

# CoolMachines<sup>Inc.</sup>

**BY DAVE KRENDL**

Fiber Machines  
Cutting Edge **COOL**

## CM-300 Truck/Trailer Spray System with Vac-Pack Recovery System

Entire System operates on jobsite power  
(No costly fuel and generator maintenance)



Same Quality, Production, and  
Recycle Recovery Method of the 'Big' Truck Systems  
**Now a more affordable setup by COOL Machines.**

**Insulation Contractor's:** expand your opportunities with the first affordable wall spray system that allows you to diversify and/or expand your business into a highly profitable venture. The CM-300 is the industry's smallest most economical wall spray system incorporating 'integrated recycle technology'. This system matches the production rates of the larger more costly truck systems. Our **CM-3000** or **CM-3500** machines along with the **VP-300 vac-pack** are the basic components of this proprietary system. **Bonus:** With single phase power provided at the jobsite, this system can operate all day without costly fuel and generator maintenance.

**Why 'Integrated recycle technology'?**

When controlling the introduction of dry and recycle fiber in a separate, precise, metered hopper, the contractor's production rate significantly increases while the moisture is controlled to a minimum.

**Why 'Vac-pack' technology?**

The industry standard currently uses two clumsy methods for recovery and use of recycle fiber. High maintenance, gas powered centrifugal blade vacuums recover the recycle fiber back to the 'dusty' truck/trailer. A constant slow down of fiber flow and air surging problems are inherent with the blower cycling on/off into a pressurized recycle hopper. The second method involves networking a second machine inside house. Setting-up and hauling recycle with buckets back to a manually loaded machine inside of multiple level structures is both time consuming and a dangerous liability risk when handling heavy equipment.

Our solution offers a compact, fast spraying, economical, spray system. This proprietary Vac-Pack technology offers a low maintenance, positive pressure vacuum system with no slow down in production, and discharges into the neutral pressure hopper inside the trailer/truck with no resulting air surges, or dust. This exclusive air separator increases endurance of the system with air-bypass technology, which keeps the recycle fiber from contact with the blower. The high efficiency primary and secondary filter system needs serviced only once, at the end of day. This system offers a fast, smooth spraying application while minimizing set-up time and maximizing endurance of the system.

**Machine Options:**

- Four blower system (CM-3000): this option offers an economical choice that will meet most contractors' needs. The service life of the blower is approx. 500 to 750 hrs. And can be replaced for a few hundred dollars each.
- Positive displacement (P.D.) blower (CM-3500): offers a high endurance, positive pressure system that will last for years, extend the range of the blowing hose and achieve higher production rates with recycle, stabilized attic spray, and open blow applications. This system includes soft-start motor technology which reduces generator size and power requirements. (Note: This same type of blower technology provides the vacuum source for the Vac-pack system.)

Our CM-300 offers a streamlined, efficient machine module that is both simple to use and easy to repair, providing both the start-up contractor and the high production installers the solution that makes sense. Combined with the total systems approach, the CM-300 can be transported in a truck or trailer to the job-site and set up to spray within minutes. This efficiently designed system with self-contained, heated, water tank system and 17.5kw gas generator, provide all necessities for a portable self-sustaining spray system; along with the added feature of jobsite power hook-up to save fuel and maintenance costs.

**CM-300 Specifications:**

<b>Weight</b>	<b>Hopper Capacity</b>	<b>Production Rate</b>
(4 blower) w/ vac-pack 1450 lbs. (P.D. blower) w/ vac-pack 1750 lbs.	Dry hopper w/ extension: 4 bags Recycle hopper: 1 bag	<b>Open blow:</b> 120 bags/hr
<b>Dimensions</b>	<b>Production Rate</b>	<b>Power Requirements</b>
92" Long x 22" Wide x 78" High	<b>Wall Spray:</b> 40 bags/hr (max)	SI 40 amps 240 volt, single phase <b>Generator size:</b> 15 kw (minimum)

# SYSTEM COMPONENT DETAILS

## Machine

- **CM-3000** (4-blower) Includes machine with 'integrated recycle' hopper and 150' remote cord.

OR

- **CM-3500** (P.D. blower) Includes machine with soft start P.D. blower with 'integrated recycle hopper' and 150' remote cord.
- **(Optional)** Hopper extension for dry hopper (additional 2 bag capacity).

## Vac-Pack Recovery System

◆ **VP-300** Includes air-separator/vac-u-lock module, secondary filter system, 5 hp. P.D. vacuum module with soft-start, noise reduction muffler, bin-level shut-off, and vacuum relief safety valve.

## Water Tank Assembly

250 gallon, polypropylene insulated/heated, double bladder tank assembly for all-weather use. Heavy duty pressure hose (170' x 1/4" dia.) w/quick-connect fittings, and convenient hose reel. Heavy duty pump and motor assembly (w/run dry capabilities), quick-connect fittings for easy removal and service, deluxe #80 mesh filter, and fluid level gauge. Duplex outlets for pump and on/off control of internal wetting system. Dimensions: 24"W x 116"L x 40"H (w/o hose reels) 78" H with hose reels. Empty weight: 850 lbs. Full water weight: 2800 lbs.

**Hose Reels:** twin hose reels mounted above tank system or vertical position mounting at rear of van body, w/easy access for quick jobsite set-up.

## Generator

17.5 kW (Guardian) generator with **transfer panel for switching to jobsite power**, wood panel enclosure w/ service access louvered door, slide-out bracket (enclosure reduces fiber contamination to generator).

**Jobsite Power:** (optional) 150 ft. #6-3 power cable can be easily connected by qualified electrician. Conserve gas and generator maintenance. Run all day for no fuel costs.

## Accessory Package

Includes 150ft. 3" **blowing hose** with 12ft. light-weight flexible spray hose, 2 1/2" aluminum wall **spray nozzle** 2 jet, 150 ft. x 3" **vacuum hose**, connector tubes w/3" aluminum **vacuum wand**, 'Cool Tool' **wall scrubber**.

For additional options like, equipment installation, on-site training, wireless remote controls and more; please call us today and we will provide you with current pricing for any of the additional options you desire.

# CoolMachines Inc.

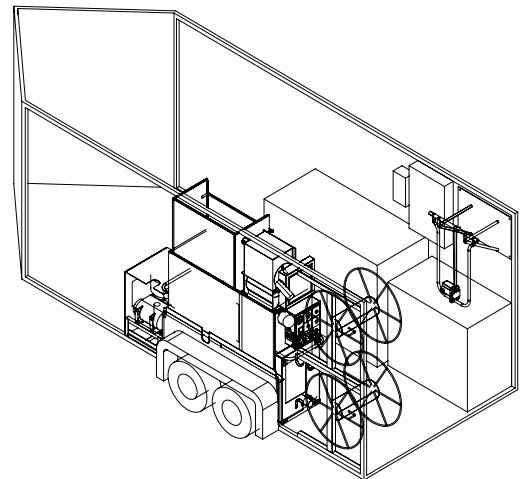
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## Truck/Trailer Considerations

Due to the size and weight of this system, the CM-300 can be mounted on any truck or trailer that is at least 6'-6" (78") Wide x 6'-6" (78") High x 12' Long. However to maximize payload capacity of your vehicle, we recommend 7' Wide x 7' High box to allow efficient stacking of fiber bags. A standard 7' x 7' x 16' trailer should hold approximately 150 to 175 30# bags. Every additional 30" will accommodate another 36 bags. Trailer should have at least two #5,000 lb axles to transport a total payload of #10,000 lbs.

We prefer that the customer supply his choice of vehicles, but we can assist you by providing local suppliers that could meet your needs and budget.



Truck/Trailer Layout



Slide-out Generator



Rear View Machine & Tank Assy



Job-Site Power Cord

## COOL People

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