

SINCE 2006

ASPHALT MIX ANALYZER



STANDARD: EN12697-1, ASTM D8159

This equipment is mainly used for extracting and separating asphalt, mineral powder from asphalt mixtures, and rubber particles in rubber asphalt(HTHY-8159A only). Asphalt can be recovered while calculating the asphalt content. The performance of recover asphalt is evaluated by subsequent relevant tests, so as to provide data support for the recovering of asphalt mixtures.

The equipment consists of cleaning system, centrifugal system, drying system and extraction system. The entire extraction and separation process is completed in a closed system, which is environmentally friendly and avoids direct contact between the operator and the solvent.



ZHUOZHOU TIANPENG INSTRUMENT MANUFACTURING CO., LTD. Website: www.testmould.com Tel:+86-312-3852880



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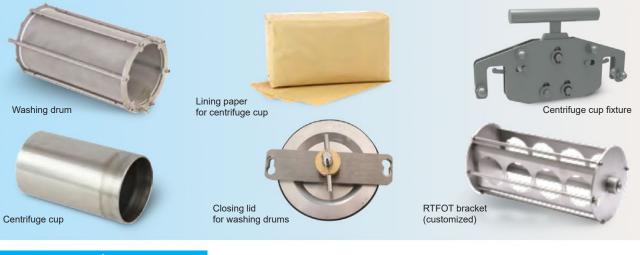
FEATURES

- O Computer control and display, users can choose soaking time, cleaning and drying cycle according to their needs.
- Real-time display of ongoing process and time.
- O High extraction efficiency, the entire extraction process can be completed within 1 hour.
- Can be used for the extraction of rubber-asphalt mixtures.(HTHY-8159A only)
- The extraction process is completed in a closed system, and the solvent loss is small.
- O The cleaning chamber has a heating function and is equipped with an ultrasonic device to accelerate the dissolution of asphalt, making the cleaning process more efficient.
- O An observation window is installed at the inlet of the centrifuge, which can check the color of the mixture in real time.
- The rotation speed of the centrifuge is not less than 8000r/min, and the separation of mineral powder is more thorough.
- The drying system can dry the aggregate and mineral powder, which is convenient for calculating the asphalt content.
- The collected aggregate can be further sieved.
- The distillation system consists of a mixed liquid silo, a solvent silo and a cooling device.
- O The Asphalt Vacuum Rotary Evaporation Test Sampling System can be set to soak for 3-30 minutes before the start of the cleaning cycle and directly extract the asphalt mixture sample.
- Equipped with cooling equipment, the cooling effect is better than the traditional tap water cooling method, and water resources are saved.
- Can be equipped with electric rotary evaporator (optional).
- O Part of the asphalt experiment utensils can be cleaned, and the cleaning fixture needs to be customized (optional).

TECHNICAL PARAMETERS

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	Model	HTHY-8159A	HTHY-8159
	Maximum sample weight	Conventional Asphalt Mixture 3.5Kg	Conventional Asphalt Mixture 3.5Kg
		Rubber Asphalt Mixture 1.5Kg	/
	Centrifuge speed	Not less than 8000r/min	Not less than 8000r/min
	Centrifuge cup capacity	Less than 300g	Less than 300g
	Distillation capacity	Main heater 10L/h	Main heater 10L/h
		Main heater + auxiliary heater: 35L/h	Main heater + auxiliary heater: 35L/h
	Power supply	380V 50HZ, 5.5KW	380V 50HZ, 5.5KW
	Dimensions	1300 x 800 x 1700 mm	1300 x 800 x 1700 mm
	Weight	200kg	200kg



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ACCESSORIES

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ltem		Quantity	Model	
nem	nem		HTHY-8159A	HTHY-8159
Electric rotary evaporator	Electric rotary evaporator			Optional
Water-sealing vacuum pu	Water-sealing vacuum pump			Optional
Chiller	Chiller		Optional	Optional
	Opening 0.075 mm	1	\checkmark	\checkmark
Washing drum	Opening 0.063 mm	1		
	Opening 0.090 mm	1		\checkmark
Closing lid for washing dr	Closing lid for washing drums			\checkmark
Contrifuce our	φ120mm/200g	1	\checkmark	\checkmark
Centrifuge cup	φ120mm/300g	1		\checkmark
Lining paper for centrifug	Lining paper for centrifuge cup			\checkmark
RTFOT bracket (customiz	RTFOT bracket (customized)			\checkmark
Centrifuge cup fixture	Centrifuge cup fixture			\checkmark
Balance		1	\checkmark	\checkmark
Printer	Printer			\checkmark
Drainer	Drainer		\checkmark	\checkmark
Cooling water pipe, 6m	Cooling water pipe, 6m		\checkmark	\checkmark
3M Gas Mask	3M Gas Mask		\checkmark	\checkmark
Heat insulation gloves		2pairs	\checkmark	\checkmark
	Cleaning container, 0.075mm	1set	\checkmark	
Rubber powder	Sieve, 0.075mm	1set		
mixture cleaner	Cleaner motor	1set		×
	Agitator	1set		
	Transfer handel	1		

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