



JARRAFF
Industries, Inc.



Jarraff All-Terrain Tree Trimmer



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Evolution of Quality, Commitment & Performance: The Jarraff All-Terrain Tree Trimmer

When the first Jarraff tree trimmer made its debut in 1979, it was the result of an effort to reduce the cost of trimming trees along right-of-ways for transmission and distribution lines. Developed in cooperation with electrical coops and tree trimming contractors, the initial prototype Jarraff was mounted on a truck bed and featured a pneumatic chainsaw instead of the recognizable circular blade of today's model. Levers, similar to those in an excavator or bulldozer, controlled boom extension and positioning. And the operator sat on an open seat next to the boom.

While a far cry from the advanced wheel and track models of today, that first prototype was the beginning of a promise to continue to provide contractors and utilities a more safe, efficient, and productive way to maintain utility right-of-ways.

The next round of updates saw the transformation from a truck mount unit to a crawler-mounted unit. Soon the chainsaw was replaced with a circular blade and the power system went from pneumatic to hydraulic. But even back then, the Jarraff was performing trimming operations for 35% less cost than previous methods! The Jarraff was not only evolving, it was changing the entire approach to ROW maintenance.

Today, the Jarraff All-Terrain Tree Trimmer represents the industry standard for tree trimmers, helping contractors and utilities save time, money and manpower while effectively maintaining critical transmission, distribution, and government right-of-ways.

Performance

Productivity starts in the field, but when your field is transmission, distribution, pipeline, DOT and other right-of-ways, the productivity is greatly influenced by the equipment you use. The Jarraff All-Terrain Tree Trimmer has been helping improve ROW maintenance productivity for almost 40 years. Utilizing the Jarraff, in combination with traditional tree trimming methods, can improve productivity by as much as five times over traditional methods alone! Wheel and track models can safely navigate the most difficult and challenging terrain. This mobility, combined with Jarraff's cutting capabilities, lets ROW and tree trimming contractors clear and trim faster and more efficiently than ever before.





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Operations

Features

Service & Support

Cab



The cab on the Jarraff All-Terrain Tree Trimmer sets the industry standard for operational safety, comfort and control. Two four-way joysticks allow the operator to maneuver and

position the boom and saw blade effortlessly. Clearly and simply marked instruments provide the operator precise fingertip control to move in any desired direction. Impact resistant, Lexan windows provide visibility and protection. Standard heating and air conditioning help to ensure higher operator productivity no matter the weather.

Touch Screen Control Center



The Jarraff's innovative touch screen control center gives the user unmatched operational input and diagnostic reporting. The highly visible, user-friendly touch screen display puts all the most important Jarraff operational information

at the fingertips of the operator in a way that no other manufacturer has before.

The unit displays back up camera images, providing the operator with clear views of obstacles and activity around the machine. In addition operators can access maintenance schedules, engine logs and even the operations manual, all from the touch screen center.

In addition, real time engine performance is displayed in an easy to view graphic interface.

Saw Head

The patent-pending saw head design gives the operator unprecedented control over cutting operations. With the ability to rotate 180 degrees, the Jarraff's saw head can quickly and easily be positioned to perform the most difficult cuts quickly and easily. Combined with the lateral tilt of the cab, ROW maintenance operators have never had so much cutting capability before.



1 | Rotary Manifold

The Jarraff's rotary manifold design allows for 360 degree-plus rotation without impeding or impacting operations.

2 | Push Blade

The Jarraff's push blade features an improved approach angle and updated blade design for better field performance.

3 | Engine

The Tier IV Cummins 130 horsepower liquid-cooled engine meets all EPA regulations, while improving overall fuel efficiency and roading speed. The engine positioning allows for easy access and service.

4 | Inclinometers

In-cab and boom-rest mounted inclinometers assist users with operating the Jarraff on grades or slopes.



5 | Cab

ROPS, FOPS, OPS and operator safety restraint certified.



6 | Roading Control

Hand or foot operated roading control allows for easy traveling from job site to job site.
(Wheel Jarraff only)



7 | Rear Pop Out Window

Adds a level of operator safety and protection.

8 | Axles

Axle design includes internal wet disc brakes, which eliminate the potential for damage from debris, while offering greater reliability and performance. Four internal parking brakes provide greater traction and better operation on steep grades.

9 | Safety Bar & Step

Provides safe and easy access to Jarraff boom and operators cab.



10 Operator Safety

Seat and door sensors tied to saw operation, as well as operator presence switches on the joysticks, help prevent unintended hydraulic operations.

11 Articulating Cab

The articulating cab offers a dynamic range of operation. It allows the operator to tilt the cab in each direction during operation. Combined with the rotating saw head, this provides the operator with unmatched control over cutting operations.

12 Saw Head

The Jarraff's 24-inch diameter saw blade with carbide tips is constructed for raw cutting power. The patent pending saw head design rotates 180 degrees, providing the operator with unmatched cutting precision.



13 Boom

The dielectrically tested, non-conductive telescopic boom extends up to 75 feet with a 180-degree range of motion. The boom features the most advanced composition in the industry, as well as superior fit and finish. A modular boom rail design makes serviceability easy. A new belt drive system requires less maintenance and improves service life. Hose reel placement provides better protection from falling limbs.

14 Track Undercarriage

Low ground pressure steel and rubber track with proprietary carrier is ideal for soft land, swamps and bog locations. The unit features a visible grease zerk bank for convenient servicing.





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Safety

Safety on the Jarraff All-Terrain Tree Trimmer starts with the industry's most advanced operator cab. The cab boasts ROPS, FOPS and optional OPS with operator restraint certifications per all ISO and SAE standards. The fully adjustable operator seat provides comfort, while making all controls easily accessible. A rear pop-out window offers an added safety feature in case of emergency.

Safety hydraulic lockouts on the joysticks prevent inadvertent operation from occurring when the operator is not present or positioned properly. The cab door and seat come equipped with a sensor that prevents saw blade operation when the door is open and the operator is not seated. Side view and backup cameras give operators a clear view of obstacles and obstructions within the operational range of the Jarraff.

In-cab and boom-rest mounted inclinometers provide the operator with instant visual details regarding operation on slopes and inclines. The Jarraff also provides a dedicated compartment for two onboard ABC rated fire extinguishers, as well as an advanced lighting package. The Jarraff is in a class by itself offering superior engineering and industry exclusive features that help improve operator safety at every level.



Inclinometers



Step & Hand Rail



Limb Deflectors



Fire Extinguisher Compartment



Backup Camera

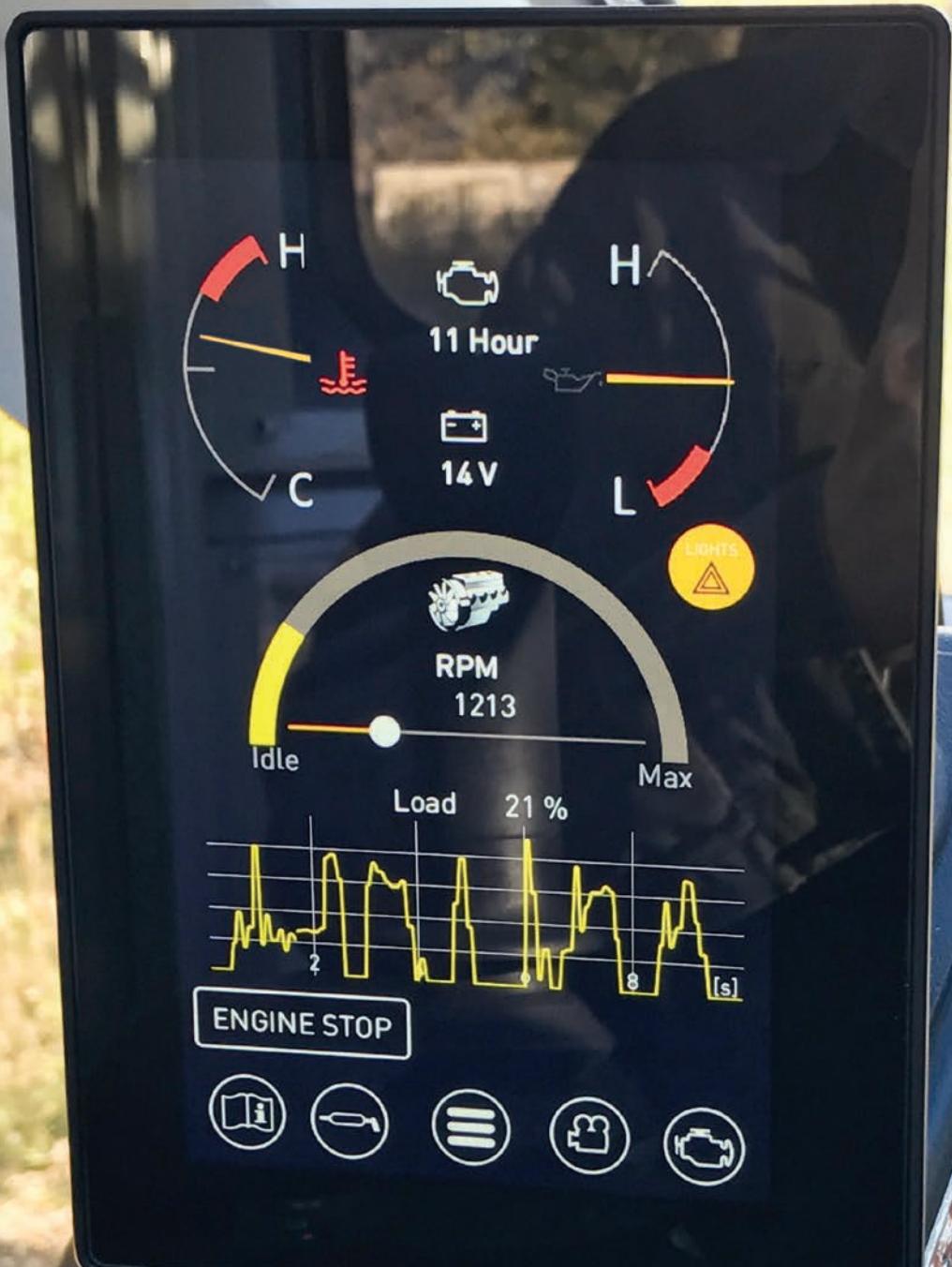
Service & Support

Every Jarraff is backed by a knowledgeable and friendly service staff ready to help you. Each unit comes with a comprehensive user-friendly manual covering basic operational instructions and detailed maintenance requirements. Drawings and illustrations make part identification and service simple and fast.

The Jarraff Service Center in Anniston, AL provides comprehensive maintenance and repair service for the southeastern United States. The Service Center also offers over the road mechanic services to help operators maintain the highest level of productivity possible.



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Technical Specifications

Maximum cutting height: 75 ft. (22.9 m)

Rotation: 360 degrees + on turntable

Upper controls: 2 four-way joysticks

Traveling length: 41 ft. 6 in. (12.65 m)

Boom: Non conductive telescoping fiberglass

Rotating saw head: Specifically designed, 24-in. (610-mm) diameter, 3200 rpm

Engine: Tier IV Cummins, liquid cooled, 130 hp (97 KW), electronic controlled

Fuel consumption: 46 gallons (174 liters), approx 2 gallons (7.6 liters) per hour

Winch: 20,000 lb (9072 kg) winch, 150 ft. (45.7 m) of $\frac{5}{8}$ -in. (16-mm) cable included

Push blade: 8 ft. (2.44 m), hydraulically controlled

Hydrostatically Driven

Operates off all quadrants without outriggers

	4-Wheel Drive (Standard Tire Size - 28L x 26)	Steel & Rubber Track
Undercarriage	articulating	steel & rubber track
Weight	24,820 lbs (11,260 Kg)	24,660 lbs (11,200 Kg)
PSI (Bar)	6.7* (0.46*)	3.0 (0.207)
Width	Transport - 8 ft. 6 in. (2.59 m) Operating - 10 ft. 4 in. (3.15 m)	8 ft. 4 in. (2.54 m)
Carrier Length	25 ft. (7.62 m)	21 ft. (6.40 m)
Height	11 ft. 3 in. (3.43 m)	11 ft. 3 in. (3.43 m)



Upper Controls



Winch



Saw Head



JARRAFF
Industries, Inc.

**1730 Gault Street • St. Peter, MN 56082
Phone: 1.800.767.7112 • Fax: 1.507.934.8690
www.jarraff.com**

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