



SP5E



SPRAY INJECTION POTHOLE PATCHER

**Safe, Quick, and Simple
Pothole Repair and Management.**



(785) 825-1375
www.bergkampinc.com

THE SAFEST AND EASIEST WAY TO PATCH

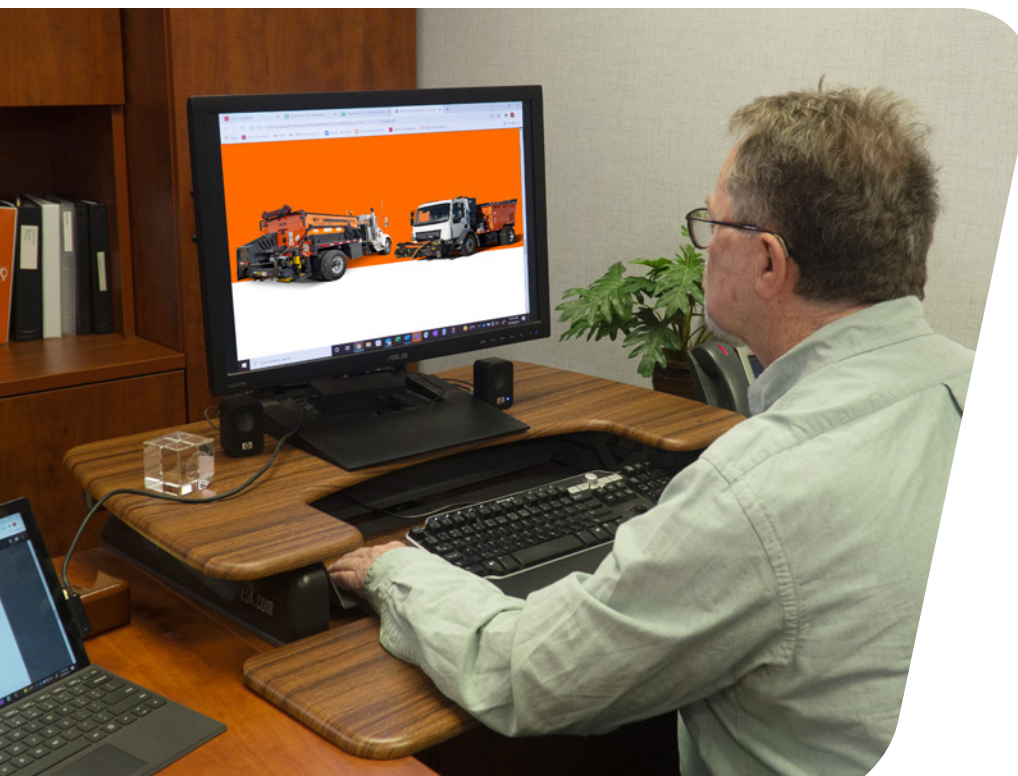


The SP5E Spray Injection Pothole Patcher enables a single operator to fill potholes in just four easy steps: by cleaning and drying the area, spraying the area with asphalt emulsion, filling the pothole with a mix of emulsion and aggregate, and then topping the treatment with uncoated aggregate. By handling everything inside the cab, a single operator can patch potholes all shift without leaving the patcher.

SAFER BY DESIGN

Safety features on the SP5E make safety for crew members and the traveling public a top priority:

- One-person operation from inside the truck
- Asphalt repairs are handled from the front of the machine
- Traffic stays safely behind the patcher
- Lights, arrow boards, and camera options (basic or 360°) provide additional safety measures



Startup Training

Following delivery, our factory technicians provide instruction and training for operating and maintaining the patcher, allowing your crews to understand and operate the unit proficiently within just a few hours.

Streamline your Procurement Process

All Bergkamp pothole patchers are available for purchase through these government procurement services:



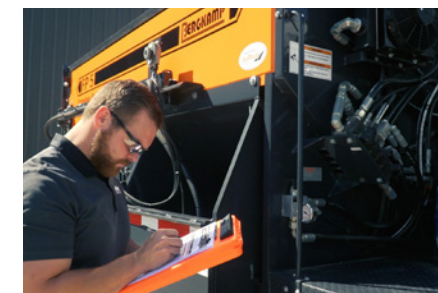
B-FIT

FOLLOW-UP / INSPECTION / TRAINING

B-FIT Provides Additional Security

We all want to feel more confident in our equipment and operators. That's why we designed B-FIT, our follow-up, inspection, and training program to help you make the most of your investment.

Ensure your patching equipment is running like it should with customizable options that fit your fleet and crew.



Added Protection

Over 100-point inspection performed by a Bergkamp technician.

Improved Productivity

Additional training helps your crews properly operate and maintain the equipment.



Safety for Workers

Ensures proper factory safety measures and operator procedures are in place.

Peace of Mind

Annual inspection checks your patcher functions to make sure your equipment is operating optimally.

SPRAY PATCHING MADE SAFER AND EASIER

By design, your operators will be proficient at producing quality, long-lasting pothole repairs with minimal training time. Each repair takes just a few minutes and the SP5E requires just one operator, freeing crew members for other tasks. Truck-mounted and operated safely from inside the cab using industry-leading material mix control technology, the SP5E is equipped with a joystick and touchscreen that give the operator ultimate control.

Customers are Raving about the SP5E

Potholes are a reality for any Rocky Mountain road network. But Loveland, CO has found the ultimate weapon in the Bergkamp SP5E Spray Injection Pothole Patcher.

“It feels like they actually got some guys together and went, ‘OK, how can we make this machine still be a workable machine that’s dependable but yet more operator friendly?’ And that’s exactly what they did.” -Brad Nazarenius, Lead Equipment Operator for the city of Loveland, CO.

Harness the Power of Technology

Our exclusive SPECS (Smart Patching Equipment Control System) controls material outputs according to a configurable mix design, increasing the quality and repeatability of pothole repairs.

SPECS also monitors boom position, temporarily stopping boom movement and notifying the operator if the boom is moved outside of the user-defined safe operating zone, increasing overall safety.



The SP5E also includes an option to add on our exclusive InPave Technology Pothole Patching Management System, providing agency administrators with data to better manage costs and planning.



SPRAY INJECTION PATCHER PROCESS

Here's how the SP5E enables safe, simple, and quick pothole repair using the spray injection patching process designed to completely fill and cover each pothole without the operator leaving the truck.



STEP 1

Blow air into the pothole to clean out and dry the damaged area.

STEP 2

Spray the pothole with asphalt emulsion, covering the cleaned pothole and coating the cracks and edges around the pothole. This primes the surface for optimal adhesion.

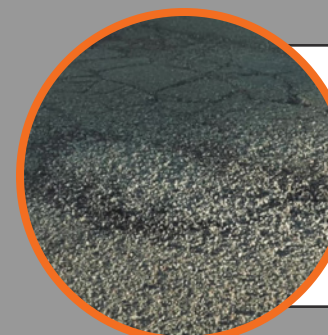


STEP 3

Fill the pothole completely with a homogeneous mixture of asphalt emulsion and the proper gradation of aggregate from the single-chamber or dual-chamber hopper.

STEP 4

Cover the repaired pothole with clean, dry, uncoated stones to form a tack-free surface.



COMPLETED REPAIR

Compaction is not necessary. Pothole patch is ready for traffic.

SP5E SPRAY INJECTION POTHOLE PATCHER FEATURES

SPECS (Smart Patching Equipment Control System)

As the operator increases or decreases the aggregate output rate, SPECS automatically adjusts the emulsion output to maintain the predetermined mix ratio. This increases consistency on every patch. The touchscreen display allows interaction with these aspects of the machine and patch process. The patching process steps:

- Emulsion-to-aggregate mix ratio
- Emulsion temperature
- Aggregate hopper level
- Material output rates
- Calibration information
- Machine status indicators and warnings
- Spray boom position warning



Joystick Operator Controls

Designed to make pothole repair easier, safer, and more efficient, this joystick includes an operator-presence switch that prevents unintended movement from accidental bumps.



Front-Mounted Working Boom:

The two-piece folding boom provides a large working reach of 14.5 feet (4.4m) and has a spray head oscillation feature, delivering precise control. The boom's automated latch enables the operator to securely stow the boom without leaving the safety of the cab.



Self-Clearing Spray Head

During blowout, the spray head directs a maximum air blast to clear debris. While tack-coating, the three spray nozzles allow for even coverage of the hole. When mixing aggregate and emulsion for the fill, the emulsion spray pattern ensures homogeneous aggregate coating, reducing overspray around the patch. During the final dust-coating, SPECS automatically directs a blast of air to minimize emulsion buildup.



Optional InPave Technology Pothole Patching Management System:
InPave helps to better manage your patching programs by monitoring production, performance, and locations of your pothole patcher and crew. Data gathered includes:

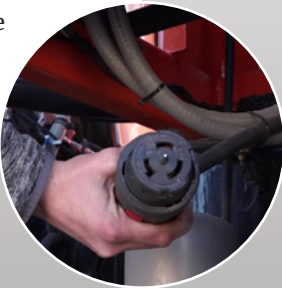
- Vehicle, crew, and job ID
- Vehicle location
- Application start and end times
- Material amount used
- Engine parameters and more



Asphalt Emulsion Tank and Heater

An electrically heated 275-gallon (1,041 L) insulated asphalt emulsion tank to maintain emulsion at the recommended temperature.

At the end of the shift, you can use the available plug to keep emulsion at desired temperature, which can help reduce emulsion system cleaning and maintenance.



Two Aggregate Hopper Configurations

You have an industry-exclusive choice of a single-chamber or dual-chamber aggregate hopper. With the dual-chamber hopper, a divider and an additional auger configure the hopper into a 60/40 or 50/50 split. Operators can load the unit with two different gradations of aggregate for a more effective repair.



PTO-Powered System

The SP5E provides PTO-driven hydraulic power to operate all machine functions.

No Auxiliary Engine

The only spray injection patcher on the market that doesn't require an auxiliary engine. This equipment is cleaner, quieter, and requires less maintenance. Operating on a single engine is more environmentally friendly and also eliminates additional repairs, reporting, and log-keeping.



BERGKAMP INC. DESIGNS AND MANUFACTURES WORLD-CLASS EQUIPMENT FOR THE PAVEMENT PRESERVATION INDUSTRY.

We work closely with contractors and government agencies around the world to deliver positive results for the entirety of the pavement life cycle – we build, preserve, fix, and recycle. And just as importantly, we provide the training, service, and support to keep our customers up and running while minimizing delay.

A proud family-owned business, we were established in 1977 in Salina, Kansas. We've been manufacturing high quality pavement preservation equipment since 1980. Our remarkable team of craftsmen continues to hand-build our equipment here in America to this day. We are dedicated to providing a safe environment for all employees, which is exemplified by our incredible 6-plus-years safety record to date.

If you are looking for equipment to help fix and maintain your roads, we would appreciate the opportunity to meet with you and share why our great employees make exceptional, long-lasting equipment.

Contact Bergkamp to find the right equipment for your needs.

PROUD MEMBER OF:



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Some equipment is shown with optional features and accessories. Contact Bergkamp for details. 02-2025.



CONTACT BERGKAMP TO FIND THE RIGHT EQUIPMENT FOR YOUR NEEDS.

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