

I. GENERAL DESCRIPTION

A. MODEL: Batch—TSAP2000P

B. 170 T/H CAPACITY (80 cycles per hour)

Based on 5% aggregate moisture content

C. PORTABLE BATCH TYPE

D. SERVICE VOLTAGE

460 V/60hz 3 phase or fixed upon request

E. OPERATION

Computerized control panel with manual control backup (Speco computer controls)

F. 4400 LB/BATCH CAPACITY

II. AGGREGATE CONTROL SYSTEM

A. COLD FEED BIN

- 1.) 15 ton heaped capacity (247 cubic foot capacity non-heaped)
- 2.) 5 sets 10'x 13' with no flow sensors
- 3.) Bin vibrating motor 0.33 HP for 2 bins

B. HORIZONTAL BELT CONVEYOR

- 1.) Belt type
- 2.) 180- t/h capacity
- 3.) 24" wide
- 4.) 7.5 HP motor
- 5.) 3 HP belt feeder (4 sets)
- 6.) Weigh belt

C. PORTABILITY

- 1.) Completely portable on a single axle assembly
- 2.) Includes four 10:00 X 20 tires and wheels, fifth wheel pin, air brakes, turn and stop lights and mud flaps

III. AGGREGATE HEATING AND MIXING EQUIPMENT

A. DRUM DRYER

- 1.) Cylindrical and inclination type
- 2.) 170 ton per hour with 5% aggregate moisture
- 3.) 87" diameter x 28' long
- 4.) 15 HP motor (4 sets/ 4 wheel drive)
- 5.) Insulated with ceramic fiber and stainless steel sheet cover

B. KNOCKOUT BOX

- 1.) 51" X 92" X 106"
- 2.) Dust Return Screw Conveyor Motor 3HP x 3 sets

C. DRUM BURNER (Hauck)

- 1.) Low pressure and spray type
- 2.) For heavy oil, diesel or gas (Set up for single fuel source Propane)

D. TURBO BLOWER

- 1.) Turbo fan type
- 2.) 40 HP motor

E. PORTABILITY

- 1.) Completely portable on a dual axle assembly
- 2.) Includes eight 10:00 X 20 tires and wheels, fifth wheel pin, air

brakes, turn and stop lights and mud flaps
IV.AGGREGATE SCREENING, WEIGHING & MIXING EQUIPMENT

A.HOT ELEVATOR

- 1.) Vertical and induced discharge type
- 2.) 180 t/h
- 3.) 20 HP motor

B.VIBRATING SCREEN

- 1.) 2 decks slanted type
- 2.) 180 t/h capacity
- 3.) 10 HP motor (2 sets)
- 4.) Screen sizes to customer specifications

C.HOT BIN

- 1.) 4 sections with over-flow exit with temp read outs on bins
- 2.) 20 tons (423 cubic feet capacity)

D.AGGREGATE WEIGHING

- 1.) Load cell type
- 2.) Accumulative weighing method
- 3.) 2 LB (min.) – 5,500 LBS (max.)
- 4.) 4 ton (77 cubic feet weighing hopper)

E.ASPHALT WEIGHING

- 1.) Load cell type
- 2.) Individual weighing method
- 3.) 0.4 LB (min.) – 880 LBS (max.)
- 4.) 1700 lb. (17 cubic feet weighing hopper)

F.FILLER WEIGHING

- 1.) Load cell type
- 2.) Individual weighing method
- 3.) 1 LB (min.) – 880 LBS (max.)
- 4.) ½ ton (10 cubic foot weighing hopper)
- 5.) 50 ton dust silo

G.MIXER

- 1.) Twin shaft pugmill type with excess door
- 2.) 4,400 LB/batch
- 3.) 100 HP motor
- 4.) External temp gauge

H.ASPHALT SPRAY UNIT

- 1.) Jacket type geared pump
- 2.) 20 HP motor
- 5.) 250 gal/min
- 6.) With return built in to return A.C. to tanks

I.AIR COMPRESSOR

- 1.) 15 HP
- 2.) Air cooling type

J.PORTABILITY

- 1.) Completely portable on a dual axle assembly

- 2.) Includes four 10:00 X 20 tires and wheels, fifth wheel pin, air brakes, turn and stop lights and mud flaps

V. ASPHALT SUPPLYING EQUIPMENT

A. ONE ASPHALT TANK'S

- 1.) Horizontal type
- 2.) 30,000 gallons temp controlled sepretly
- 3.) Heated via heated coil circulation pipes from the hot oil heater
- 4.) 2" (t) insulation level gauge and dial type temperature gauge

B.ASPHALT SUPPLY PUMP (TANK TO WEIGHER)

- 1.) Jacket type geared pump
- 2.) 10 HP motor
- 3.) Strainer is the filtering device

D.ASPHALT PIPING

3" x 4" double piping material with necessary valve

E.PORTABILITY

- 1.) Completely portable on a Tandem axle assembly
- 2.) Includes eight 10:00 X 20 tires and wheels, fifth wheel pin, air brakes, turn and stop lights and mud flaps

VI. HOT OIL CIRCULATION EQUIPMENT

A.HOT OIL HEATER (Mounted on one A.C. Stand)

- 1.) Horizontal type
- 2.) 2.4 million BTU
- 3.) Heating oil capacity 555 gallons
- 4.) Includes hot oil heater control panel and automatic temperature regulator with full-automatic 24 hr timer

B. BURNER

- 1.) Automatic high pressure spray type
- 2.) 1 HP motor

C.CIRCULATION PUMP

- 1.) Water cooling type
- 2.) 7 HP motor
- 3.) Cooling water pump at 5 -gallons/min. ¼ HP

D.PIPING

2" piping material

VII. ELECTRIC POWER AND CONTROL SYSTEM EQUIPMENT

A. SPECO COMPUTER CONTROL PANEL IS DESIGNED FOR AUTOMATIC AND MANUAL OPERATION OF PLANT IN INDUSTRIAL CONDITIONS

- 1.) Vibration proof and table type panel
- 2.) Range of operating temperature is 32°F - 130°F
- 3.) Range of operating humidity is 30% to 85%

- 4.) Controlled by programmable computer and controller
- 5.) Main functions
 - a. Input various mixing ratios
 - b. Jogging control
 - c. Batch counting and discharge signaling
 - d. Digital indicator and bar graph of CRT screen for weighing and discharge conditions
 - e. Numerical control by CRT screen
 - f. Preserving its input data when power supply is cut off

B.ELECTRIC POWER DISTRIBUTION BOARD

- 1.) For the safety protection of equipment such as circuit breakers, contactors (magnetic switches)
- 2.) Thermal relays are used

C.PRINTER

- 1.) Used to check and print each control function of computer panel during the operation of the plant
- 2.) Vibration proof and pin type
- 3.) Range of operating temperature is 32° - 130°F
- 4.) Range of operating humidity is 30% - 85%
- 5.) Main functions are printing the serial number, date, month, year, time (hour, minute), ton/batch and its total, weighing value of each material (aggregate, filler, asphalt)

D.CONTROL SYSTEM FOR THE DRYER/BURNER

- 1.) Remote ignition control
- 2.) Valve opening ratio is displayed on the CRT screen
- 3.) Temperatures of dryer and hot bin are displayed on the CRT screen and controlled by control screen
- 4.) Efficiency of fuel oil consumption increases by 10% with this system

E.ELECTRIC WIRING AND CONTROL ROOM

- 1.) Various cables are used for each purpose as E.V. cable for driving parts, VCT cable for control parts and shield cable for load cell
- 2.) Portable type control room
- 3.) 8.9' wide x 18' long x 8.4' high is the size
- 4.) Inside finished with 2" insulated material
- 6.) One door three windows and office quality lighting
- 7.) Easy disconnects for wiring.

F.PORTABILITY

- 1.) Completely portable on a single axle assembly
- 2.) Includes eight 10:00 X 20 tires and wheels, fifth wheel pin, air brakes, turn and stop lights and mud flaps

VIII. DUST COLLECTING EQUIPMENT

A.EXHAUST FAN

- 1.) Plate fan type
- 2.) 120 HP motor for bag filter system

B.BAG FILTER

- 1.) Air pulse type
- 2.) Designed to handle 28,000 CFM at an air to cloth ratio 5.25:1 and an operating air temperature of 250-350° F
- 3.) Nomex filter bags
- 4.) Complete ductwork
- 5.) Dust removal conveyer
- 6.) 120 HP air compressor

C.ADDITIONAL ITEMS

- 1.) Screw conveyer
 - a.) Screw type
 - b.) 12" diameter x 19' long
 - c.) 10 tph capacity
 - d.) 5 HP motor
- 2.) Automatic control panel
- 2.) Pulse timer—automatic control

F.PORTABILITY

- 1.) Completely relocatable on jack legs

D. (2) ADDITIVE SILO'S

- 1.) 300 BBL
- 2.) Skirted to the ground
- 3.) Rotary Air Locks
- 4.) Hi and low bindicators
- 5.) Ladders and platform
- 6.) 40' x 12" enclosed augers to plant.

This is a complete VERY LOW TONNAGE plant (under 25,000 tons). This is a complete ready to go to work plant. Originally bought (AND PAVED) to pave a Asphalt Dam in the middle of an national forest with very tight pavement spec's. The original cost of the plant was over 1.4 million. VERY rare plant for a steal.