



**Exposé**

**MAQUIYTEC**  
Maquinaria y Tecnologías






# **ERMONT TSM 21 XL**

## **Mobile Asphalt Mixing Plant**



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# ERMONT TSM 21 XL - Mobile Asphalt Mixing Plant

Offer number: A-140819-2005-01  
 Brand: ERMONT  
 Model: TSM 21 XL  
 Capacity: 130 till 320 t/h  
 Year of construction: 2005

## Technical data:

### I - Group cold aggregates comprising:

- Frame-type road trailer, double axel with dual wheels
- 4 hoppers online unit capacity of 16 t
- 3 extractors carpet volumetric width 0,65 m
- 1 weight width 0,65 m carpet extractor
- All extractors are driven by individual motor DC conjugates electronically
- All orders are collected on a control panel in the cab

### II - A drum mixer

- This device consists of a rotary cylinder equipped internally inclined various parentages to dry heat in coated materials with bituminous binders
- Heat exchange is carried out by a stream of hot gas parallel to the path aggregate
- It rests on a trailer chassis type

### Capacities:

Moisture	Temperature				
	120° C	130° C	140° C	150° C	160° C
2 %	320	320	320	320	320
3 %	320	320	314	297	281
4 %	290	275	260	246	233
5%	244	231	220	209	198
6%	209	200	189	180	174
7%	183	174	167	158	152
8%	162	156	147	143	136
9%	146	139	133	-	-

The dosage of bitumen is generated by a pump with a fixed cylinder and variable speed.

#### **ALL BURNERS INCLUDES:**

It rests on a trailer chassis type consists of:

- 1 burner with no part of refractory concrete
- Fully automatic electric ignition
- Remote control cabin acting servo valves on the air and fuel and for varying the heating power
- The main fuel used is the heavy fuel BTS # 2 (FOL)
- To the maximum operating conditions, consumption of between 6 and 9 l/t of dried material

#### **III - Storage 50 t with embedded scraper conveyor**

It rests on a trailer chassis type consists of:

- 1 scraper conveyor inclined
- 1 discharge hopper 3 t anti segregation entirely insulated, rocking for disposal whites
- Discharge of one hopper 50 t cylindrical fully insulated section with circular drain, cones and helmets warmed by electric heaters
- Deck with railing top, steps of drag conveyor
- Formatting station system by hydraulic lift drag conveyor equipped with two hydraulic cylinders
- Strain gauge weighing 50 t

#### **IV - Filter bag house**

The filter assembly 704 is composed of sleeves to an effective area of 725 m<sup>2</sup> fabric designed to filter 66.000 m<sup>3</sup>/h laden air.

- It consists of dual chamber housing:
- 1 compartment inlet gas loaded with fine dust
- 1 compartment clean gas output following the current standard, less than 100 mg/m<sup>3</sup> of waste gas
- The fine recovery is recycled pneumatically by FST in the booster pump at the arrival bitumen.
- The sleeves are of the single inverted pulse provided by a compressed air injection each row of steps.
- The Inspection and routine maintenance of all performed without entering the filter (access doors graduate with access to all races)

#### **V - Horizontal silo filler dispenser**

- The filler is stored in a silo 50 m<sup>3</sup>
- Extraction is done by worm
- A bucket elevator resumes and feeds a surge hopper controlled recovery and a regenerative weight tape dispenser.

## VI - Binder Park

It consists of a portable tank mother and daughter portable tank

The tank area includes:

- Capacity 100.000 liters or 40,000 liters of bitumen and 60,000 on heavy fuel
- Oil boiler 600 t/h equipped with a burner FOD
- Line exchanger 400 t/h
- 55 kVA generator producing the energy required to participate in binding and lighting of the plant.

**Auxiliary Tank area includes:**

- Capacity of 120 000 l or 500 l 2 times 52 bitumen and 15,000 liters of heating oil (FOD)

## VII - Generator

Mounted on a trailer, the generator has a soundproofed power of 640 kVA

## VIII - Trailer control

On the semi-trailer chassis, the set is composed of:

- 1 cab including a local pilot, a local power and local catches
- Local health with one W-C, sink and shower

## Status:

- Ex site in Spain

**Plant is in good conditions.**

**Sales price on request**

## Photos:





For more detailed photos with higher resolution  
see our web site  
[www.maquiytec.com/ph/ermont-tsm-21-xl.htm](http://www.maquiytec.com/ph/ermont-tsm-21-xl.htm)