



AC500

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A/C Service Station



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AC500 is an environmentally friendly and energy-saving automotive air conditioning maintenance equipment that integrates multiple functions such as cleaning, recycling, recharging, regeneration, vacuuming, air conditioning leak detection, and refrigeration oil replenishment. It significantly improves situations where air conditioning cooling performance is poor, compressor load is high, noise is excessive, and fuel consumption is elevated.



Recovery and Reuse of Refrigerants



Air Conditioning System Cleaning



Automatic Precision Refilling



Printing of Work Hours and Material Usage



Features

1. Equipped with an automotive refrigerant model database, eliminating the need for manual setting;
2. Supports both R134A and R1234YF refrigerants;
3. Comes with forward cleaning, reverse cleaning, and pulse cleaning functions, delivering noticeable cleaning effects;
4. The automatic mode can accomplish cleaning, recovery, vacuuming, refrigeration oil injection, refrigerant injection, and other operations with a single button. Each function can also be executed separately;
5. Built-in printer supports printing material usage, labor hours, and other information.

Functions

- 1. Air Conditioning System Cleaning:** Cleans the air conditioning pipelines, eliminating sludge, powder, and other impurities from the pipelines. It thoroughly replaces the refrigeration oil, improves compressor lubrication, and enhances the cooling performance of the air conditioning system.
- 2. Refrigerant Recovery:** Purifies and recycles refrigerant from the car's air conditioning system back into the working container, meeting reuse standards.
- 3. Vacuuming:** Achieves vacuuming of the air conditioning pipelines and equipment pipelines.
- 4. Refrigeration Oil Refilling:** Supports manual/automatic refilling, with intelligent precision refilling achieved through a built-in electronic scale.
- 5. Refrigerant Refilling:** Adds refrigerant to the vehicle according to the set quantity.
- 6. Automatic Mode:** Automatically performs cleaning, recovery, vacuuming, refrigeration oil refilling, refrigerant refilling, and other operations based on the set parameters.
- 7. Database:** Equipped with an automotive refrigerant model database, supports database retrieval, eliminating the need for manual setting.
- 8. Printing:** Supports printing of equipment execution results.

Parameters

Power Supply	AC110V/AC220V 50Hz/60Hz	Main Engine Power	700W
Compressor	12.12cm ³	HP/TP Gauge	-1bar~35bar
Vacuum Pump	42L/Min, 5Pa (for 220V); 50L/Min, 5Pa (for 110V)	LP Gauge	-1bar~20bar
Tank	12L	Work Temperature	0~50°C