



# SANY SLZ2000 INTEGRATED PLANT



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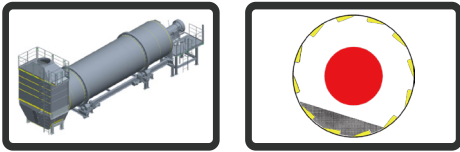
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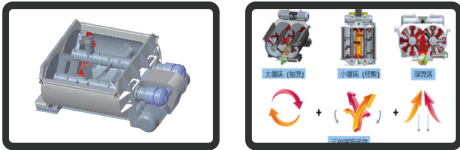
# Extra-long drying drum technology

- ◆ Extra-long RAP drying drum design, optimal "three-zone blade" layout, longer heat exchange time, efficiency raised by 15%; RAP material temperature can reach higher than 140℃
- ◆ No furnace and maintenance free, RAP material completely separated from flame, avoiding asphalt aging and can be heated quickly



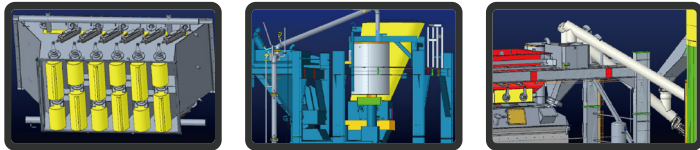
# Boiling-type mixing technology

- ◆ Mixing blades are arranged spirally, and can achieve axial major cycle, tangential minor cycle and middle turbulence mixing, making the asphalt more uniform, efficiency increased by 20%.
- ◆ Optimal L/D ratio design, with large opening discharge gate, shortening discharge time, mixing time decreased by 3s.



# Accurate weighing technology

- ◆ Applying "large and small gate discharging", "pulsating vibration" and "multi-speed" aggregate weighing, achieving rough and accurate measurement, and aggregate weighing error smaller than 20kg
- ◆ Frequency conversion and two-times weighing applied on asphalt weighing, achieving asphalt/aggregate ratio bias smaller than 0.1%  
Power weighing controlled by frequency conversion screw conveyor, reducing weighing error to 1kg



# Intelligent production technology

- ◆ Intelligent production: 1-button startup and shutdown; aggregate self-adaptive adjustment; auto temperature control; weight-free calibration; equipment health management
- ◆ Intelligent management system: achieving digitization in whole process of purchase-production-sale
- ◆ Safety production:material flow detection, high temperature warning of exhaust air and safe flameout procedures to ensure a full range of safe operation.



# Technical Specifications

| Item                                 | SLZ2000                                         |
|--------------------------------------|-------------------------------------------------|
| Fuel                                 | Light oil、heavy oil、 natural gas、 liquefied gas |
| Rated capacity (t/h)                 | 160~180                                         |
| Total power (kW)                     | 783                                             |
| Qty. of cold hopper                  | 4                                               |
| Volume of cold hopper (m³)           | 10                                              |
| Drying drum                          | Φ2×9 m                                          |
| Burner(MW)                           | 14                                              |
| Hot elevator (kW)                    | 18.5                                            |
| Screening motor (kW)                 | 2×2.9                                           |
| Hot bin compartment                  | 5                                               |
| Capacity of mixer (t)                | 3.5                                             |
| Mixer Motor (kW)                     | 2×45                                            |
| Mixed material storage bin (t)       | 40(optional)                                    |
| Qty. of bitumen tank                 | 2                                               |
| Volume of bitumen tank (m³)          | 50                                              |
| Qty. of diesel tank                  | 1                                               |
| Volume of diesel tank (t)            | 10                                              |
| Volume of filler silo (m³)           | 50                                              |
| Volume of reclaimed filler silo (m³) | 25                                              |
| Qty. of RAP hopper                   | 2                                               |
| Volume of RAP hopper (m³)            | 13                                              |
| RAP rated capacity (t/h)             | 180                                             |
| RAP drying drum                      | φ2.5 m × 12 m                                   |
| Hot RAP storage bin (t)              | 10                                              |
| Hot RAP weighing bin (t)             | 3                                               |

