

# Astec ReMix™

## Cold Recycling Plant



### Applications

- Cold Central Plant Recycle (CCPR)  
[Primary Application]
- Cement Treated Base (CTB)
- Cement Treated Aggregate (CTA)
- Cold Mix
- Soil Stabilization

### Pugmill

- Twin shaft design mixing box with AR steel liners
- Electric motor with v-belt driven gear reducer
- Two heavy-duty 6" [152 mm] XHD counter rotating shafts interlocked with timed gears in an oil bath
- Double tip Ni-hard paddles in an overlapping spiral arrangement; adjustable paddle tip wall clearance range of 3/4" [19 mm] to 2" [50 mm]
- Adjustable dam gate
- Receiving hood with spray bar
- Inspection doors
- Hydraulic drop-out bottom to provide access for easy clean out

### Feed Conveyor

- Heavy-duty channel frame
- Electric head end drive

### Chassis

- Heavy-duty channel frame with gooseneck & kingpin
- Walking beam tandem axle with dual 11.0" x 22.5" tires (8 total)
- Manual landing gear
- 24" [610mm] wide walkway with operator's platform, stairway and handrails

### Free Water System

- 180 gpm [681 l/min] pump with a 3hp [2.2 kW] variable speed electric drive
- Flowmeter and valve

### Asphalt System (Optional)

- 90 gpm [340 l/min] pump with a 10hp [7.5 kW] variable speed electric motor
- Flowmeter and valve

### Dual Hoppers (Optional)

- Constructed of 1/4" [6.35mm] thick A-36 steel
- Variable speed electric drive on feeders

### Touchscreen and Controls

- Located on ground accessible panel mounted to the side of the plant
- Real-time trending and diagnostics
- Recipe memory
- Start/stop capability and speed control (where applicable) for plant motors
- Automatic material proportioning

### Cleanout System

- 2 gpm cleaner pump
- 10 gal. spray bar recirculating cleaner system
- 5 gal. water line cleaner system

| STANDARD                                | IMPERIAL | METRIC   |
|---|----------|----------|
| Discharge Height (A)                    | 5' 5"    | 1.7m     |
| Travel Length; kingpin to rear (B)      | 60' 6"   | 18.4m    |
| Standard Pugmill Mixing Chamber Size    | 4'x8'    | 1.2x2.4m |
| Pugmill Drive                           | 100hp    | 75kW     |
| Number of Paddle Tips in Mixing Chamber | 48       | 48       |
| Travel Weight (kingpin)                 | 9,441lb  | 4,283kg  |
| Travel Weight (axle)                    | 26,905lb | 12,204kg |
| Nominal Mixing Capacities *             | 300TPH   | 273MTPH  |
| Feed Conveyor Width                     | 36"      | 914mm    |
| Feed Conveyor Length                    | 36'      | 11 m     |
| Feed Conveyor Drive                     | 15hp     | 11.2kW   |
| Overall Plant Length (C)                | 62' 2"   | 4.3m     |
| Overall Plant Travel Width (D)          | 10' 9"   | 3.3m     |
| Travel Height (E)                       | 13' 5"   | 4.09m    |

| OPTIONAL                      | IMPERIAL           | METRIC            |
|-------------------------------|--------------------|-------------------|
| Primary Hopper Capacity       | 15 yd <sup>3</sup> | 1.5m <sup>3</sup> |
| Primary Hopper Width (F)      | 7'                 | 2.1 m             |
| Primary Hopper Length (G)     | 14'                | 4.3m              |
| Primary Feeder Width          | 36"                | 914mm             |
| Primary Feeder Drive          | 15hp               | 11.2kW            |
| Secondary Hopper Capacity     | 8 yd <sup>3</sup>  | 6.1m <sup>3</sup> |
| Secondary Hopper Width (F)    | 7'                 | 2.1 m             |
| Secondary Hopper Length (H)   | 14'                | 4.3m              |
| Secondary Feeder Width        | 36"                | 914mm             |
| Secondary Feeder Drive        | 10hp               | 7.5kW             |
| Travel Weight (kingpin) †     | 21,500lb           | 9,752kg           |
| Travel Weight (axle) †        | 34,100lb           | 15,468kg          |
| Feed Height/Travel Height (J) | 13' 6"             | 4.1 m             |

\*Throughput capacity is application specific.

† Travel weight dependant upon optional features added.

