEEL, 3/4" DIAMETER HEADED STUB PIN ENDS ARE MILLED FLAT TO
- BELT PANS 1/4" THICK, 60" WIDE PRECISION DIE FORMED PANS
FULLY CLOSED LOOPS
- REINFORCEMENTS CHANNEL REINFORCEMENTS WELDED TO THE UNDER SIDE ACROSS THE WIDTH OF EVERY OTHER HINGE LINK. THIS INCREASES THE STRENGTH OF BELT PAN AS WELL AS LIMITS DEFLECTION OF BELT UNDER SEVERE IMPACT. IMPACT SHOES @ CENTER.
- SIDE WINGS 3" HIGH PRECISION DIE FORMED INTERLOCKING OFFSET WINGS, 1/4" THICK, WINGS PLUG WELDED TO PANS
- CHAIN 2" WIDE X 3/8" THICK (2) STRANDS 14,000# BELT PULL
- SIDE BARS PRECISION DIE PUNCHED HIGH CARBON STEEL
- BUSHINGS SOLID, 3/4" I.D. X 1-1/8" O.D. X 2-1/16" HARDENED
- HINGE SLEEVE STEEL TUBING LINER OVER PIN THROUGH BELT HINGE JOINT TO ENHANCE STRENGTH AND EXTEND LIFE
- PINS STEEL, 3/4" DIAMETER, PIN ENDS ARE MILLED FLAT TO
LOCK INTO OUTER SIDE BARS
- ROLLERS SINGLE FLANGE: 3" DIAMETER X 1-1/2" FACE HARDENED
SINTERED STEEL WHEELS
- TRACKS 30# ASCE RAIL DESIGNED TO PREVENT MATERIAL BUILDUP AND PROVIDE A SMOOTH SURFACE FOR BELT AND ROLLERS TO TRAVEL.
- CLEATS ANGLE TYPE, 4" & 3" HIGH ALTERNATING CLEATS @ 48" CENTERS.
- BELT SPROCKETS 6 TOOTH, 6" PITCH, 12" PITCH DIAMETER, WITH
HARDENED TEETH
- DRIVE 10 HP 1800 RPM VARIABLE SPEED ELECTRIC MOTOR
230/460 VOLTS, 3
PHASE, 60 HERTZ, TEFC CONTINUOUS DUTY MOTOR WITH A 1.15 S.F. AND ROLLER CHAIN FROM REDUCER TO SPROCKET OF HEAD SHAFT. CHAIN TYPE 140#. THIS CONVEYOR ALSO SUPPLIED WITH A
SHEAR PIN SPROCKET HUB ASSEMBLY FOR OVERLOAD PROTECTION WITH 1" SHEAR PIN 60 TOOTH SPROCKET.
- TRANSMISSION DODGE QUANTIS
- SPEED MAXIMUM F.P.M. 60
- SHAFTING HEAD SHAFT 3 7/16 DIA. TAIL SHAFT 2 7/16.
- SPECIAL FEATURES CONVEYOR IS FURNISHED WITH BACKSTOP TO PREVENT CONVEYOR BELT FROM ROLL BACK UNDER FULL LOAD. ELECTRIC OILER(S), GRAVITY FED, 1 QUART CAPACITY. ALSO INCLUDED AND SHIPPED LOOSE FOR FIELD MOUNTING ARE (2) PUSH BUTTON "E" STOPS. REMOVABLE TAIL SECTION FOR FULL ACCESS TO BEARINGS, SHAFT AND BELTING.
- SIDE & BELLY GUARDS PROVIDED IN AREAS OF PERSONAL ACCESS UP TO 8' ABOVE GRADE.
- SIDE SKIRTS 24" HIGH ON LOWER HORIZONTAL AND 42" HIGH ON
INCLINE AND UPPER HORIZONTAL
- LOAD BAR SINGLE IMPACT RAILS TO LIMIT DEFLECTION OF BELT UNDER FULL LOAD LENGTH OF CONVEYOR
- PAINT FINISH COAT TO SUIT

ONE: GS-1 GREEN SCREENS® MINI POLISHER REMOVAL SYSTEM MODEL 72-16

-POLISHING SYSTEM IS DESIGNED TO SEPERATE FIBER AND PLASTIC BAG TYPE RESIDUE FROM POST CONSUMER CONTAINERS.

SCREEN WIDTH: 72" WIDE.SCREEN
SCREEN LENGTH 185" LONG
DISCS: COMPOSITE DISCS
SPACERS PATENT PEND METAL WRAP RESISTANT DISC SPACERS
IFO: 9/16" X 2 3/4"
SHAFTS: (16) 3" SQUARE SHAFTS.
MOTORS: (1) 7 ½ HP, (1) 5 HP TEFC ENERGY EFFICIENT BREAK MOTOR
REDUCERS: SHAFT MOUNTED REDUCERS.
DRIVES: VARIABLE FREQUENCY DRIVES PROVIDED
ANGLE: MAIN DECK 35° TO 45° INCLINE HYDRAULICALLY ADJUSTMENT TAIL DECK 25° ADDITIONAL UPWARD INCLINE HYDRAULICALLY ADJUSTMENT. DUAL CONTROLLED CYLINDERS WITH PUMP AND HOLDING TANK
AUTO LUBE: AUTOMATIC OILER FOR DRIVE CHAIN, SELINOID DRIVED THROUGH MANIFOLD SYSTEM.
WEIGHT: APPROX. 13,800 POUNDS. (PLUS CHUTES AND SUPPORTS)
SUPPORTS PROVIDED
CHUTES PROVIDED

ONE: C-2 MINI POLISHER UNDERS CONVEYOR MODEL SL TNSFR 60-14
-HEAVY DUTY TROUGHED STYLE SLIDER BED TRANSFER CONVEYOR BUILT IN ACCORDANCE WITH INDUSTRY STANDARDS.

-BELT WIDTH 60"
-CONVEYOR LENGTH 13'11"
-BELT TYPE 330# 3 PLY RUBBER COS CHEVRON CLEATED
-MOTOR 5 H.P. 230/460 TEFC
-DRIVE DODGE TYPE DIRECT DRIVE
-BELT SPEED 175 FPM
-DRIVE PULLEY 12" LAGGED HEAD PULLEY
-TAIL PULLEY 12" SELF CLEANING TAIL PULLEY
-SIDE WINGS 24" TALL BOTH SIDES

ONE: C-3 MEETERING INFEED CONVEYOR MODEL SL TNSFR 48-27
-HEAVY DUTY TROUGHED STYLE SLIDER BED TRANSFER CONVEYOR BUILT IN ACCORDANCE WITH INDUSTRY STANDARDS.

-BELT WIDTH 48"
-CONVEYOR LENGTH 26'11"
-BELT TYPE 250# 2 PLY RUBBER COS
-CLEATS 3" TALL STAGGERED CLEATS @ ALTERNATING 18" CENTERS
-MOTOR 5 H.P. 230/460 TEFC
-DRIVE DODGE TYPE DIRECT DRIVE
-BELT SPEED 175 FPM
-DRIVE PULLEY 12" LAGGED HEAD PULLEY
-TAIL PULLEY 12" SELF CLEANING TAIL PULLEY
-SIDE WINGS 24" TALL BOTH SIDES

ONE: GS-2 GREEN SCREENS® FINES REMOVAL SYSTEM MODEL 48-5

-FINES REMOVAL SYSTEM IS DESIGNED TO SEPARATE RESIDUAL CONTAMINANTS FROM CONTAINERS.

SCREEN WIDTH: 48" WIDE SCREEN
DISCS: STEEL STAR DISCS HARDENED TO 500 BRINELL
IFO: SHAFTS 1-5 ARE 5/8" X 2 ¼"
SHAFTS: 5 SHAFT 3" SQUARE SHAFTS.
MOTORS: ONE (1) 5 HP TEFC ENERGY EFFICIENT GEAR MOTORS (460/3/60)
REDUCERS: SHAFT MOUNTED REDUCER.
DRIVES: VARIABLE FREQUENCY DRIVE
ANGLE: FIXED

AUTO LUBE: AUTOMATIC OILER FOR DRIVE CHAIN, SOLENOID DRIVE THROUGH
MANIFOLD SYSTEM.
WEIGHT: APPROX. 4,000 POUNDS.
SUPPORTS PROVIDED
CHUTES PROVIDED

ONE: C-4 MAGNET TRANSFER CONVEYOR MODEL SL TNSFR 48-16
-HEAVY DUTY TROUGHED STYLE SLIDER BED TRANSFER CONVEYOR BUILT IN
ACCORDANCE WITH INDUSTRY STANDARDS.

-BELT WIDTH 48"
-CONVEYOR LENGTH 15'7"
-BELT TYPE 250# 2 PLY RUBBER COS
-MOTOR 3 H.P. 230/460 TEFC
-DRIVE DODGE TYPE DIRECT DRIVE
-BELT SPEED 175 FPM
-STAINLESS BED 4' LONG UNDER MAGNET
-DRIVE PULLEY 10" LAGGED HEAD PULLEY
-TAIL PULLEY 10" SELF CLEANING TAIL PULLEY
-SIDE WINGS 12" TALL BOTH SIDES

ONE: CBM-1 CROSS BELT MAGNETIC SEPARATOR MODEL CBS-36
-CROSS BELT MAGNETIC SEPARATOR DESIGNED TO LIFT TIN CANS FROM THE
COMMINGLED SORT BELT AND DEPOSIT IN THE DESIRED GRAVITY DISCHARGE BIN.

BELT WIDTH 30"
CLEATS 3" TALL @ 24" CENTERS
BELT TYPE 2 PLY 200# RUBBER

MAGNET SIZE 36" X 16" PERMANENT
SUPPORT STRUCTURE HEAVY STRUCTURAL STEEL

FOUR: MZ-1 POST SORT MEZZANINE MODEL STMZ 4-8-V-125
-MEZZANINE DESIGN AS A COMBINATION CONTAINER POST-SORT/ GREEN EYE
MAINTENANCE PLATFORM.
STRUCTURAL IS BUILT OF HEAVY STRUCTURAL SHAPES AND IS DESIGNED TO MEET
OSHA STANDARDS AND CODE.

DECK FOOTPRINT 130 TOTAL SQUARE FEET
DESIGN LOAD 125 PSF
COLUMN SIZE 6" TUBE
DECK HEIGHT VARYING HEIGHTS
DECK TYPE ANTI-SKID DIAMOND PLATE
STAIRS (1) SET EACH DECK

FOUR: GE-1, 2, 3, 4 GREEN EYE® OPTICAL SORTER MODEL GE-60-5-SRT
-PATENT PENDING OPTICAL SORTING SYSTEM DESIGNED FOR POST CONSUMER WHOLE
BOTTLE SORTING AT AN ESTIMATED RATE OF 9 TONS PER HOUR. MULTIPLE GRADE
SELECTION

ACCELERATOR BELT WIDTH 60"
ACCELERATOR CONVEYOR LENGTH 12' MAXIMUM
BELT TYPE 200# PVC CHEMICAL RESISTANT COS
CONVEYOR DRIVE 7.5 hp 400 - 700 fpm
EJECTION AIR NOZZLES (78) HIGH SPEED INDIVIDUALLY
ACTIVATED
EJECTOR PLATE AIR KNIFE DESIGNED TO AUTOMATICALLY CLEAN BELT
EVACUATION SYSTEM 3 hp CONVEYOR DISCHARGE WITH SORT
AREA

LIGHT BAR SOURCE AUTOMATICALLY ADJUSTING
TOUCH SCREEN OPERATION FULL DIAGNOSTICS & MATERIAL SELECTION
REMOTE ACCESS ETHERNET EXTERNAL MODEM CONNECTION
CLIMATE CONTROLS OPTICAL SENSOR CABINET HVAC SYSTEM
PICK RATES 90% OR HIGHER DEPENDING ON RESIDUE

RESIDUE RATES 5% OR LESS

OUTSIDE AIR DUCT WORK FOR ALL AIR CONDITIONING UNITS BY OTHERS

FOUR: C-5,6,7 MEETERING OPTICAL INFEEED CONVEYOR MODEL SL TNSFR 48-27

-HEAVY DUTY TROUGHED STYLE SLIDER BED TRANSFER CONVEYOR BUILT IN ACCORDANCE WITH INDUSTRY STANDARDS.
-BELT WIDTH 48"
-CONVEYOR LENGTH 20'11"
-BELT TYPE 250# 2 PLY RUBBER COS
-CLEATS 3" TALL STAGGERED CLEATS @ ALTERNATING 18" CENTERS
-MOTOR 5 H.P. 230/460 TEFC
-DRIVE DODGE TYPE DIRECT DRIVE
-BELT SPEED 175 FPM
-DRIVE PULLEY 12" LAGGED HEAD PULLEY
-TAIL PULLEY 12" SELF CLEANING TAIL PULLEY
-SIDE WINGS 24" TALL BOTH SIDES

FOUR: C-8 METERING EDDY CURRENT INFEEED CONVEYOR MODEL SL TNSFR 48-27

-HEAVY DUTY TROUGHED STYLE SLIDER BED TRANSFER CONVEYOR BUILT IN ACCORDANCE WITH INDUSTRY STANDARDS.
-BELT WIDTH 48"
-CONVEYOR LENGTH 24'11"
-BELT TYPE 250# 2 PLY RUBBER COS
-CLEATS 3" TALL STAGGERED CLEATS @ ALTERNATING 18" CENTERS
-MOTOR 5 H.P. 230/460 TEFC
-DRIVE DODGE TYPE DIRECT DRIVE
-BELT SPEED 175 FPM
-DRIVE PULLEY 12" LAGGED HEAD PULLEY
-TAIL PULLEY 12" SELF CLEANING TAIL PULLEY
-SIDE WINGS 24" TALL BOTH SIDES

ONE: EC-1 EDDY CURRENT SEPARATOR MODEL REEC 14-30-8

-EDDY CURRENT ALUMINUM SEPARATOR BUILT WITH A WALKER MAGNETICS REEC EDDY CURRENT HEAD AND AN ACCOMPANIED GREEN CONVEYOR.
CONVEYOR WIDTH 30"
CONVEYOR LENGTH 7'
BELT TYPE PVK WITH 2" BELT SIDE WALLS
EDDY HEAD 14" DIA. REEC HEAD
MOTOR SIZE 10 H.P. 460V
TAIL PULLEY 14" LAGGED TAIL PULLEY DRIVE
MOTOR SIZE 2 H.P. DIRECT DRIVE

FOUR: VENTURI TRANSPORT FANS

-COLLECTION FANS PROVIDED WITH DUCT WORK DESIGNED TO TRANSPORT SORTED PLASTIC BOTTLES TO HOLDING BUNKERS, BUNKERS PROVIDED BY OTHERS.
FAN SIZE 8,000 CFM
MOTOR SIZE 20 HP
\DUCT SIZE 20"

ONE: ELC-1 MODEL EL-C-BG

-ELECTRICAL CONTROL PANELS BUILT IN ACCORDANCE TO STATE AND FEDERAL REGULATIONS. VARIABLE SPEED CONTROLS ADDED TO OPERATE AND INTERFACE CUSTOMERS BALE BREAKER WITH GMS SYSTEM. THE ENTIRE SYSTEM WILL HAVE FULL AUTOMATIC START AND MAINTENANCE MODE OPERATIONS. ALL CONVEYORS TRANSPORTING ACCEPT THE RE-RUN CONVEYOR WILL HAVE VARIABLE SPEED DRIVES TO ALLOW FOR BELT AND SCREEN SHAFT SPEED ADJUSTMENTS. FIELD WIRING AND ELECTRICAL DROPS BY OTHERS. ALL MUSHROOM HEAD, PULL CORD EMERGENCY STOPS CONTROLS PROVIDED.

ETHERNET CXONECTED SMART CONTROLS WILL BE PROVIDED TO ALLOW EXTERNAL
MAINTENANCE INTERFACE AND SYSTEM INFORMATION DOWN LOADS.