



# **PRODUCT CATALOGUE**

## **MOWING EQUIPMENT**



# MOW MORE



# OUR MISSION

**Our mission is to design, manufacture and distribute the highest quality, most durable and reliable farm equipment in the world, which is affordable and meets or exceeds the expectations of our most demanding customers.**

Highline Manufacturing is a division of Bourgault Industries Ltd. and as such shares a common standard of "pursuing perfection" in their business approach. Highline's shared approach is to develop relevant products of the highest quality that exceed the expectations of our most discerning customers.





**PRESIDENT’S MESSAGE**

Thank you for your interest in the RCH™ Hydro. We live in a time when those who are making equipment buying decisions are seeing new developments on a regular basis. However, there are always risks to buyers in taking the plunge only to discover that the new technology falls short of delivering on expectations. Thus the safe way to go for buyers is to maintain the status quo; however, the benefits of new technology are obviously forsaken. Highline® is committed to developing new products to provide its customers with advanced features that are not currently available in the industry. The design features on the RCH™ Hydro make the job of mowing easier for the operator and the hydraulic drive system reduces downtime, the time to perform maintenance and maintenance costs. Highline® rigorously tests its products to try to ensure that the buyer’s experience will be a good one; however, in the event that problems do surface, Highline’s Customer Service Department stands ready to react to any problems that do surface. In this brochure you will run across the experiences of several users who, based on their experience have confirmed the benefits that Highline® has designed into the RCH™ Hydro 10 and 15. We believe that if you take the plunge with this new technology, you will be rewarded with the same benefits as the people who have provided the testimonials in this brochure.

**PRESIDENT OF BOURGALT INDUSTRIES LTD.**

Gerry Bourgault, P. Eng.



“Highline® is committed to developing new products to provide its customers with advanced features that are not currently available in the industry.”

**GENERAL MANAGER’S MESSAGE**

Thanks for your interest in the RCH™ Hydro mower. This mower is the outcome of over 10 years of listening to the needs of municipalities and contractors involved in roadside ditch mowing. There is truly nothing like it on the market. The self-contained hydraulic drive system eliminates complex mechanical drive trains that are costly to maintain and repair. This mower allows the operator to spend more time mowing and less time fixing – plain and simple. The integrated hitch and optional joystick control result in a highly maneuverable machine that is easy to operate even in the most challenging terrain. Contact Highline® or an authorized RCH™ Hydro Mower dealer to arrange for a demo today!

**GENERAL MANAGER OF HIGHLINE MANUFACTURING**

Bob Cochran, P. Eng.



“There is truly nothing like it on the market.”

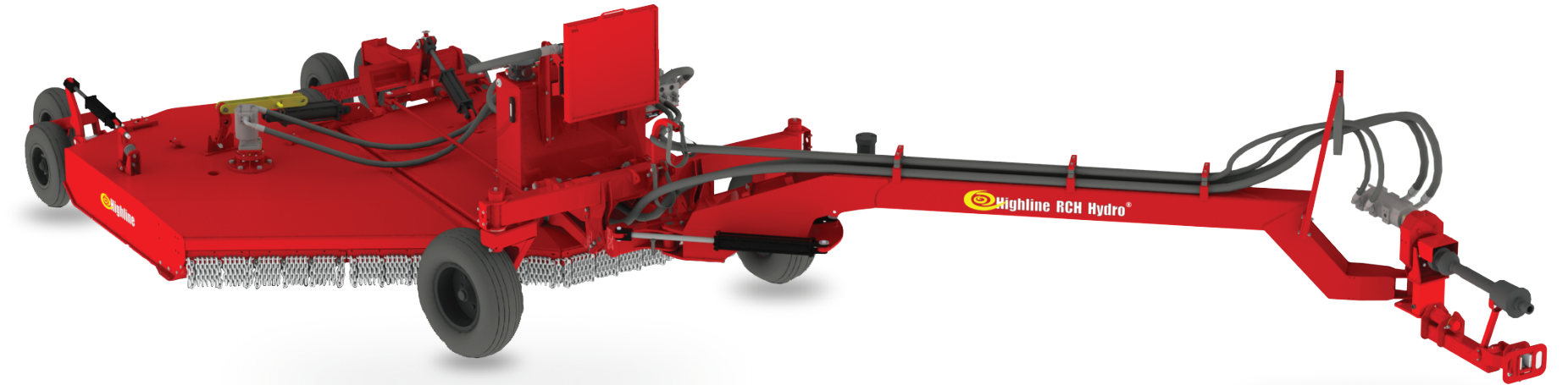
# 2 RCH™ HYDRO models

with minimal maintenance.

The RCH™ Hydro Mower reduces maintenance requirements resulting in minimal downtime. Hydraulic relief valves replace clutches that are prone to seizing, while protecting the blades and pans from shock loads.



**Mow More**  
**RCH™ HYDRO 15**



**Within ReaCH**  
**RCH™ HYDRO 10**





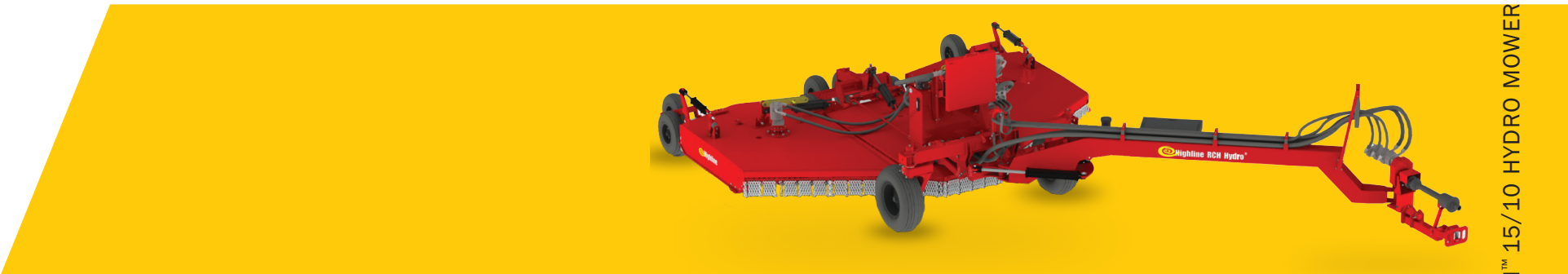
**RCH™ 15/10**

# THE RCH™ HYDRO within ReaCH

The RCH™ Hydro Mower offers benefits such as ease of use, less maintenance time, with exceptional cut quality. Just ask one of our current operators!

**Name:** Danny Cayer  
**Location:** RM of Lake of the Rivers, Saskatchewan  
**Role:** Foreman

The Highline® RCH™ mower is very friendly to operate, easy to maintain with less moving parts. We have dropped our cost of repairs by a large margin over our previous owned units. The hyd drive has given us no issues at all, servicing time is down with minimal greasing thus cutting more miles in a day. The self- contained hitch is a big advantage over two piece mower and hitch design others have to offer.



RCH™ 15/10 HYDRO MOWER





**Name:** Mike Wiggins

**Location:** RM of Fillmore, Saskatchewan

**Role:** Mower Operator

The Highline® RCH™ Hydro mower has great movability when mowing in and around sign posts, culverts, and is easy to back around and into approaches. The mower has great flotation in wet area conditions. Our servicing time and repair costs are minimal with very few grease zerks, we are using 50% less blades compared to what we used on our other mowers giving us more mowing hours in a season. Features I would recommend are the joystick control, foam filled tires, walking axles, gradient steering and front gauge wheels.

# RCH™ HYDRO Mower

**Name:** Kelvin Dutka

**Location:** RM of Invergordon, Saskatchewan

**Role:** Councillor

The RM of Invergordon is very pleased with their new Highline® Mower. The mower leaves an excellent finished job. The gradient control works very well when our operator turns it on steep slopes and it straightens the tractor right out, where our other sidearm mower puts a lot of drag on the tractor. The small amount of maintenance is one of the greatest benefits, including no gear boxes to maintain, no u-joints or drive lines to grease every morning, just the one off the tractor. So, our start up time in the morning is minimal. The operators also approve of the joystick controls in the cab. Everything is handy and at their fingertips. I would recommend one of these mowers to other municipalities as I am sure they would be very satisfied.

# RCH™ HYDRO Mower



TESTIMONIALS



## THE HYDRAULIC DRIVE ADVANTAGE

The hydraulic drive advantage translates into less time doing maintenance and more time operating! This is because the hydraulic drive system eliminates a number of moving parts including slip clutches which can wear over time reducing overall performance. The hydraulic drive system reduces the number of PTO assemblies which means less time greasing.

Also, when a mower blade hits an obstacle, the hydraulic pressure is relieved, reducing force being applied on the blade and potential damage.



## EXTREME Maneuverability.

No need to steer the tractor around stop signs or obstacles — just use the hydraulic controls to maneuver the mower. Large front tires assist in ground contouring and provide excellent flotation.

# The **RCH™** HYDRO MOWER



## THE OPTIONAL JOYSTICK IS SIMPLY MORE INTUITIVE!

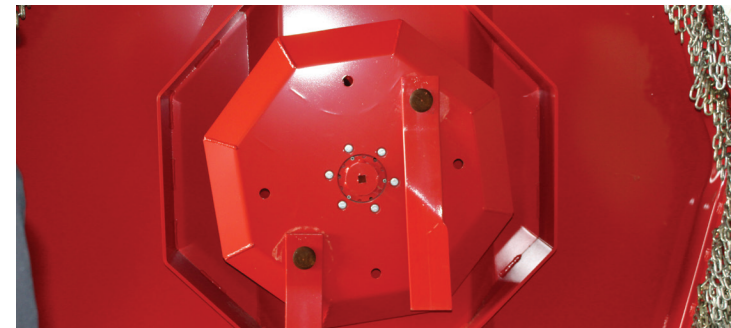
With all hydraulic functions on one control, the Operator can easily operate the RCH™ Hydro Mower with minimum effort. Operators are raving about the ease of use the joystick provides.

Following are some of their comments:

“Your low-effort joysticks provide instant control response with minimum movement.”

“Should not even be an option, I would never run without a joystick ever again!”

The joystick controls the decklift, independent wing lift, hitch swing, gradient steering all the while reducing operator fatigue.



## LARGE, SMOOTH UNDERSIDE SHREDS MULCH.

A depth of 11" from the underside of the deck to the blade allows for a larger volume of material to be mulched, resulting in a better cut.

The deck protection rings protect the underdecks from damage due to the rotary blade, flying rocks, or debris.



**Name:** Craig Madden

**Role:** Public Works Foreman

Our having hydraulically driven power heads vs a mechanical driveline has reduced our downtime by at least 30%, resulting in an increased amount of mowing per day by that same percentage or even higher due to the fact that we do not have to spend as much time greasing the mechanical moving parts, we also noticed a savings in consumable parts (blades) as there is more forgiveness in the hydraulic system when objects are struck with the blades, overall, I think the smoothness of the hydraulically driven system will keep proving itself in [reduced] maintenance and [increased] productivity.



An industry exclusive feature of a Highline® mower is the integrated Radial Contouring Hitch (RCH™). The RCH™ is designed to keep the tractor on the road and the Operator safe while achieving a quality cut.

Versatility - Mow on Both Sides of the Road Without Switching Configurations

Mow to the left or the right, or behind on flat areas. The mower can ReaCH either side without requiring a configuration change. The mower can be easily manipulated for backing up and turning around in tight spaces.



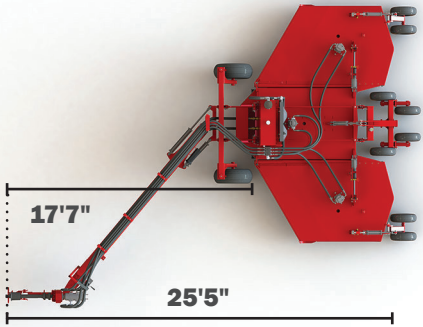
Independent Wing Lift

Mow in areas that are restricted for space by lifting each wing independently. The ability to lift the wings and turn off the deck motors independently is exclusive to a hydraulic mower.

Save Time and Increase Productivity.

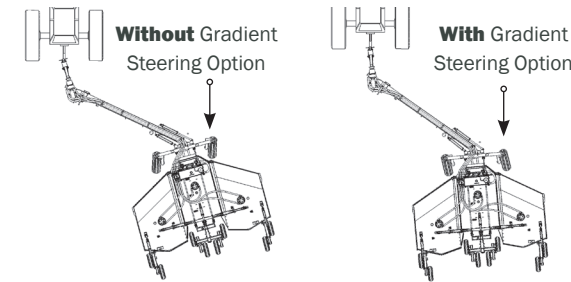
Greasing and maintenance have always been time consuming and cumbersome tasks. Care and greasing on traditional, mechanically-driven ditch mowers can take from 30 minutes up to an hour of preparation time every day! With the RCH™ Hydro Mower greasing and maintenance takes approximately 10 minutes.

In a mowing season of 100 days this translates into an extra 100 miles of mowing!



Gradient Steering

The gradient steering, available on the RCH™ Hydro Mower, helps to eliminate skewing on steep side slopes. The skew is lessened as the front wheels help to hold the mower from skidding down the ditch.



In this illustration the front wheels are free to caster and the mower is skewed noticeably. In this illustration, the front wheels are steering the mower up the ditch, so the skew is reduced.

With conventional mowers, greasing is a tedious, laborious task. With the RCH™ Hydro, greasing of a single driveline is all that it takes to be up and running!



The Large Tool Kit conveniently stores extra blades and tools for easy access when maintenance is required.

High Capacity Cooling Unit

The high capacity, 24 hp cooling unit efficiently cools the oil. A reversible electric cooling fan keeps the radiator clean by blowing out debris.

The Hitch's Low Pull Point

Minimal downward force improves flotation.

Replaceable Caster Shaft and Spindles

Accidents happen! Highline caster shafts are designed to be replaced simply and easily. Instead of having to replace the entire caster wheel assembly, individual component shaft parts are available and can be easily changed out.

2:1 Speed Increaser The RCH™ mower is equipped with a 2:1 Speed Increaser. This is valuable as it allows for higher speeds with a more compact pump. Competitors' hydraulic pump designs are much larger and attach directly to the tractor making initial setup awkward.

A low, 650 lb of weight on the jack.

Walking Axle - experience a smoother ride and better contouring with the walking axle on the wings.

Replaceable Skid Plates are made from durable abrasion resistant steel. Skid Plates can be installed on either side of the machine, which is an advantage as it tends to have greater wear on the outside than the inside.





Drive your tractor on a safe footing while ReaCHing into more difficult places with the mower. The RCH™ design allows the tractor to remain on the road on a safe level footing. There is no need to run dual tires to increase stability. No more tractors stuck in soft ditches. Gone are the days of putting your foot on the tractor window to keep yourself in the seat, reducing driver fatigue.



Wing Lift is 90° for compact road transport.

# RCH™ HYDRO SPECIFICATIONS



| MODEL  | RCH™ Hydro 15               | RCH™ Hydro 10               |
|--|-----------------------------|-----------------------------|
| Cutting Swath                                  | 180" (4.57 m)               | 120" (3.05 m)               |
| Cutting Capacity                               | 3 ½" (89 mm)                | 3 ½" (89 mm)                |
| Cutting Height                                 | 2" to 15" (51 mm to 381 mm) | 2" to 15" (51 mm to 381 mm) |
| Overall Width<br>(to outside of wings lowered) | 196" (4.98 m)               | 150" (3.81 m)               |
| Overall Length                                 | 402" (10.21 m)              | 402" (10.21 m)              |
| Transport Width                                | 120" (3.05 m)               | 112" (2.84 m)               |
| Weight   | 8600 lb (3901 kg)           | 7600 lb (3447 kg)           |
| Blade Size                                     | ½" x 4" (13 mm x 102 mm)    | ½" x 4" (13 mm x 102 mm)    |
| Wing Working Range                             | 25° Down, 55° Up            | 25° Down, 55° Up            |
| Double Safety<br>Chains All Round              | Standard                    | Standard                    |
| Minimum<br>Recommended HP                      | 140 HP (104 kw)             | 115 HP (86 kw)              |

| MODEL                   | RCH™ Hydro 15                  | RCH™ Hydro 10                  |
|-------------------------|--------------------------------|--------------------------------|
| Deck Thickness          | ¾" High Impact Resistant       | ¾" High Impact Resistant       |
| Blade Tip Speed         | 15250 fpm (4650 mpm)           | 15250 fpm (4650 mpm)           |
| Standard Front Tires    | 32 x 11.5 x 15 22 Ply          | 32 x 11.5 x 15 22 Ply          |
| Rear Tires (Wing)       | 6 x 9 x 20 Laminate (Standard) | 6 x 9 x 20 Laminate (Standard) |
| Rear Tires (Center)     | 6 x 9 x 20 Laminate (Standard) | 6 x 9 x 20 Laminate (Standard) |
| Hydraulic Fluid         | Hydrex MV32                    | Hydrex MV32                    |
| Oil Capacity            | 42 Imp Gal (190 L)             | 42 Imp Gal (190 L)             |
| Deck to Blade Clearance | 11" (279 mm)                   | 11" (279 mm)                   |
| Tongue Weight           | 650 lbs (295 kg)               | 650 lbs (295 kg)               |
| Driveline               | Cat 4 1000 PTO -1 ¾" 21 Spine  | Cat 4 1000 PTO -1 ¾" 21 Spine  |

While every effort has been made to ensure that the information is accurate/current at the time of production, all specifications are subject to change.  
For the latest product information, please visit:  
[www.highlinemfg.com](http://www.highlinemfg.com).







# MOW MORE

YOUR LOCAL PROFESSIONAL HIGHLINE DEALER:

Printed in Canada - 05.20



Highway #27, PO Box 307  
Vonda, SK, Canada S0K 4N0

[www.highlinemfg.com](http://www.highlinemfg.com)