



**WITTKE**

 **labrie**

**CNG**

**CNG READY  
SINCE 2001**

# THE WITTKE™ HISTORY



*2003 Wittke Starlight™*



*2005 Labrie Optimizer™*

**“Our Wittke Starlight™ frontloaders have proven to be efficient, dependable workhorses and the Digiload scaling systems are very accurate and easy to use.”**

Jim McGurl  
*Operations Manager-Collections  
Occupational Training Center  
of Burlington county*

**“I test drove a front end loader made by Labrie. The arms run very smoothly and I did not have any trash, boxes or debris fall over behind packing blade the two days I drove this truck. I have 29 years in solid waste field and this is the best front end loader I have seen or drove.”**

Joe White,  
*Operator  
City of Edmond, Oklahoma*

**“At Veolia, our Wittke Starlights™ are the most cost effective trucks in our frontloader fleet. With their lighter bodies, our Wittke™ allow us to pack more and extend our routes which save us time and money. The Digiload scale system is reliable, very accurate and the weigh in motion system saves us time.”**

Mario Gilbert,  
*Waste Collection Manager  
Veolia*

## **THE WITTKE™ HISTORY**

The Wittke™ name was established in western Canada through the 1980s and early 1990s, when Wittke gained market dominance as a manufacturer of commercial steel refuse containers from their base in Medicine Hat, Alberta, Canada. In the early 1990s Wittke™ developed a frontload refuse body called the Pegasus. Wittke continued to refine the product, and in the mid 90s launched the most productive frontloader in the refuse industry; the Starlight™. Targeted specifically for California and the western region of the U.S. and Canada, the Starlight™ featured a light tare weight, steel weldments of high tensile strength and quick cycle times. Wittke™ quickly sold more than 5,000 Starlight™ bodies, establishing the product as the industry leader. The Superduty™ – a body specifically designed for the stresses and payload requirements of the east coast market was then developed and introduced in the early 2000.

Upon acquiring the Wittke product line in 2006, Labrie took advantage of it's own front-end loader design and combined the best features of both products, adding Abrasion Resistant Steel, and reintroducing the newly enhanced Wittke font-end loader to the market with the fastest and smoothest arm cycle in the industry.

# ANYTHING IS POSSIBLE WITH WITTKE™

Just because a frontloader needs to be rugged and strong doesn't mean it needs to be heavy. The Wittke™ body is built using 100% Abrasion Resistant Steel. This means the weight that isn't taken up in the body itself can be added to the payload. More waste in the payload means more cash in your pocket.

Wittke™ frontloaders are strong and dependable. With the fastest and smoothest arm cycle in the industry, your operation will be fast and clean.

The details incorporated into the Wittke™ design all contribute to decreased maintenance and ensure a solid, dependable frontloader that will last for years.

Lower maintenance costs will also help your bottom line.



# STARLIGHT

**15,500 LBS**  
STARLIGHT™  
BODY  
WEIGHT

**10,000 LBS**  
LIFTING  
CAPACITY\*

**12-14 SEC.**  
LIFTING  
CYCLE



Wittke Starlight™ is known for its agility. Its low body weight maximizes the legal payload capacity and its fast lifting cycle ensures rapid loading on the route. The Starlight™ tackles both residential and commercial routes with ease and with its low body weight, you will be able to collect more material, providing the highest legal payload ever on each collection.

*\* Optional*

# SUPERDUTY



Wittke Superduty™ is as rugged as they get. The 100% AR Steel body delivers ultimate strength at the lowest possible body weight. The Wittke Superduty™ is the toughest of all frontloaders; engineered to require nominal maintenance and providing the lowest total cost of ownership.

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**16,700 LBS**  
**SUPERDUTY™**  
**BODY**  
**WEIGHT**

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**130,700 LBS**  
**PACKER**  
**CYLINDER**  
**FORCE**

---

**20 SEC.**  
**PACKING**  
**CYCLE**

# CERTIFIED FRONTLOADERS



A high-quality product must be made from high-quality materials. AR450 steel is strong yet light by design and has 5 times more abrasion resistance than mild steel. It is the ideal material to build a body that needs to be extremely rugged without giving up payload.

Both the Starlight™ and Superduty™ bodies are built using single sheets of AR steel, eliminating the risk of cracks and corrosion.

The benefit of building a body with such high-quality materials can result in an **8% average savings on maintenance costs alone** and with AR450 providing the greatest tensile strength and lightest weight in its class, Wittke™ frontloaders can also attain a minimum **5% higher legal payload**. This allows the operator to extend his route and increase revenues and AR steel enables these frontloaders to perform under the most extreme conditions.

# GET THE FASTEST CYCLE TIME WITH OUR POWERFUL HYDRAULIC DESIGN

Hydraulics provide the force behind any waste-collection vehicle. The Wittke™ hydraulic system has been carefully and thoughtfully engineered, right down to the corrosion-resistant zinc plating on the strategically placed hydraulic lines.

Wittke™ delivers the smoothest lifting arm operation and the quickest cycle time in the industry. The packing cycle takes a mere 18 to 20 seconds and

a complete arm cycle takes only 12 to 14 seconds, **increasing productivity by a minimum of 20 minutes per day.\*** The high flow hydraulic pump and deceleration valves have been used in combination to achieve the fastest and smoothest cycle times in the industry and our unique "work-at-idle" feature allows for the quietest early morning collection with no sacrifice to speed or compaction.

*\*based on a 8 hour shift*



## DURASCOPE™

### DURASCOPE PACKER CYLINDERS\*

Packer cylinders operate in one of the harshest environments for all waste hauling equipment. Constantly exposed to debris that can penetrate the seal and contaminate the hydraulic system, these revolutionary cylinders are equipped with:

- nitrated rods;
- an enhanced seal configuration;
- shavers that protect the cylinder from contamination.

Durascope cylinders will **reduce your maintenance costs by an average of 4%**. These details may be hidden, but they are what make the Wittke™ stand out from the rest.

*\* Optional*

### TAILGATE AUTO-LATCH

A tailgate that doesn't require any vertical movement to lock and seal will prevent additional stress and damage to the tailgate seal and improve its longevity. The tailgate on the Wittke™ frontloaders closes straight down and locks without any added friction that may cause premature wear. Wittke™ uses a simple design that improves tailgate seal longevity.



### **PLOW-SHAPED PACKER PANEL**

Debris should be directed into the body and not allowed to accumulate behind the packer. This is why the Wittke™ packer panel was designed with its innovative plow shape. **The panel angles are more efficient and result in a 12% higher compaction ratio and 25% lower cleaning costs.**

### **CHROMIUM OVERLAY\***

If you want a truly low maintenance frontloader, the parts that receive the most wear need to be made from the strongest materials. That is exactly why we use packer panel wear shoes and tracks made with chromium overlay. These parts move hundreds of times per day, and a typical shoe and track set-up would need to be replaced every 4 to 5 years. **However, with our chromium overlay package, these parts will last over the entire life span of the vehicle.** The kind of detail we have put into the Wittke™ design is something you won't find on any other frontloader in the industry today.

### **CANOPY SWEEPER\***

Lower your risk of leaving debris along the route. With a second lifting of the arms, debris can be swept back into the hopper and not allowed to fall on the ground. The canopy sweeper not only increases the operator's line of sight, but **it can save at least 30 minutes per week of labor.** Wittke™ frontloaders also have gutters strategically built into the canopies to direct the flow of fluid into the hopper thus limiting spillage over the windshield and the cab. Your customers will appreciate both the cleanliness provided by the unique canopy sweeper and gutter system designs.

*\* Optional*

# COLLECT STRATEGICALLY WITH DIGILOAD\*



When it comes down to it, optimizing waste collection is a numbers game. How much waste is each customer producing? How much payload is available on the truck? The only way to know is by weighing.

The DIGILOAD system has been designed to capture all the data you need without losing collection time and eliminating operator error. Strategically installed sensors detect the actual weight of the material in the waste bin while it is in motion.

This system eliminates repetitive calibration and lets the operator focus on more important tasks. With DIGILOAD you will be able to:

- calculate weight for each customer pick-up;
- charge according to weight;
- evaluate profitability;
- optimize your payload;
- organize your routes according to container weight.

## THE BENEFITS OF CHOOSING DIGILOAD OUTWEIGH THE COST:

- **OPTIMIZATION:** Collect data to better manage routes
- **SEAMLESS OPERATION:**
  - 98% accuracy for payload determination
  - Zero wait time to take a measurement
  - Eliminate operator error
- **INCREASED REVENUE:** Improve profitability by determining customer usage
- **LOW MAINTENANCE:** 10 times lower replacement sensor cost



\*Optional

# LABRIE CNG: DELIVERING A CLEANER WAY OF DOING BUSINESS SINCE 2001



With the high volatility of diesel prices, fuel choice has never been more important. At Labrie, we believe in greener, safer, smarter and more efficient waste collection vehicles. This is what we have been designing and building for the past 25 years.

We deliver the highest-quality, factory-installed compressed natural gas (CNG) solutions that are fully tested at our on-site CNG station. Our manufacturing expertise in CNG is passed along to you with every vehicle.

You benefit from a trusted source of expertise when it comes to converting to CNG.

## THE BENEFITS OF CHOOSING CNG ARE HUGE:

- **AFFORDABLE** : Substantially reduced fuel costs when compared to diesel
- **CLEAN**: 23% less Greenhouse Gas Emissions compared to diesel fuel
- **FOREIGN FUEL INDEPENDENCE**: 98% of fuel supplied from the U.S. and Canada
- **QUIET**: 10 decibels more quiet than a diesel truck

## WITTKETM CNG: EFFICIENCY AND RELIABILITY

- Integrated roof mounted design, 4 or 5 tanks, 60 to 75 DGE\*
- Innovative placement of guard covers, delivering complete & easy access
- Lightest CNG frontloader in the industry for maximum legal payload

*\* other setups available (up to 97DGE)*



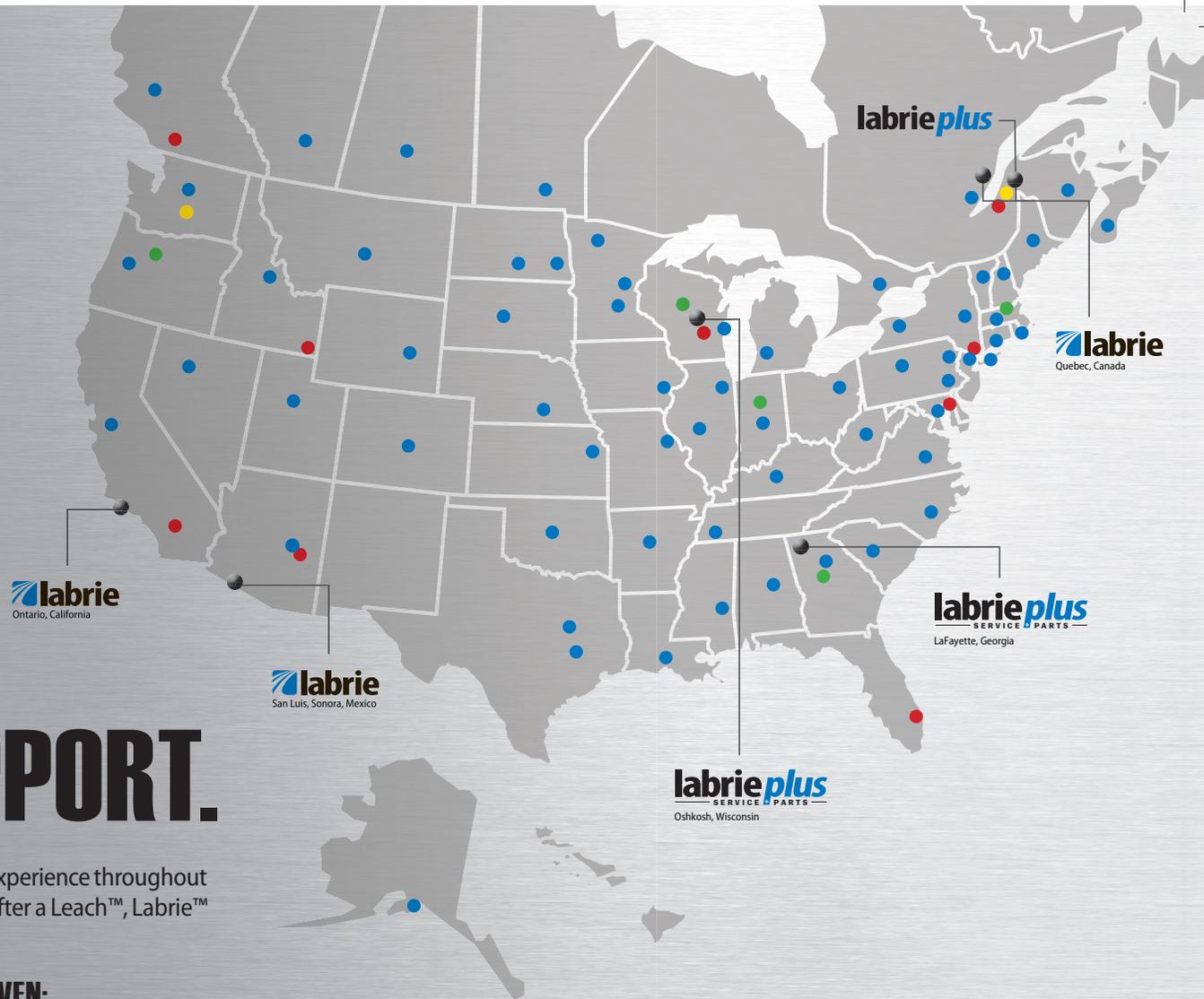
**CNG READY  
SINCE 2001**

# PREMIUM PRODUCTS COME WITH PREMIUM SUPPORT.

Labrie is committed to delivering the ultimate ownership experience throughout North America. Our pursuit of excellence continues long after a Leach™, Labrie™ or Wittke™ is put into service.

## OUR NORTH AMERICAN NETWORK IS QUALITY DRIVEN:

- **Labrieplus 24/7 customer support system**, provides quality replacement parts, premium hands-on field and live assistance. Peace of mind guaranteed.
- **A network of over 45 premium distributors** located throughout the United States and Canada are highly trained to assist you; providing live assistance from a dedicated staff of professional representatives to support all of our Leach™, Labrie™ and Wittke™ products.



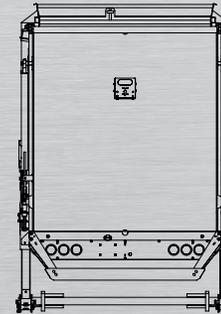
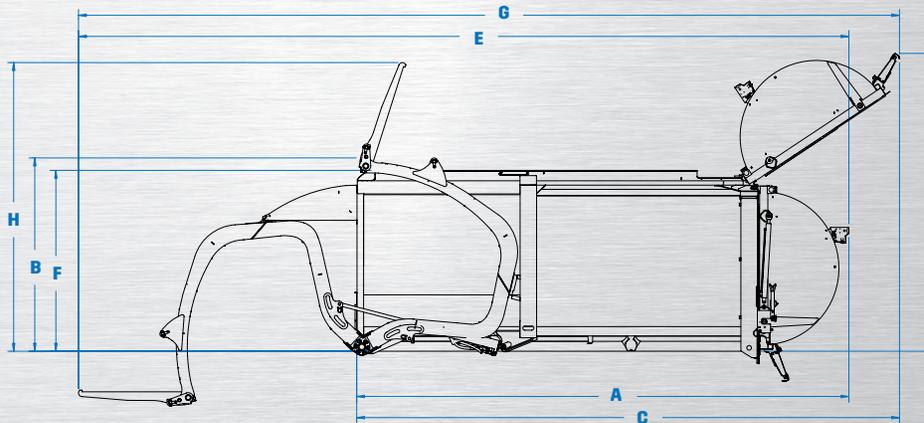
- Premium Distributor Locations
- Regional Sales Managers
- Field Service Representatives
- Technical Advisors / Demo Operators

Visit [www.labriegrup.com](http://www.labriegrup.com)  
to view a complete listing of our premium distributor network



## Body Dimensions

|   | 32v <sup>3</sup><br>(30+2) | 34v <sup>3</sup><br>(30+4) | 36v <sup>3</sup><br>(30+6) | 36v <sup>3</sup><br>(34+2) | 38v <sup>3</sup><br>(34+4) | 40v <sup>3</sup><br>(34+6) | 40v <sup>3</sup><br>(38+2) | 42v <sup>3</sup><br>(38+4) | 44v <sup>3</sup><br>(38+6) |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| A. Overall Length with Arms Stowed. Tailgate Closed (in.)                 | 245                        | 260                        | 275                        | 269                        | 284                        | 299                        | 296                        | 311                        | 326                        |
| Overall Width (in.)   | 102                        | 102                        | 102                        | 102                        | 102                        | 102                        | 102                        | 102                        | 102                        |
| B. Overall Height Above Frame with Arms Stowed. Tailgate Closed (in.)     | 118                        | 118                        | 118                        | 118                        | 118                        | 118                        | 118                        | 118                        | 118                        |
| C. Overall Length with Arms Stowed. Tailgate Open (in.)                   | 308                        | 308                        | 308                        | 331                        | 331                        | 331                        | 358                        | 358                        | 358                        |
| D. Overall Height Above Frame with Arms Stowed. Tailgate Open (in.)       | 178                        | 178                        | 178                        | 178                        | 178                        | 178                        | 178                        | 178                        | 178                        |
| E. Overall Length With Arms/Forks Down. Tailgate Closed (in.)             | 414                        | 429                        | 444                        | 438                        | 453                        | 468                        | 465                        | 480                        | 495                        |
| F. Overall Height Above Frame With Arms/Forks Down. Tailgate Closed (in.) | 110                        | 110                        | 110                        | 110                        | 110                        | 110                        | 110                        | 110                        | 110                        |
| G. Overall Length With Arms/Forks Down. Tailgate Open (in.)               | 476                        | 476                        | 476                        | 500                        | 500                        | 500                        | 527                        | 527                        | 527                        |
| H. Overall Height Above Frame with Arms Stowed/Forks Up. Tailgate Closed  | 175                        | 175                        | 175                        | 175                        | 175                        | 175                        | 175                        | 175                        | 175                        |



# WITTKE

| Performances                              | Starlight                  | Superduty                        |
|---|----------------------------|----------------------------------|
| Arms Up                                   | 12 - 14 sec @ 700 rpm      | 12 - 14 sec @ 700 rpm            |
| Arms Down                                 | 10 - 12 sec @ 700 rpm      | 10 - 12 sec @ 700 rpm            |
| Forks Up                                  | 3.5 - 4.5 sec @ 700 rpm    | 3.5 - 4.5 sec @ 700 rpm          |
| Forks Down                                | 3.5 - 4.5 sec @ 700 rpm    | 3.5 - 4.5 sec @ 700 rpm          |
| Packer Extend                             | 14 - 18 sec @ 1500 rpm     | 14 - 18 sec @ 1500 rpm           |
| Packer Retract                            | 5 - 6 sec @ 700 rpm        | 5 - 6 sec @ 700 rpm              |
| Top Door complete cycle                   | 13 - 17 sec @ 700 rpm      | 13 - 17 sec @ 700 rpm            |
| Tailgate Open                             | 21 sec @ 700 rpm           | 21 sec @ 700 rpm                 |
| Tailgate Close (with Safety Flow limiter) | 26 sec @ 700 rpm           | 26 sec @ 700 rpm                 |
| Arm Specifications                        | Starlight                  | Superduty                        |
| Arm Construction                          | 10,000 lbs load rated arms | 10,000 lbs charge nominale       |
| Arm Thickness                             | 4"                         | 4"                               |
| Arm Side Plates                           | 1/4" 100 XF 100,000psi     | 1/4" 100 XF 100,000psi           |
| Arm Lifting Capacity                      | 8,000 lbs                  | 8,000 lbs (10,000 lbs en option) |

| Body Specifications                     | Starlight                                 | Superduty   |
|---|---|---|
| Body Floor                              | 0.157" AR450 175,000psi                   | 3/16" AR450 175,000psi  |
| Body Sides                              | 0.118" 100 XF 100,000psi                  | 0.157" AR450 175,000psi                                       |
| Body Roof                               | 12ga A1011 80,000psi                      | 0.157" AR450 175,000psi                                       |
| Tailgate                                | 12ga A1011 80,000psi                      | 0.157" AR450 175,000psi                                       |
| Fork Specifications                     | Starlight                                 | Superduty   |
| Forks Thickness                         | 1" Weldox 700 100,000psi                  | 1-1/2" Weldox 700 100,000psi                                  |
| Packer Specifications                   | Starlight                                 | Superduty   |
| Compaction ratio (lbs/yd <sup>3</sup> ) | 600                                       | 650   |
| Packer Panel Lower Face Plate           | 3/16" AR450 175,000psi                    | 3/16" AR450 175,000psi (1/4" sur bennes de 34v <sup>3</sup> ) |
| Packer Panel Upper Face Plate           | 0.157" AR450 175,000psi                   | 0.157" AR450 175,000psi                                       |
| Bottom Packer Wear Shoes                | 3/8" AR450 175,000psi (Chromium optional) | 3/8" AR450 175,000psi (Chromium en option)                    |

| Hopper Specifications                       | Starlight                                 | Superduty                                     |
|---|---|---|
| Hopper Size (yd <sup>3</sup> )              | 12  | 12  |
| Hopper Width                                | 80"                                       | 80"   |
| Hopper Floor                                | 3/16" AR450 175,000psi                    | 1/4" AR450 175,000psi                         |
| Hopper Sides (upper)                        | 0.118" 100 XF 100,000psi                  | 3/16" AR450 175,000psi                        |
| Cylinder Specifications                     | Starlight                                 | Superduty                                     |
| Packer Cylinders (30yd <sup>3</sup> bodies) | 3 stages 5-1/2" bore x 133-9/16" stroke   | -   |
| Packer Cylinders (34yd <sup>3</sup> bodies) | 3 stages 5-1/2" bore x 167-13/16" stroke  | 3 étapes 5-1/2" alésage x 167-13/16" course   |
| Packer Cylinders (38yd <sup>3</sup> bodies) | 3 stages 5-1/2" bore x 181-1/2" stroke    | 3 étapes 5-1/2" alésage x 181-1/2" course     |
| Arm Cylinders (8,000 lbs Lifting capacity)  | 4-1/2" bore x 2" rod x 45-3/8" stroke     | 4-1/2" alésage x 2" tige x 45-3/8" course     |
| Fork Cylinders                              | 3-1/2" bore x 1-3/4" rod x 18-7/8" stroke | 3-1/2" alésage x 1-3/4" tige x 18-7/8" course |
| Tailgate Cylinders                          | 2-1/2" bore x 1-3/4" rod x 39" stroke     | 2-1/2" alésage x 1-3/4" tige x 39" course     |
| Top Door Cylinder                           | 2-1/2" bore x 1-1/2" rod x 92" stroke     | 2-1/2" alésage x 1-1/2" tige x 92" course     |
| Hydraulics                                  | Starlight                                 | Superduty                                     |
| Pump Make & Model                           | Muncie Live Pak (gear)                    | Muncie Live Pak (à engrènement)               |
| Pump Capacity                               | 60 gpm @ 1500 rpm                         | 60 gpm @ 1500 rpm                             |
| Max. Operating Pressure                     | 2,500 psi                                 | 2,750 psi                                     |
| Oil Reservoir                               | 74 gal                                    | 74 gal  |

Note: Specifications subject to change without notice



## THE LABRIE GROUP

The Labrie Group is one of the largest manufacturer's of refuse and recycling collection vehicles in North America. Our product lines of Labrie™, Leach™, and Wittke™ are renowned to be the most reliable, efficient, productive, and innovative in the solid waste industry today.

Throughout our history, we have been recognized for the design and production of the highest quality vehicles available on the market, while our customers benefit from a single trusted source of engineering expertise.

At Labrie we continually push the boundaries of innovation to provide a greener, safer, smarter and more efficient way of waste management and collection.

We are committed to building and delivering the finest refuse collection equipment in the industry to suit all of your collection needs. With the strongest dealer network in the industry (over 45 distribution points across the continent), our stock and demo program, engineering expertise, and the Labrieplus 24/7 customer support center,

Labrie delivers the ultimate ownership experience. Labrieplus is Labrie's full service customer support center located in the U.S. Its mission is to provide quality replacement parts and premium hands-on field support to Labrie equipment owners. Labrieplus is the single source for Labrie™, Leach™, Wittke™ and Pendpac™ OEM and selected all makes of parts.

# DRIVE EXCELLENCE



Labrie is certified ISO 9001-2008 and attests to the quality of these products. Labrie has made every reasonable effort to ensure that the information contained in this brochure is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify designs, characteristics and products at any time. Contact Labrie for prices and options or to obtain the phone number of your local Labrie distributor. For the most recent version of our spec sheets, please go to Labrie website at [www.labriegrup.com](http://www.labriegrup.com). In case of discrepancy, the Web version takes precedence over any printed literature.  
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