

The Future of Sealcoating

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RoadSavers, PavementSavers and RaynMakers from Rayner Equipment have earned their rugged reputation.



When Gordon Rayner, current CEO and founder of California Pavement Maintenance Company, began his career in sealcoating in 1974, there were two material choices: Jet Seal, a coal tar sealer; or WalkTop, an emulsion aggregate sealcoat reinforced with asbestos fibers. The popular sealcoat machine at the time was a Ken Seal machine – a chain driven, three-wheel machine with front-wheel drive and a top-heavy center of gravity just waiting for a hill or side slope to show you what the laws of nature could really

do!

Over the years both materials and machines have evolved. Coal tar disappeared from the west coast and asbestos fillers soon followed. New equipment was gradually introduced to the market – chains were eventually replaced with hydraulics and designs with lower centers of gravity were introduced.

During this time Gordon and his brother Rich were modifying equipment for their own construction company, California Pavement Maintenance Company, and began building new machines out of necessity rather than choice.

“For three years, each new piece of slurry seal equipment we bought experienced major breakdowns and calibration variances within the first weeks of operation. Frustrated, we looked at the money we had spent purchasing those new machines and also the money we spent fixing the breakdowns, not to mention the lost crew time. We knew we could build better, efficient and more reliable machinery,” said Gordon.

Gordon and Rich assembled a team consisting of crew operators, mechanics and consulting specialty engineers. Their goal was to design machines that were reliable and easy to service, and which had a long service life. Rich, with previous experience as a troubleshooter for General Motors, guided the process, and the first RoadSaver started producing slurry/micro surfacing in 1982. (This unit is still in the field preserving roads today.)

“Each year our team evaluates every component and process to measure performance and reliability, and we continue to do this today,” said Gordon. “After creating the first few models, we continued to refine our design, which included upgrading the hydraulics systems, drive motors, plus many other components. In a few short years our fleet was 100% RoadSavers and we had extra units on hand. The demand surfaced so we began to sell them. The first units that we built and then sold are still in operation today.” And with this, Rayner Equipment Systems was born.

Meanwhile, as material manufacturers of RaynGuard Protective Materials, Rich and Gordon anticipated the coming evolution of the sealcoat industry and the potential of high-strength, high-performance thin coatings. As this market grew, Rich and Gordon knew they would need professional, high-performance equipment to support it, so they turned their

attention to building a state-of-the-art sealcoat machine. They threw away the rule book and built the best machine possible with all hydraulic operations, real brakes (fail safe), an emergency brake system, joystick controls, neutral safety switch, turbocharged diesel, T-1 steel, computerized spray controls and other features not yet seen in the market. This machine is now known as the PavementSaver. The PavementSaver is today what every sealcoat machine wishes it could be: a rugged, high-performance squeegee and/or spray applicator designed to last a lifetime.



Brothers Rich and Gordon Rayner began designing seal coating equipment out of necessity and their efforts turned them into full-fledged equipment manufacturers in the industry.

Acknowledging the demand for a higher volume applicator, the RaynMaker series was developed. The RaynMaker adds a high-volume, high-production spray capacity to the features developed for the PavementSaver. The RaynMaker is custom-manufactured in several standalone or mounted configurations and with a standard or Turbo spray system. Today there are over 430 Rayner Equipment Systems machines (consisting of RoadSavers, PavementSavers and RaynMakers) working all around the world.

What started as a review and update process for a contracting business, these machines now serve Rayner Equipment customers in some of the most remote corners of the earth.

“Our machinery is expected and proven to work in remote areas providing rugged, reliable service and the highest production capability in the industry,” said Gordon.

To achieve this, Rayner Equipment only uses the very best components

available and designs the most durable, trouble-free systems (electrical, hydraulic, water, aggregate delivery, emulsion delivery) possible while providing 24/7 support.

Their design, whenever possible, will use components available worldwide so if there is ever a need, customers will have quick accessibility.

Rayner Equipment’s RoadSavers, PavementSavers and RaynMakers have earned their rugged reputation by their performance and “our service has earned the loyalty of our customers by our performance,” said Gordon.

To learn more about Rayner Equipment, visit their website at www.roadsaver.com.

<http://callape.com/issue/february-2015/article/the-future-of-sealcoating>



The RoadSaver was designed to provide much more value than the initial purchase price. Key benefits include reliability and low maintenance.