

Full Depth Reclamation

Peckham Industries, Inc.'s acquisition of a new CAT RM500 full depth reclaimer highlights our commitment to providing you with custom solutions to solve your road maintenance problems. Most road problems start below the surface and can only be properly remediated by a removal of the top course and stabilization of the subbase. Ideal candidates for full depth reclamation (FDR) are roads and parking lots experiencing rutting or cracking down through all asphalt layers and/or have an unsound, unstable sub-base.

Our Process

Our FDR process enables us to grind asphalt pavements and subbase up to a depth of 14 inches per lift, reshape and grade roads, remove or add material, and add a variety of stabilizing agents to the recycled pavement. The central element of our reclaimer is the milling drum, which effectively granulates the existing pavement which can then be homogeneously mixed with injected water and either Portland cement, liquid calcium chloride, or an asphalt emulsion in the heavy-duty milling and mixing chamber to create a new pavement mixture. Roads are initially ground, graded, and compacted once and then the process is repeated with a stabilizing agent to ensure a uniform material and blend.



At the end of the FDR process the roadway is rolled and is then ready to be topped with a wearing course overlay of a hot mix, warm-mix, cold mix or chip seal product. Some customers even use FDR to simply reshape and stabilize their existing dirt roads. FDR equipment is a similar length as a conventional milling machine and our loaders can remove material via conveyor enabling us to work in areas not compatible for most other recycling equipment.

Our FDR process can save you valuable time and money in the replacement and maintenance of existing roads by recycling 100% of the existing materials, eliminating sub-surface cracks that other processes do not address and extending the pavement service life. Not only an environmentally friendly solution, our FDR process provides more structural value than conventional mill and fill solutions and is typically over 50% less expensive than conventional hot mix or cold mix asphalt reconstruction. In addition, the quick mobilization, high production capacity, and fast curing time of our FDR process allows for timely project completion reducing costs associated with long equipment trains, trucking materials on/off-site and lengthy road closures.

The Peckham Way

Peckham Industries, Inc., through its various family companies, has dedicated itself to delivering the highest quality materials and custom solutions to thousands of road construction and maintenance customers, like you, for over 99 years and promises to continue this reputable tradition far into the future. We are committed to utilizing new technologies, developing new standards, and employing motivated, knowledgeable professionals to gain your trust and continued satisfaction as a customer. To learn more about our company and our FDR process please contact your local sales representative or visit our website, www.peckham.com.