Pavement Routers

CRAFCO® INC
PRESERVATION PRODUCTS

KEY FEATURES

- Ergonomic Handle Design
- Carbide-Tipped Rotary Cutters
- Carbide Skid Plate
- Dual-Stage Air Filters

Prepare pavement properly to maximize sealant service life

Crafco helped pioneer the pavement preservation industry almost 50 years ago, in part by developing best practices for crack sealing. The Crafco method – Rout, Clean, Seal – has become the industry standard through rigorous independent testing and evaluation. Crafco's Model 30™ Router is an efficient tool that helps you prepare cracks for sealing the right way. Engineered for speed, power and precision, the reliable Model 30 Router can be customized to fit your needs for maximum productivity.

602-276-0406 sales@crafco.com crafco.com

Maximize Sealant Performance with Precision Routing

Why Rout Cracks?

Proper crack preparation helps ensure the long-term effectiveness of your sealant, saving you time and money. The Model 30 Router offers powerful, precise routing without slowing down your crew. Talk to your Crafco representative for help selecting a Model 30 Router to supercharge your crack sealing operation.

Routing is critical to maximizing the service life of your sealant.

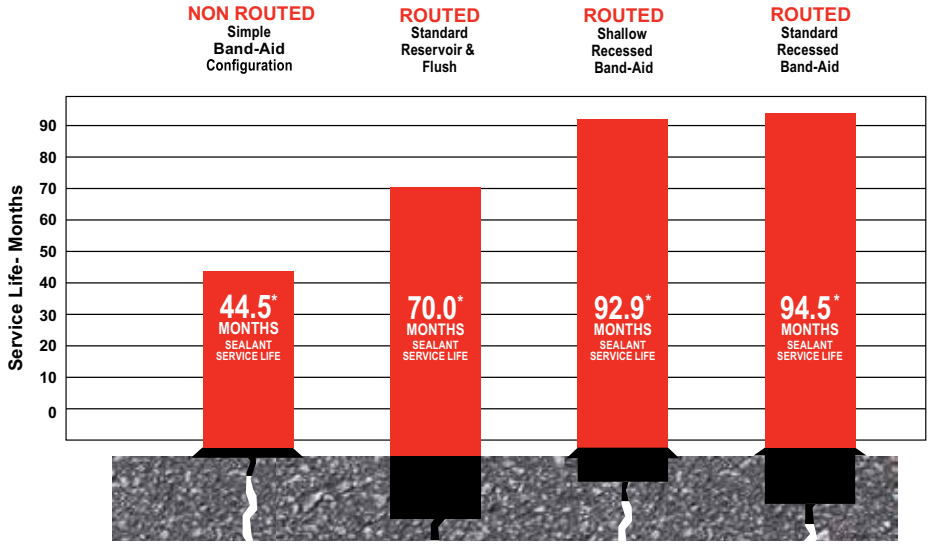
Routing more than doubles the service life of your sealant by creating a solid surface for adhesion and creating a reservoir for the sealant.

Cracks expand in the summer heat, squeezing sealant above the road surface, where it is worn away by traffic. In winter, the cracks contract again, stretching and breaking the worn sealant. Routing creates a sealant reservoir with the proper width and depth to properly protect the sealant during the pavement's expansion and contraction.

And routing has been shown to not affect the productivity of crack sealing crews when done correctly. Typical production with a Crafco Model 30 Router is 1,000 to 2,000 feet per hour in asphalt pavement, making it the most efficient crack router available.

Benefits of Routing

Cracks routed and sealed achieve more than twice the service life vs. non-routed and sealed cracks. Technique matters. Per the graphic at right, a routed standard recessed band-aid configuration can achieve 94.5 months sealant service life vs. the simple band-aid configuration.



Multiple, independent, long-term studies have proven that using a Crafco router, melter/applicator and sealant provide unsurpassed crack sealing longevity and pavement performance. Studies on file.

Options

The Standard Model 30 Router can be fitted with or without a clutch. When equipped, the clutch allows the motor to stay running even when the cutting heads are not engaged.

Add the Dust Control system to virtually eliminate airborne dust during routing, which avoids bystander complaints and protects workers from harmful silica inhalation. The Dust Control system, designed to comply with the Clean Air Act reduction of PM10 pollutants, includes a shroud around the cutting heads, powerful vacuum suction, and a cyclone separator that collects heavier debris into a bucket. With a greater than 96% reduction in dust and emitting only 1.25% average dust opacity, this option also contains any remaining dust and debris in a narrow area around the crack for easier removal with Crafco's Crack-Vac 2.

The Self-Propelled Model 30 Router reduces operator fatigue when routing on sloped pavement, and it speeds up routing on flat pavement by moving the machine between cracks more quickly. It also makes loading and unloading the Router easier when using ramps.

Convert your existing router with our Pavement Crack Saw kit in about an hour to cut concrete joints or create sealant reservoirs in asphalt joints. With an appropriate blade (not included), the Crack Saw kit can even be used as a wet saw that meets OSHA requirements for dust control.

Build your Router with a variety of options to match your unique needs.

Standard Pavement Router w/ Clutch	Part # 21300H
Standard Pavement Router w/out Clutch	Part # 21330H
Self-Propelled Router	Part # 21340H
Dust Controller Router	Part # 21350H
Self-Propelled Pavement Router w/ Dust Control	Part # 21360H
Pavement Crack Saw	Part # 20960
Pavement Crack Saw Conversion Kit*	Part # 31350

**Convert any Crafco router into a random crack saw in less than one hour. Use with diamond or abrasive saw blade, wet or dry, blade not included. Dust control function is disabled when crack sawing.*

Standard Benefits & Features

The Model 30 Router chassis is welded from strong ¼" steel plate, with an adjustable ergonomic handle, carbide skid plate and metal guards to protect the gas tank and belt system from debris. Power comes from a reliable 25hp Honda motor featuring electronic fuel ignition for easy starting and better fuel efficiency. A finely tuned center of balance and premium wheel assemblies make the Model 30 Router easy to maneuver for unrivaled crack-following precision. Cutting depth is easily controlled with an electric switch on the handle, and a depth indicator helps the operator confirm proper routing. The durable cutter heads are designed for consistent cutting and tipped with tungsten carbide for 30% longer life.

Self-Propelled Router

Dust Control Router

ROUTER FEATURE	BENEFIT
All welded chassis manufactured from 1/4" (6.3 mm) steel plate	Built-to-last construction that reduces vibration and operator fatigue
24.9 Honda EFI V-twin gas-powered engine	Provides the power to achieve the effective level of RPMs for a smooth cut without bucking
Typical production of 1,000-2,000 (305 m - 610 m) feet per hour in asphalt pavement*	Most efficient crack routing machine available, and notably more productive than using a saw
Ergonomic handle design; adjustable to operator height	Offers better crack depth control and handling, with less strain on worker
Unique center-of-balance, lightweight mobile design, cutter head alignment and crack-tracking guide	Easier, smoother, stable and safe operation that delivers unsurpassed crack-following accuracy
Routing is completed by six carbide tipped blades and can be configured to cut up to 2" (50.8 mm) wide	This configuration along with the highest levels of RPMs provides maximum crack cutting performance router with no bucking*
Electric-operated clutch	Stops and starts the cutter-head on demand, supporting worker safety
Electric cutter depth control	Provides precision cutter depth at a push of a finger
Depth indicator plate	Easily shows depth of routed cut
Carbide skid plate	Improves operator control allowing better crack following, smooth and easy operation and acts as a braking mechanism. The carbide skid plate provides longer-life than previous models
Single Stage on Honda air filter	Protects engine from premature internal engine wear caused by dust
Belt system	The belt and guard are designed to limit the debris that could get trapped in the system and reduce router life
Electric start, 12v battery and charging system	Provides convenience
Gas tank guard	Helps prevent tank puncture during loading and operation
Premium wheel assemblies with sealed, tapered roller bearings on 1 1/4" (31 mm) axles	Provides greater durability and ease of operation
Stabilizer foot	Enables easier and safer environment while changing cutters on the cutter-head

** Subject to shaved type cutter use.*

Pavement Crack Saw

- Convert your current Crafco Pavement Router* into a Pavement Crack Saw with our Crack Saw Conversion Kit.
  *Made to retrofit any Crafco Pavement Router built after 1995.
- Sawing a reservoir, cuts fresh joints or creates defined edges or reservoirs in asphalt or concrete.
- Diamond or abrasive blade (not included) may be used wet or dry. External water source (not included) with a pump or gravity feed would need to be connected to flow water into the system.
- Meets OSHA requirements for dust and silica when used as a wet system.

Factors to consider when selecting the type of router for purchase

	STANDARD	DUST CONTROL	SELF-PROPELLED	SELF-PROPELLED w/ DUST CONTROL
Do the roads have any incline/decline?			●	●
Will you be pushing/pulling the router onto a trailer or into a vehicle to move from job to job?			●	●
Will a worker spend 1-2 hours routing in a day?			●	●
Do you want a cleaner working environment?		●		●
Does your area have Air Pollution/Dust Control EPA Visible Emissions Standards?		●		●
Do you want to extend the life of your router engine and air filters?		●		●
Do you want to improve worker safety by exposing them to less dust and flying debris?		●		●
Do you want to improve worker safety by increasing their visibility and line of sight?		●		●
Cut width adjustable to create a reservoir from 3/8” (9.5 mm) to 2” (50.8 mm) wide.	●	●	●	●
Typical production rate of 1,000-2,000 (305 m - 610 m) linear feet per hour in asphalt pavement.*	●	●	●	●

** Conducted on AC Pavements and is subject to the aggregate that is within the AC Pavement.*