



MZR800

ELECTRIC AUTOMOTIVE HVLP SPRAY GUN

Electric gravity-feed spraying, built for automotive refinish.

Product type: Self-contained electric HVLP spray gun

Power: 800 W current training configuration

Cup system: 600 mL PPS-style gravity cup

Primary use: Automotive primer, basecoat and clearcoat; localized refinishing

1. Product Description

The TMILES MZR800 is a corded, top-cup electric HVLP spray gun designed for automotive-refinish and light professional coating work. The integrated electric airflow system eliminates the need for an external compressor. Gravity feed, cup pressure assistance, interchangeable brass nozzles and adjustable controls support primer, basecoat and clearcoat setup.

2. Technical Specifications

Parameter	Current TDS specification	Configuration / status
Model	MZR800	Corded version
Rated power	800 W	Current training configuration; 600 W supplier option exists
Rated voltage / frequency	230 V ~ 50 Hz or 120 V ~ 60 Hz	Select for destination market
Cup system / capacity	PPS-style gravity cup / 600 mL	650 mL and 800 mL supplier cup options exist
Standard nozzle set	1.0 / 1.3 / 1.5 / 1.8 mm	Brass; 2.0 / 2.2 / 2.5 mm optional
Target fan width	230 +/- 10 mm	Target value at approx. 200 mm distance; validate by test report
Maximum flow	To be validated on final production sample	Supplier range: 1300 / 1500 mL/min; configuration mapping not confirmed
Maximum viscosity	To be validated on final production sample	Supplier range: 180 / 200 DIN-s; method and configuration not confirmed
Power cord	5 m current configuration	2 m supplier option; VDE or UL plug according to market
External compressor	Not required	Integrated electric airflow system

3. Key Features and Functional Benefits

- Self-contained electric HVLP system - no external air compressor required.
- 800 W current training configuration for fixed-station work and longer operating sessions.
- Top-mounted gravity cup with pressure-assist tube for more stable material feed at changing spray angles.
- PPS-style disposable cup system reduces color-change and cleaning time.
- Two-stage trigger: airflow first, coating delivery second, for improved start control.
- Adjustable spray fan and material flow; airflow/pressure adjustment supports setup for different coatings.
- Detachable nozzle components and ergonomic TPR grip simplify operation and routine maintenance.

4. Nozzle and Application Guide

Nozzle	Suggested coating / task	Setup note
1.0 mm	Low-viscosity basecoat; detail and spot repair	Start with low material flow and verify atomization.
1.3 mm	Basecoat and clearcoat	General automotive-refinish starting point.
1.5 mm	Basecoat, high-solids clearcoat, general coatings	Balance flow against atomization and sag control.
1.8 mm	Primer and higher-viscosity coatings	Follow coating TDS for thinning and film build.
2.0 / 2.2 / 2.5 mm	Optional high-viscosity primer or industrial/furniture coatings	Optional sizes; confirm viscosity capability before use.

Application condition

Nozzle selection is a starting recommendation only. Always follow the coating manufacturer's TDS and verify viscosity, dilution, spray distance, fan pattern and film build on a test panel.

5. Operating and Cleaning Guidance

- Verify voltage, plug, cord, cup seals, pressure-assist tube, nozzle and air cap before use.
- Filter the mixed coating, install the cup correctly and begin with lower material flow on a test panel.
- Keep the gun perpendicular to the workpiece, maintain a consistent distance and use uniform overlap.
- Disconnect the plug before cleaning. Use the dedicated cleaning cup and compatible cleaner to flush the fluid path.
- Remove and clean the air cap and nozzle promptly; do not enlarge nozzle openings with hard steel wire.

6. Recommended Package Contents

Item	Quantity	Description
Spray-gun unit	1 pc	Corded MZR800
Disposable cup sets	10 sets	Includes one graduated reusable outer cup; final packing to be confirmed.
Brass nozzles	4 pcs	Recommended standard set: 1.0 / 1.3 / 1.5 / 1.8 mm.
Cleaning cup	1 pc	For flushing the fluid path.
Cleaning brush	1 pc	For air cap and nozzle maintenance.
Mixing stick	1 pc	Yellow mixing/stirring stick.
Pressure-assist tube and seal seat	1 set	Final component name and packing to be confirmed.
Power accessory	1 set	Power cord with regional plug.

7. Safety, Storage and Data Status

- Use only in a properly ventilated spray area with suitable respiratory, eye, hand and body protection.
- Keep the motor air inlet and power cord away from coating material and cleaning solvent.
- Store clean and dry. Inspect seals, cup connection, pressure tube and cord before each use.
- Observe local regulations and the coating/cleaner SDS. Final certification and market-compliance documentation must be confirmed before sale.

Specification status

This TDS consolidates current TMILES training data and supplier information. Values identified as targets, options or pending validation must be replaced by the approved production specification, BOM and test report before mass-market publication.

TMILES reserves the right to modify product specifications without prior notice as part of continuous product development. Images are for product identification; supplied configuration is governed by the confirmed quotation and packing list.