

*Melter / Applicators*



*Modern Cracksealing Technology*

**MAGMA**  
GENERATION <sup>2</sup>



FOUNDED  
1970

## OUR MISSION

**To continuously refine cracksealing technology and build the safest, most modern and efficient melter/applicators.**



# CIMLINE

For more than 30 years, Cimline has focused on engineering the “Cream of the Cracksealers.” We have pioneered the technology behind the industry. With perpetual innovation and a “never stand still” attitude, Cimline continues to bring you the future of cracksealing today.

**SAFETY  
FIRST**

- *First with Oil Jacketed Kettle*
- *First with Vertical Material Agitator*
- *First with Dual Temperature Control*
- *First with Electronic Burner Ignition*
- *First with Rubber Torsion Axles*



# MAGMA

- Introduced in 2001 and brought cracksealing technology into the next millennium. Patent # 6,109,826

# GENERATION 2

- Introduced in 2004, continuing the Magma™ legacy.
- Raises the bar for the competition and brings you state-of-the-art technology and performance.

## THE DISTRIBUTOR DIFFERENCE

Local support for parts, service and training adds so much to your purchase. Achieve peace of mind and uptime performance through the largest worldwide distributor network of pavement maintenance professionals. More than just equipment suppliers, our distributors can help you write the spec that will result in the most modern cracksealing equipment for your operation. Our network is backed by the Cimline parts and service support staff that consistently receives high marks for product knowledge that spans more than 50 years of experience.

# MAGMA GENERATION<sup>2</sup>

**The Generation<sup>2</sup> continues the Magma™ legacy offering the most standard features in the industry. From the quiet gull-wing engine enclosure to the SuperFlex III heated hose and heavy-duty material pump, the Generation<sup>2</sup> sets the standard for melter/applicators.**



## **60**gallon

This quick hitter is ideal for small to medium applications with gravity feed. The 60 features all of the efficiency of a Magma™ including a tube frame, diesel or propane burner and gas or diesel engine.



## **110**gallon

All the features of larger models with a single axle for easy towing. This is the melter that fits most municipal applications. Enough capacity for larger cracksealing jobs and versatile enough for contractors to complete smaller parking lot and driveway projects. Also available with integrated air compressor.



## **230**gallon

Our most popular model, the 230 can handle most road maintenance projects. With available features like a built-in compressor and double wand options, this melter/applicator becomes the “Cadillac” of cracksealers.



## **410**gallon

No job is too big for this high capacity melter. The oblong tank and agitator design produces consistently melted sealant for high production jobs. Also available with integrated air compressor.

**You must address all areas of safety before purchasing any piece of equipment. Compare the Magma™ Generation<sup>2</sup> melter/applicator to any competitor's model and you'll immediately see the difference. Look for the Safety First icon and green text throughout the brochure.**

**JOBSITE SAFETY**

**Low Profile Wide Track (See page 5)**

- Best stability and lowest center of gravity
- Driver has clear view of operator
- Rubber torsion axles provide better clearance
- Smooth towing and backing
- Meets DOT 49 CFR Part 172 & 173



**VISIBILITY**

**Community-Friendly Features (See Page 11)**

- Noise reduction provides quiet operation
- Afterburnr™ Fume Reduction System
- Standard insulated engine enclosure
- Better communication between crew and driver

**Operation (See Page 5,9,10,12)**

- Lowest height, no reach, no-stress loading
- No conveyor = No climbing
- Quick-Close angled doors
- Automatic or manual operation
- Agitator factory pre-set speed
- LED taillights for high visibility
- Emergency Burn Kit with Water Jel™ Burn Dressing



**LOADING**

**Heated Hose (See Page 6,7,12)**

- Longest, lightest and best insulated
- Floating ground safety

**Heated and Non Heated Hose (See Page 6,7,12)**

- Trigger Flow Control and ball valve construction
- No line pressure when not sealing
- Best reach minimizes positioning
- Boom height safe for any height operator
- Standard lightweight aluminum wand
- Safety chain keeps wand in port



**BOOM HEIGHT**

**MAINTENANCE SAFETY**

- Easy burner access with flip-up cover (See Page 10)
- Bolt-on burner chamber (See Page 10)
- External material pump provides safe change-out with no entry into melter tank and no use of hoisting equipment (See Page 8)
- Spin-on fuel filters and shut-off valves reduce fuel spills
- Maintenance-free agitator design (See Page 9)
- Easy access engine without removal of enclosure
- Simple change-out and access to all fluids
- Tank inspection plate
- Engine management minimizes damage to engine from low fluids (See Page 11)
- Efficient design eliminates overnight heaters (See Page 11)



**EASY ACCESS**

## SAFE, SIMPLE SEALANT LOADING



According to the Bureau of Labor Statistics, more than one million workers suffer from back injuries each year. This type of injury accounts for one of every five occupational injuries. *A recent study determined that up to one-third of back injuries could be prevented through better equipment design. The Generation<sup>2</sup> Magma™ Series melter/applicator design offers a safe, simple solution to the loading process.*

*Sealant loading height can be one of the most important factors for daily operation of a melter. To minimize fatigue and potential back stress, all Magmas are designed so that the average operator between the height of 5'5" and 5'7" will lift no more than chest high and will not reach out over fenders. The Magma's ergonomic Quick-Close™ angled loading doors provide splash-proof loading because the door is closed when the sealant block falls into the tank. The angled door system is designed so that back posture is correct throughout the process. Opened loading doors extend past the fender for no-reach loading. Removing packaging and stacking sealant blocks is easier when working off level, flat fenders.*

Conveyor systems that load the melter are expensive, make-work devices that change the machine center of gravity (See DOT 49 CFR) and require workers to climb up in the truck bed, stoop and lift sealant blocks to the belt (often times higher than normal loading heights). *Magma operators stay on ground level (avoiding harnessing of workers in moving vehicles), lift the sealant blocks from the height of the tow vehicle bed and walk a distance of less than 10 feet to place the block on our chest high angled door – no bending, reaching or climbing required. Blocks can be staged on our flat fenders adjacent to the loading door to minimize repetitive lifting.*



Quick-Close™ angled doors

### CIMLINE DARE TO COMPARE

Model	Loading Height
Magma™ 110 (in) (mm)	49 (1245) compare to 58 (1473)
Magma™ 230 (in) (mm)	48 (1219) compare to 58 (1473)
Magma™ 410 (in) (mm)	54 (1372) compare to 61 (1550)

### CIMLINE



*Correct back posture is maintained with the Magma's low-profile design and angled door (left). Other machines with their higher lifting requirements and excessive reach to*

### OTHER



*open a flat door and load sealant blocks offer a higher potential for back injuries – a leading cause of occupational injuries.*



## VERSATILITY

Only the Generation<sup>2</sup> Magma™ Series platform is as versatile as you are. Don't be locked into one technology.

Choose the capacity then select:

- Standard or heated hose
- Dual standard hose
- Dual heated hose
- One heated and one non-heated hose on one platform

### OR:

- Start with the basic model and add any of these features at a later date.
- Buy a heated hose unit for cold weather and run a non-heated hose in the hot summer months.

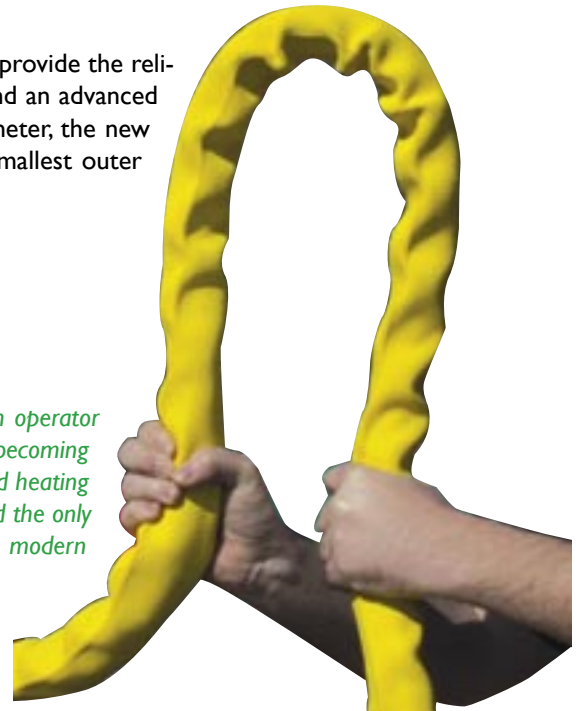
## SUPERFLEX III HEATED HOSE

The new 20-foot SuperFlex III electrically heated sealing hose is designed to provide the reliability and long life you expect from Cimline. SuperFlex Core Technology and an advanced heating element minimize kinks and flex damage. With a full ¾" inner diameter, the new technology provides maximum performance from the lightest weight and smallest outer diameter electrically heated hose.

**SAFETY  
FIRST**

### Floating Ground Protection

The SuperFlex III is designed with a floating ground heating system for maximum operator safety. With a floating ground design, there is no possibility of electrical shock by becoming the shortest path to the ground. The SuperFlex III is designed with a floating ground heating system for maximum safety. This is the industry standard for mobile equipment and the only safe grounding method for your operator. There is no possibility of shock with this modern grounding system. Accept no other when considering the safety of your workers.



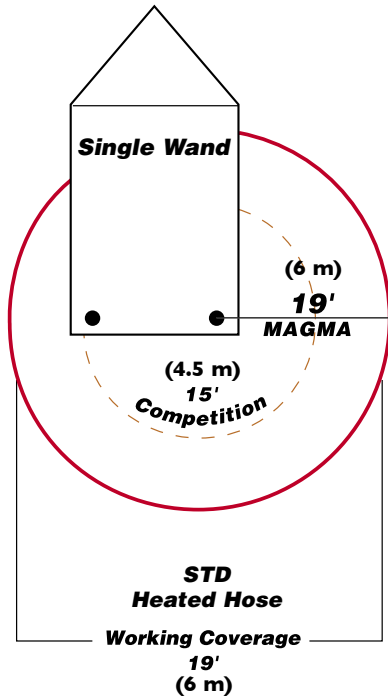
## UNIVERSAL ALUMINUM WAND - NEW ULTRALITE™ DESIGN

**SAFETY FIRST**

Unique versatile design combines the popular Trigger Flow Control with a ball valve for use on heated and non-heated hoses. *The wand trigger delivers material when depressed, and stops flow and pressure when released. The recirculation process continues inside the machine, eliminating temperature stratification and accelerating heat up time.* (see IMR page 6) The ball valve reduces waste and provides better placement of sealant. The combination of wand trigger and ball valve on the wand provide maximum flexibility depending upon sealant, temperature and pavement condition.

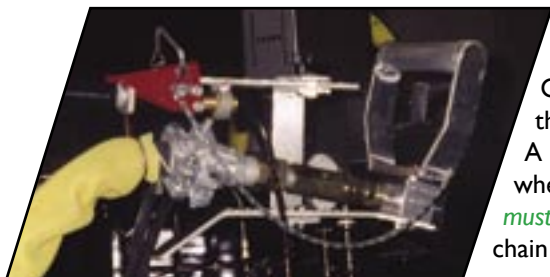
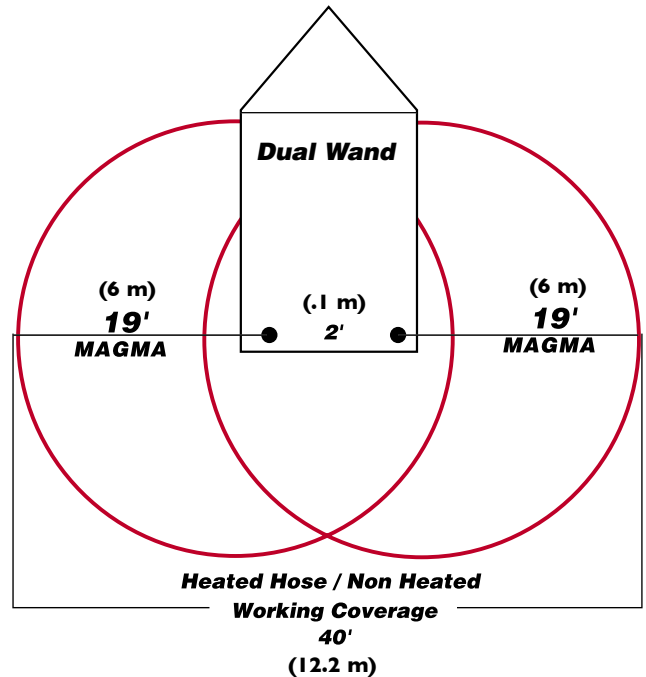


TFC and Ball Valve



**UP TO 60% MORE COVERAGE!**

With a combined wand/hose length of 24', you get an actual working radius of over 19', an additional foot of reach when compared with competitors. Std Heated Hose



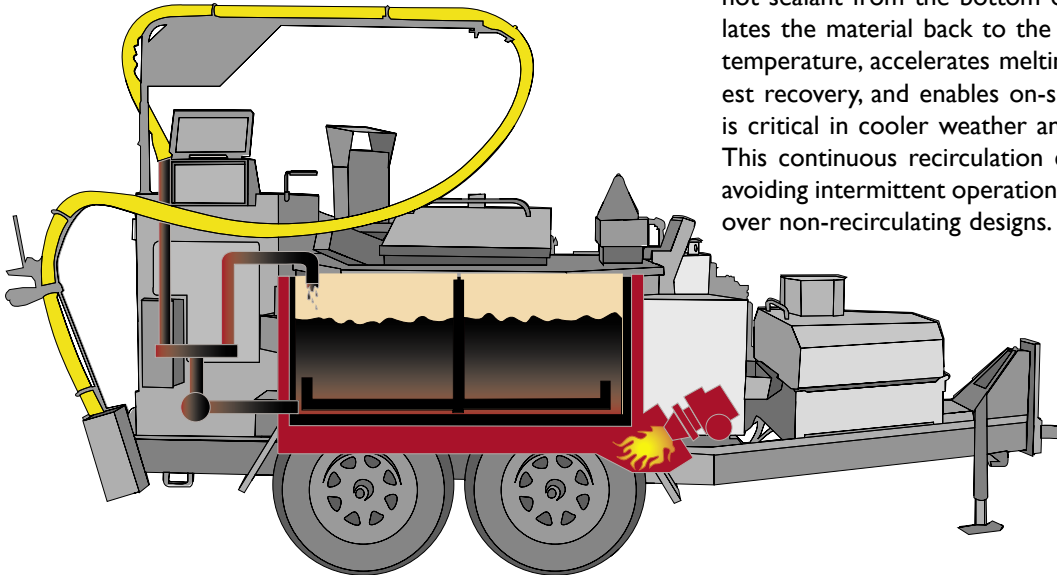
## FAIL SAFE WAND REMOVAL

**SAFETY FIRST**

Other manufacturers allow active wands to be withdrawn from the kettle with the possibility of hot sealant being sprayed on people or property. Not Magma™. A pin is inserted in the trigger control allowing recirculation through the wand when it is placed in the kettle port. *When the wand is ready to be used again, the pin must be removed which automatically shuts off sealant flow for safe wand withdrawal.* A chain holds the pin to the melter for easy access and secures the wand during travel.

### IMR: THE KEY TO FAST RECOVERY TIME

Even when sealing, full-time **I**nternal **M**aterial **R**ecirculation draws hot sealant from the bottom of the tank and continuously circulates the material back to the top. This creates uniform sealant temperature, accelerates melting of new sealant blocks for fastest recovery, and enables on-site fiber blending. Recirculation is critical in cooler weather and when using fiberized sealant. This continuous recirculation extends material pump life by avoiding intermittent operation and provides superior mixing over non-recirculating designs.



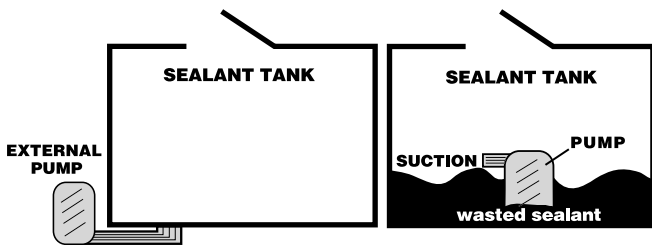
### FAST ACTING OIL-JACKETED KETTLE

**SAFETY FIRST**

The unique angled design of the Cimline burner chamber aims the flame downward away from the tank and heats with over 95% efficiency. No direct flame contact with the tank wall means no hot spots and reduced tank fatigue. With up to 40% less heat transfer oil, you'll see an improvement in heat up time and a reduction in maintenance and disposal costs. *Fast heat-up eliminates the need for unattended overnight heaters in combustible heat transfer oil and the need for an oil pump.*

### CIMLINE

### COMPETITION



### EXTERNAL PUMP

**SAFETY FIRST**

An external material pump promotes safety and minimal maintenance. The pump is easily accessible/serviceable in the field and can be replaced in less than three hours. Compare that to the several days required to maintain and repair internal pumps. *The external pumping system suctions from the bottom of the tank so there is no need to enter the sealant tank with hoisting equipment.* There is no wasted sealant or loss of working volume because of a submerged pump and associated hardware.

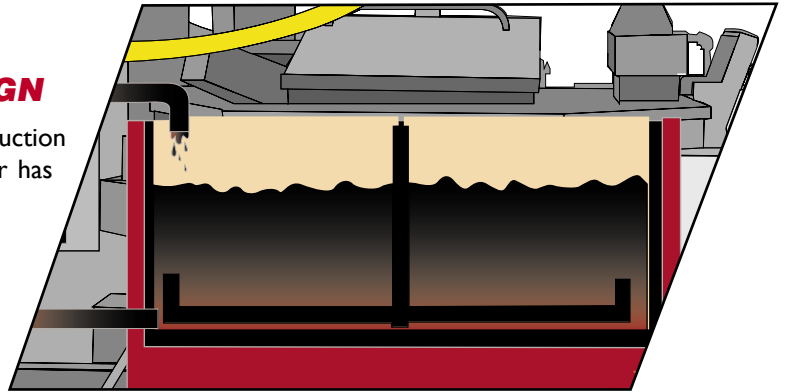
### NEW HEAVY-DUTY CUSTOM MATERIAL PUMP

The Cimline external sealant pump is standard on all Magma™ melter/applicators. The extra heavy-duty bearing and tight tolerance helical gears maximize pump life. The easy access packing box and direct mount hydraulic motor make for safer maintenance, simplify replacement and minimize downtime. Ductile iron construction and 1.5" chrome polished hardened shaft provides long life and extended wear.



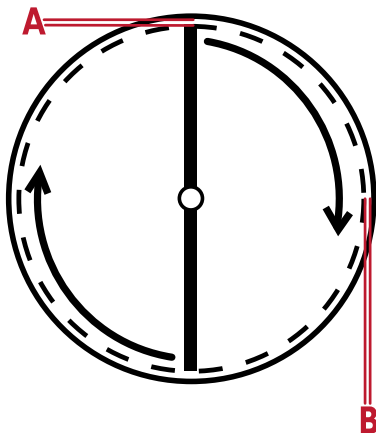
## MAGMA TANK AND AGITATOR DESIGN

Tank design and proper agitation are the key to production and efficiency. Over the last 34 years the Cimline melter has evolved into two distinct tank styles.



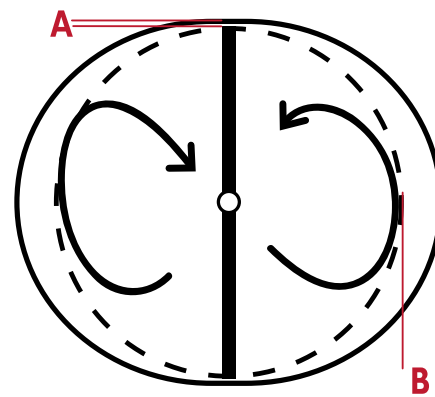
### Round Tank with Uniform Agitator Clearance

Good for low volume applications. Sealant melts from sides inward. Recirculation helps move hot sealant from the bottom to the center to improve melting performance. Loading heights tend to be higher with round tanks.



### Obround Tank with Performance Agitator

Required for higher volume, the sealant moves fastest along the sides but slows at the ends creating a “Figure 8” flow pushing hot sealant to the center of the tank. Accelerated heat-up/recovery times are the result. Obround tanks also reduce loading height and improve center of gravity.



### AGITATOR DISTANCE FROM WALL

Type	A	B
Round 60 (In) (mm)	1.5 (38)	1.5 (38)
Round 110 (In) (mm)	1.5 (38)	1.5 (38)
Obround 230 (In) (mm)	1.0 (25)	6.0 (152)
Obround 410 (In) (mm)	1.0 (25)	10.0 (254)



## RUGGED CONSTRUCTION

**SAFETY FIRST**

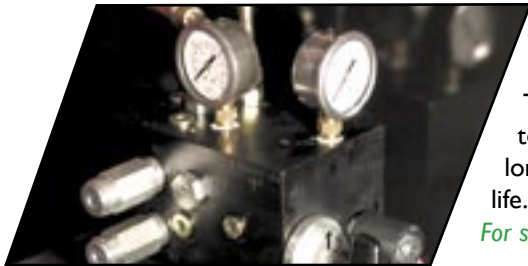
Everyone wants it but only Magma™ delivers the rugged construction that equals longer life. Every Magma™ Series melter/appliator is built with a six-inch by two-inch by 3/16-inch rectangular corrosion resistant tube steel frame. Tube frames offer 2.5 times the strength of “C” channels and are proven to withstand the tough duty that mobile equipment experiences. *The extra thick gauge steel throughout the unit adds up to longer lasting performance and better insulating properties.*

- Material oil tank = .187" (.94 cm) gauge steel
- Oil Reservoir = .187" (.94 cm) gauge steel
- Fire box = .187" (.94 cm) gauge steel
- Air Reservoir = .135" (.34 cm) gauge steel
- Outside skin = .105" (.26 cm) gauge steel

## BURNER

**SAFETY FIRST**

*Flip-up burner access makes periodic inspection, adjustment and electric eye cleaning easy and non-invasive.* Because the ceramic combustion chamber linings wear over time, a bolt-on fire box provides the easiest available access for inspection or replacement of the fire box lining. A standard fuel pressure gauge eases troubleshooting. The new self-priming burner minimizes downtime and eliminates the need to bleed the burner should fuel be depleted.



## HYDRAULIC CONTROL

**SAFETY FIRST**

The unique hydraulic manifold provides consistent pressure in forward and reverse to agitator and material pump. Any excess pressure is diverted back to the tank prolonging motor life. A separate oil cooler assures continuous operation and long pump life. Easy-to-read gauges indicate pressure at all times and simplify troubleshooting. *For safety, agitator speed is pre-set at the factory to avoid operator error.*

## TRUE DIGITAL CONTROL

**A Magma™ Exclusive**

100% digital controllers are standard on all models for the highest temperature accuracy of heat transfer oil, material and heated hose. All control functions are located in one central area on the curb side of the melter.



## INTEGRATED DIAGNOSTICS

The digital controllers continuously monitor temperature sensors. Should a problem occur, the heating system is immediately shut down and the display indicates the fault code.

# STANDARD FEATURES

## FUME REDUCTION

**SAFETY  
FIRST**

Cimline's exclusive Afterburnr™ Fume Reduction System promotes a cleaner working environment, peace of mind for the operator and better community relations. The system works by drawing the majority of asphalt fumes by convection back into the burner exhaust, where the mixture is dissipated through the exhaust stack. The Afterburnr™ system enables operators to quickly determine melter sealant levels.



## COMMUNITY FRIENDLY NOISE REDUCTION

**SAFETY  
FIRST**

A lockable noise insulated engine enclosure is standard on all Magma™ Series melters. Paired with a quiet engine muffler, these community conscious features reduce engine noise by up to 50%. Gull wing doors are standard on all air compressor models. The enclosure protects the engine, battery, radiator, electronics and optional air compressor from the environment and theft and keeps operators away from moving engine parts.

## PEACE OF MIND

**SAFETY  
FIRST**

Cimline protects your investment with a premium digital engine management system. All major engine fluids and charging systems are monitored. When a problem occurs, automatic engine shutdown prevents damage. The fault condition is displayed quickly, allowing the operator to diagnose the problem and return to work. An integrated hour meter simplifies routine maintenance.



## ON-BOARD SPARE PARTS KIT

A complete emergency spare parts kit is standard equipment on every Magma™. The kit comes complete with spare thermocouples, digital controller, electric eye, relay, fuses, burner primary control and fuel pump coupler. This kit contains more than \$1,000 in spare parts and it is priceless in the event that a field repair is needed.



## MAGMA™ START-UP FEATURES

The Magma™ Generation<sup>2</sup> gives you the flexibility to operate automatically or manually, depending on sealant and climate conditions. One-button start-up for every day use and for colder weather starts, manual start-up maximizes performance.

## COMPRESSOR MODELS

**SAFETY  
FIRST**



Now add the convenience of an integrated air compressor to your cracksealing operation. Why haul additional equipment when the Magma™ Series combines crackcleaning and cracksealing into one easy-to-tow trailer. Engines are sized to handle the requirements of the heavy duty compressor that outputs 100 psi to an integrated 50-foot retracting hose reel. Latest technology rotary screw compressors provide immediate, continuous CFM, maintenance-free operation and eliminates antiquated receiver tanks. Now crackcleaning and cracksealing becomes a one-pass operation. Water separator and fan-cooled oil cooler are standard. *Engine, compressor and hose reel are located under one lockable engine enclosure.*



## DUAL WAND MODELS

**SAFETY  
FIRST**

Double your production by ordering a dual wand option. On dual wand Magmas, operators have the option of using two non-heated hoses, two heated hoses or one of each all on one platform. On Magmas, one 30 GPM pump does the work of two, reducing pump maintenance and replacement costs by 50% when compared to competitive brands. *The unique surge suppression manifold and plumbing provide smooth sealant flow to each wand and consistent recirculation back to the tank.*



## LIGHTING

**SAFETY  
FIRST**

*In keeping with our goal for ultimate visibility, LED taillights are standard on all Generation<sup>2</sup> Magmas.* Multiple lighting options are also offered. Choose single or dual strobe lights or LED flashing arrow boards to notify traffic of your presence and direct them around the work area. Tell us what you need for worker safety...we'll build it.



# TESTIMONIALS: PROVING QUALITY ENGINEERING

## MAGMA™ 230 OUTPERFORMS ALL OTHER MODELS FOR COLORADO DOT

After a series of demonstrations from Vance Bros., Inc. Asphalt Mfg. & Material Supply, two regions within the Colorado DOT have purchased more than five Magma™ Series melter/applicators. What truly impressed crews was the performance of a 230 DH in high elevation situations and frigid mountain air.

*"These are the best melters we have ever used. The Cimline Magma™ is the Cadillac of hot pour melters. They heat up so fast and just go, go, go."*

– Dave Rade,  
CDOT Region 8



*"I was truly impressed with how fast the Magma™ heated up in the mornings. It was only about 5 to 10 degrees outside, the wind was blowing strong and cold, yet we were still up and running one hour after we started the machine."*

– Pat Accord, CDOT Region 6

## MAGMA™ 230 COMPLETES TOUGH RUN AT ATLANTA MOTOR SPEEDWAY

Wall Asphalt Services purchased one more Magma™ Series 230-gallon melter/applicator after their first Magma™ purchase completed a massive cracksealing job at Atlanta Motor Speedway. With banking at 24 degrees, sealant application on the track proved to be a challenge, but the low overall profile and loading height of the Magma™ 230 provided stability. The high-performance melter/applicator installed over 30,000 pounds of sealant in five days.



**SAFETY  
FIRST**

*"We bought one, and we're so impressed by it, we purchased another. These machines are reliable; they always heat up quickly, no matter what the weather. Lower loading heights are easier on my crew. The 230-gallon is the perfect capacity for our jobs."* – Charlie Wall, Owner Wall Asphalt Services, Villa Rica, GA

## GEORGIA DOT EQUIPS DISTRICTS WITH MAGMA™ 230s

The 230-gallon Magma™ Series melter/applicator recently gained popularity with the Georgia DOT. A year ago, Cimline distributor Road Products, Inc. conducted a demo tour of Georgia to show off the Magma™ 230 to district crews and foremen. Six months later, Road Products received an order for three of the models for distribution to different districts. Customer-oriented service and quality engineering proved the right formula for the municipality.



## MAGMA™ 60 MELTER OFFERS ECONOMY, FLEXIBILITY FOR SMALL CRACK REPAIR JOBS

The 60-gallon gravity feed melter made a real impression in Minnesota, where contractors were looking to cut labor costs and speed their production. The 60 G melter, a "stripped down" version of our Magma™ Series pump models made headlines in Pavement Magazine's October 2003 issue.



*"The 60-gallon is perfect for driveways and smaller parking lots. It saves us time and saves us money because it heats up fast, which means we can get going quicker. Anywhere up to 5,000 linear feet of cracks or so, the 60 G works great."*

– Steve Tjornhom, Owner,  
True Seal America,  
Burnsville, MN

*"It's a trouble-free little kettle that's got a real place in the pavement maintenance market. There are no hot spots like you can get from a direct-fire melter."*  
– Alan Hirsch, Bargan, Inc.

SPECIFICATIONS	MAGMA™ 60	MAGMA™ 110	MAGMA™ 230	MAGMA™ 410
Material Tank (US Gallons) (liters)	60 (227)	110 (417)	230 (871)	410 (1552)
Engine (HP)	8 Gas	25.4 Diesel	25.4 Diesel	25.4 Diesel
	6.5 Diesel	25 Propane	25 Propane	
Burner Fuel	Diesel or Propane	Diesel or Propane	Diesel or Propane	Diesel
Burner Size (BTUs)	250,000	250,000	290,000	400,000
GVWR (LB) (kg)	2270 (1030)	4350 (1973)	6840 (3103)	9520 (4318)
GAWR (LB) (kg)	3500 (1588)	4500 (2041)	7000 (3175)	10,000 (4536)
Axles	1	1	2	2
Brake Type	Electric	Electric*	Electric*	Electric*
Loading Height (In) (mm)	54 (1372)	49 (1245)	48 (1219)	54 (1372)
Loading Doors	Single Curbside	Single Curbside	Dual	Dual
Fuel Capacity (G) (liters)	8 (30)	30 (114)	30 (114)	30 (114)
Hydraulic Oil Capacity (G) (liters)	15 (57)	25 (95)	30 (114)	30 (114)
Hydraulic Cooler	N/A	Optional	STD	STD
Heat Transfer Oil (G) (liters)	10 (38)	20 (76)	30 (114)	40 (151)
Dimensions L x W x H (In)	120 x 60 x 70	150 x 77 x 88	165 x 87 x 90	185 x 90 x 90
	L x W x H (mm)	3048 x 1524 x 1778	3610 x 1956 x 2235	4191 x 2210 x 2286
Shipping Weight (lbs) (kg)	1,670 (758)	3,250 (1474)	4,540 (2050)	5,420 (2459)

\* Also available with surge brakes.

OPTIONS	60	110	230	410
No Pump / Gravity Feed	•	•	•	
Propane or Diesel	•	•	•	
Pump w/ Std Hose (Non-Heated)		•	•	•
Pump w/ Heated Hose		•	•	•
Air Compressor		•	•	•
Dual Wands (Heated, Non-Heated)			•	•

Due to continuous product innovation, specifications are subject to change.

# BUILD YOUR OWN MAGMA™

**More than 40 different combinations of standard features and options will meet the needs of any contractor or municipality. Check one box in each of the five sections and build your ideal Magma™.**

## Capacity (See Page 3, 14)

Magma™ Series melter/applicators come in capacities that will serve any size cracksealing project. The quick-hitting 60-gallon tackles low volume applications with gravity feed, while no job is too big for 410 gallons of true working volume in the Magma™ 410.

- 60 Gallon                       230 Gallon  
 110 Gallon                       410 Gallon



## Pump or No Pump (See Page 14, 8)

Choose whether you want to apply sealant with the use of a pump and hose or through manual application (gravity). The Magma™ Series offers a wide variety of models with or without pumps.

- No Pump                       Pump



## Fuel Type for Burner and Engine (See Page 14)

Magnas offer total flexibility. Choose between propane or diesel.

- Propane                       Diesel                       Gas  
(60 g Only)



## Electric Heated Hose or Conventional Non-Heated Hose (See Page 6, 14)

The Magma™ Series gives operators the choice of heated or non-heated sealant hoses on the same machine. Go with a conventional hose unit and upgrade to heated hose later on. Or buy a heated hose unit for cool weather and run a conventional hose during warm weather.

- Non-Heated                       Heated



## Dual Wand Option (See Page 7, 12, 14)

Double your production when you add the dual wand option. Operators can use dual heated or non-heated hoses all on one platform. Only Magma™ offers the flexibility to add the dual wand option at a later date.

- Single                       Dual

## Integrated Air Compressor (See Page 12,14)

Add an air compressor to any diesel unit for one-pass integrated cracksealing and cleaning.

- Yes                       No



# PROPER CRACKSEALING METHODS

Studies such as the SHRP Report prove that a reservoir provides an ideal surface for sealant bonding and the most effective long-term results. This can be easily accomplished with a Cimline router or saw to prepare the crack prior to cleaning and sealing.

## ASPHALT SURFACES

A percussion router is recommended for crack preparation in asphalt surfaces. The Cimline PCR-25 utilizes a rotating drum with adjustable carbide star bits for wide or narrow cutting width. And electric actuator allows instant depth adjustment.

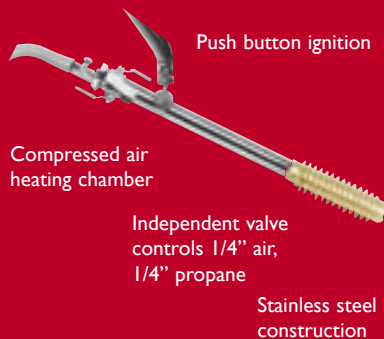
## CONCRETE SURFACES

For concrete surfaces, the best tool is a random crack saw equipped with diamond blade. Cimline offers two versatile saws that provide power and maneuverability. The Cimline RCS-20 random crack saw can be configured to up or down cut, and the blade can be replaced with a wire brush for thorough crack clean out.

For more information and free literature, contact your local Cimline distributor today.



UL approved  
control valves



Push button ignition

Compressed air  
heating chamber

Independent valve  
controls 1/4" air,  
1/4" propane

Stainless steel  
construction

## HEAT LANCING

The chances of good sealant bonding are reduced by several factors including cold temperature, dirt and moisture. To create a clean, dry surface, industry professionals recommend that cracks be treated with a heat lance. The "Hot Rod" Heat Lance from Cimline prepares bituminous and concrete surfaces as it conditions cracks and joints for sealing. A special combustion chamber superheats air, which pulls moisture and removes debris. Vapor, propane fuel and compressed air exits the stainless steel burner tube at temperatures up to 3000 degrees F. Push button ignition and interchangeable openings offer operators varying air volumes, direction and velocity. Safety is insured through UL approved control valves and an optional wheeled safety guard.

The Guide to Cracksealing answers your questions about pavement cleaning, preparation and sealant application. Learn what kind of equipment is necessary to achieve high production and attain maximum sealant performance with this popular pocket-sized reference. Ask your Cimline representative for a copy today.



**Distributed By:**

**CIMLINE**