# 2024 AG PRODUCT CATALOGUE



# Seeding Openers | Disc Scrapers Fertilizer Knives | Hydraulic Kits



# Celebrating Over 60 Years In Business With Over 35 Years in Agriculture

Atom-Jet is committed to providing the highest quality products and unmatched customer service. We do this by operating quality controlled manufacturing facilities, employing exceptional people, and partnering with qualified dealers. At the heart of this philosophy is the Atom-Jet 100% Money-Back Guarantee, which is not matched by any other opener manufacturer in the market today. Unlike other guarantees, ours is not prorated. If your agricultural product has not performed to your satisfaction within the first year (12 months from purchase) **our sales and service team, in cooperation with your local dealer, will come to your farm to correct the problem**. If they cannot, Atom-Jet will refund 100% of your money.\*

\*Atom-Jet Money-Back Guarantee: Atom-Jet will provide a 100% money back guarantee on openers purchased within one year of the ship date provided the following conditions are met; otherwise, the guarantee becomes null and void: 1. Atom-Jet is notified within 1 year from date of sale. **2. The Atom-Jet service team was granted access to resolve the concern at the time of occurrence.** 3. Openers were not operated under adverse tripping conditions (ie. 500+lbs. trip pressure) or in untillable conditions.



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# CONTENTS

We're located at Monitor, Alberta, and we're a mixed farm operation with both cattle and grain.

We've been running Atom-Jet openers since 2001. We are farming over a large distance with lots of different soil types so we went with the Atom-Jets because they had a guarantee of no plugging; we tried them and we've been using them ever since.



**Charles Chrisp** Monitor, AB

The Atom-Jet openers are very durable; with hard surfacing every 5,000 acres we were able to get 32,000 acres out of one set of boots.

We're now running the new High Rate Side Bands; in this area here we're running some lighter sandy lands, so the more separation we can get between seed and fertilizer means less chance of crop damage.

I do recommend Atom-Jet openers. I've been an advocate since our first season with them. They work well, they're simple, and with hardsurface rebuilding, they're economical.

Atom-Jet Agriculture Guarantee	2
Points of Difference	4
Things to Know	6
Installation	9
R&D Information	10
Seed Placement	12
OPENERS FOR:	
C-Shank	16
Morris Contour & Quantum	20
Bourgault Paralink	24
CNH Flex Hoe	32
Concord Edge On	34
Morris Maxim	36
Case IH 700 / NH P2060	38
Versatile	40
Replaceable Points	42
Hoe Drills	44
Precision Disc Scrapers for Case IH 500/NH P2080	46
Scrapers for Case IH SDX Systems	50
John Deere 1870 ConservaPak	52
Applicator Knives	56
Potato Hiller Tines	60
Hydraulics – Closed-Center System	62
Hydraulics – Open-Center System	64
Parts & Accessories	66

# **OINTS OF DIFFERENCE**

# **POINTS OF DIFFERENCE**

# SEED/FERTILIZER PLACEMENT

- Great seed to soil contact leads to quicker germination for a superior plant stand
- Our vertically designed opener has the ability to place the seed on a firm seedbed immediately after opening the soil eliminating seed bounce and soil fracturing.
  - Due to a sleeker profile, closure is achieved in a very short amount of travel creating an **impeccable field finish**.
- Openers of horizontal design attempt to drive seed against the direction of travel, usually resulting in seed bounce and poor overall placement.
- Atom-Jet Agriculture pioneered the vertical design.
- It's true innovation that competitors in our market continue to emulate to this day.

# SOIL DISTURBANCE

- The shape and form of our vertical design isn't simply the most stylish profile available, it's practical too.
- By causing the soil to be split, we nearly eliminate the throw that comes with bulkier horizontal openers reducing your risk of not retaining enough soil to cover the seed or cause stepping.

# TRASH CLEARANCE

- Our vertical installation and smooth body is a huge asset when it comes to trash clearance.
- Trash rides up the point and clears around the vertical rounded seed tube.

# SAME PLANE PLACEMENT

- All Atom-Jet openers utilize "Same Plane" placement during the delivery of seed and fertilizer to the seedbed.
- Atom-Jet Agriculture was the first to implement
- **"Same Plane"** placement to prevent the seedbed from fracturing.
- Atom-Jet believes a fractured seedbed dries out quicker and generates the potential for uneven germination.
- It also increases the risk of seed burn by creating an area where seed and fertilizer can merge.
- A firm seedbed produces good seed-to soil contact, enabling enhanced absorption of moisture and nutrients by the seed, while excluding fertilizer from the seed row.

# **NO-PLUG TECHNOLOGY**

- Through vertical design, mud blockage and plugging have been virtually eliminated.
  - The curved area under the point or "mud spur" is made to inhibit soil from "orange peeling"
  - Competitors' horizontal designs actually precipitate the mud curl travelling up and into the rear of the opener.
- Our vertical design produces a larger seed gallery, ensuring the seed drops freely onto the seedbed, minimizing internal plugging.

# **SOIL PENETRATION**

- Vertical design simply uses the weight of your drill to penetrate the ground at the smallest point on your opener—the tip.
- With horizontal openers, you are attempting to puncture hardpan with the widest part of the tool.

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4





SEED FERTILIZER

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# DRAFT

- With the cost of fuel increasing, reducing draft is of the utmost importance.
- With Atom-Jet you won't be forced to seed deeper to place the seed where it needs to be, increasing the load on your tractor and implement.
- Our streamlined design keeps you moving economically across the field.

# ROCKS

- As "C"-Shanks trip, the opener actually goes deeper into the ground before coming up and out.
- This action turns horizontal designs into some of the best rock picking tools available, placing huge amounts of stress on drill frames and shanks.
- By developing our openers to have a flatter design at the point, it produces a shape that is more likely to float across the top of the stone, rather than hook or pull it up into your field.

# MAINTAINABLE

- Atom-Jet openers are formed from quality steel plate and fortified with high-grade hard surfacing.
- This presents producers with the ability to extend the life of their purchase through the replacement of points, wings, and tops.
- All hard surfacing can be renewed to its original condition.
- If you can weld, hard surfacing can be done yourself or send the opener to us and we will recondition it for you.

# CARBIDES

- For over 20 years we have delivered the ultimate in carbide technology to producers around the globe.
- With continued research into grade, shape, and installation techniques, we continue our never ending quest to innovate better tools.
- Compare us to the competition and see for yourself why Atom-Jet is the driving force in carbide technology.

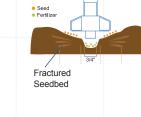
# **CHUTE SIZE**

- The vertical design allows for a large open gallery right behind the point, minimizing plugging.
  - In comparison to our competitors, Atom-Jet has the advantage of the largest seed gallery.
- Double shoot openers that direct seed to the side have a large seed chute.
- This allows for seeding of broader seeds such as peas and beans.
- The large chute allows the seed to easily get around the bend, reducing the risk of plugging.

# CONCERNS WITH LOWER POINT OPENERS

- Fractures the soil allowing the escape of moisture content.
- Risk of uneven germination.
- Potential for seed to mix in with fertilizer as the seed rolls down the shoulder of the furrow.
- Increased soil throw.

CARBID



# THINGS TO KNOW

## **OPENERS**

For opener lefts and rights, look from behind the air drill and take note of which direction the wing/chute of the opener points. For a left opener, the wing and chute will point out to the left side of the opener, whereas for a right they will point to the right.

When mounting an opener onto your drill, wings should always point to the middle of the air drill to ensure there is no plugging during sharp turns.



### RIGHT OPENER LEFT OPENER

# SCRAPERS

For scraper lefts and rights, look from the behind the air drill and take note of which side the scraper wing points. For a left scraper, the wing will point to the left, whereas for a right they will point to the right.

For scrapers with no wing, lefts and rights are based on which side of the disc the scraper is on from behind. A left scraper will be to the left of the disc, and right will be to the right.

For CNH disc drills, a left scraper will always be on the right half of the drill, and a right scraper will always be on the left of the drill.

For Bourgault Mid Row Banding scrapers, lefts and rights are interspersed throughout the drill at random so extra caution should be paid when counting the numbers to order.

**RIGHT SCRAPER** 

**LEFT SCRAPER** 

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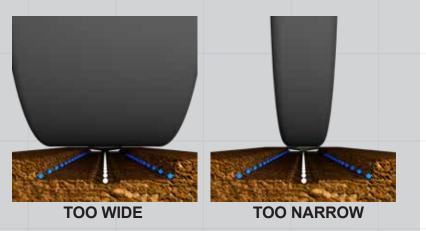
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# **PACKER TIRE WIDTH**

When choosing the correct opener for your application needs, packer tire width plays an important role in what openers can be used effectively. When suggesting openers, we always want to make sure that there is at least 0.5" of packer tire width outside the width of the opener to ensure that planted seeds are getting adequate packing. Using too narrow a packer tire could mean that your tire is pressing down and missing packing the seed into the furrow. On the opposite side, using a packer tire that is much wider than your opener can lead to the tire riding on the untilled ground not putting any pressure down to pack the seed.







# 11/8".1.3/4".1.1.3/8".1

# **TWIN BAND OPENERS**

Atom-Jet's line of Twin Band openers places seed and NH3 on the same plane. During seed placement, the seed is directed opposite the NH3, providing excellent separation and seed safety. Because they're on the same plane, seed-to-soil contact is superior and seedbed fracturing is effectively non-existent. The NH3 wing is slightly tilted down to improve furrow closing speed, ensuring that NH3 stays sealed in the ground where it's needed.

The design of the Twin Band not only allows for excellent separation between seed and NH3, but the additional third chute in the middle of the furrow allows for a band of granular fertilizer to be placed down between the seed and NH3 bands making this a true triple-shoot opener.

Twin Bands provide a cost-effective and trustworthy alternative solution to Mid-Row Banders.

8

# SCRAPER PLACEMENT GUIDE

Atom-Jet scrapers are designed to be initially mounted so the lowest point of the leading edge of the scraper is 1/8" above the bevelled edge of the disc. This applies to new drills or new discs.

If the discs are slightly worn at time of installation, set each scraper to be between  $\frac{1}{2}$ " and  $\frac{3}{4}$ " from the edge of the disc.

Over the life of the scraper, ensure that the wing and tube always remain within the diameter of the disc. Once the wing no longer is within the diameter of the disc, the discs are ready to be replaced.

# MORRIS CONTOUR & QUANTUM BOLT HOLE GUIDE

Atom-Jet openers are designed to be compatible with all Morris Contour 1, Contour 2, and Quantum drills. When mounting your openers to these drills, be sure to follow the bolt hole guide shown here.

# PATENTED CARBIDE INSERT

This opener was designed after requests from our customers in dry regions who wanted an ultra-low disturbance opener. The narrow point provides less soil disturbance, which in turn helps to keep the moisture in the furrow. With the narrower point, increased side pressure from the furrow usually wears thinner points out too quickly; therefore, the Atom-Jet R&D team designed a carbide insert to keep the point from washing out on the sides. This innovation was patented (9,066,462 B2) and has proven itself in Montana and Australia where drier conditions exist.



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**CONTOUR 1** 

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CONTOUR 2 QUANTUM

# INSTALLATION

# **INSTALLATION**

**CNH PRECISION DISC** 

### **MID-ROW BANDING SCRAPER**



**INSTALLATION VIDEO** agriculture.atomjet.com/ mrb-scraper-video



**INSTALLATION VIDEO** youtu.be/ kLKRmfZBGh0



**INSTALLATION GUIDE** agriculture.atomjet.com/ cnh-scraper-install



### SEED OPENERS



**INSTALLATION GUIDES** agriculture.atomjet.com/ installation-guides-for-seed-openers

### **CASE IH SDX DUAL SHOOT**

**INSTALLATION GUIDE** 

agriculture.atomjet.com/

mrb-scraper-install



**INSTALLATION VIDEO** voutu.be/ WunYTm79ruQ



**INSTALLATION GUIDE** agriculture.atomjet.com/ cih-sdx-dual-install

# **R&D INFORMATION**

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# SCRAPERS FOR JOHN DEERE

After releasing our line of Single and Dual Shoot scrapers for the CNH Precision disc drills, users of the John Deere 1890 line of disc drills came to us looking for a similar system.

Atom-Jet's Research and Development team has been working on a longer-lasting replacement single shoot scraper for the John Deere 1890. Optimized carbide placement, coupled with abrasion-resistant plate makes our replacement single shoot scrapers the perfect match for this drill.

For users looking for a Dual Shoot option to allow them to put down a full rate of fertilizer along with the seed, we have been working to develop a dual shoot liquid scraper for this unit. With the 1890 row units not having a parallel linkage, our scraper package is designed with angle adjustment in the scraper to keep the wing running parallel to the ground at whatever depth the operator is running at.

Finally, for users running the 1895 Separate Fertilizer Placement version of the drill, Atom-Jet was approached by users having issues with their OEM banding scraper mount breaking. Our R&D team has been working to develop a stronger mounting system for this drill while also developing a new harder-wearing scraper to increase the unit's life.

If you would be interested in trying these products, please contact your local Territory Manager and they will help get you set up.

VISIT WWW.ATOMJET.COM FOR VIDEOS AND MORE INFORMATION 1-800-573-5048 | AGRICULTURE@ATOMJET.COM Fertilizer scraper for John Deere disc drill

Single Shoot Scraper for John Deere disc drill



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# **KNIVES FOR BOURGAULT PLDS**

Over the last two seasons our R&D team has been working with cooperators using the Bourgault PLDS drill to develop a new line of long-lasting knives for this unit.

Our fertilizer knife for this unit comes with a high-chrome cast point and is capable of putting down any combination of fertilizer types.

For the seed knife, our combination of high-grade carbide and base material choice extends the life of the knife. The large chute ensures this product will not plug even while planting broad seeds.

If you would be interested in testing these products, speak to your local Territory Manager and they will help get you set up.

# **ROW CLOSERS**

Following the launch of our Row Closers for Bourgault Paralink, Atom-Jet has worked to design a set of closers for the CNH Flex Hoe and Morris Contour 1, 2, and Quantum air drills. These discs mount to the shank to catch the soil thrown by the openers and place it back into the furrow ahead of the packer tire. This allows operators to use wider openers at increased operation speeds while still leaving a smooth field finish.

# **SEED PLACEMENT**



12

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14



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 Tube sizes to match all incoming line sizes

TRADEMARKS REGISTERED BY CIH FLEX HOE 800, CNH P2070 FLEX HOE, MORRIS CONTOUR & BOURGAULT MID ROW BANDERS ARE USED WITH PERMISSION. ATOM-JET OPENERS ARE DESIGNED TO FIT OEM DRILLS AS REPLACEMENT THIRD-PARTY PRODUCTS. 15

SEED

PLACEMENT

# **OPENERS FOR C-SHANK**

**C-SHANK** 

Atom-Jet openers are compatible with all varieties of C-Shank drills. With 30 years of developing openers, you can trust Atom-Jet to provide reliable, long-lasting, and rugged openers designed for all conditions. Originally designed for zero/minimum tillage, Atom-Jet C-Shank openers work great in all tillage and seeding practices.

- All wear points are carbide protected providing extended life
- Proven not to plug in the worst conditions opener of choice in the Red River Valley (gumbo)
- Excellent seed placement and fertilizer separation achieved by the same plane design
- Boots are made of a high gauge steel to protect against breaking
- Compatible with all C-shank drills



**Dan Adamson** Danval Stock Farms Ltd., Sedgewick, AB

We tried the competition but found Atom-Jet had superior seed placement and emergence as well as less soil disturbance. Atom-Jet openers pull much easier and this saves us time and money.



Dan is running Atom-Jet Twin Band openers on two 62' John Deere 1830 drills. He puts down 90 lbs. of dry fertilizer, as well as 65 lbs. of NH3 with his seed.

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ATOM-JET OPENERS ARE DESIGNED TO FIT OEM DRILLS AS REPLACEMENT THIRD-PARTY PRODUCTS.

# OPENERS FOR MORRIS CONTOUR & QUANTUM

Atom-Jet openers get your crops off to the best start possible. Whether it's the Contour C1, C2, or the newly launched Quantum, Atom-Jet has the opener to fit your needs. The opener's leading-edge design maintains a true vertical position. Atom-Jet openers work in conjunction with Morris Contour's parallel linkage for ultra-precise seed and fertilizer placement, along with an improved ability to shed trash. This makes Atom-Jet openers a good fit for the Contour or Quantum drills.

- Non-plugging technology
- Simple all-steel construction improves wear and durability
   Excellent wear all high-wear points, wings and chutes are carbide protected
   The sleek design results in less steel running through the field, reducing draft
   Superior performance with a cost-effective opener





Lee Morelli Viscount, SK

I farm at Viscount, SK, about an hour east of Saskatoon. I use a Morris Contour 2 drill with a New Holland seed tank. I first came across Atom-Jet when the openers I originally had on the drill weren't performing in dry years. I wanted to move my drill to a triple shoot and they had an opener I felt would fit my farm and work well, and I've been very pleased with it.

I like the Twin Band because I put all the seed out one side, my granular down the middle, and then I put my anhydrous out the other side. What I like is that I get some seed and fertilizer separation; this has allowed me to adjust my blend to put more nitrogen closer in the granular band because I find the anhydrous band used to be too hot. I find I'm getting a better root base and the plants are using moisture more efficiently.

The Atom-Jet opener has been integral in making my farm more successful because I have been able to change my agronomy and where I place the fertilizer, along with lower soil disturbance. It's been a game changer for me.

20

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ATOM-JET OPENERS ARE DESIGNED TO FIT OEM DRILLS AS REPLACEMENT THIRD-PARTY PRODUCTS.

22

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# MORRIS CONTOUR 1<sup>1</sup>/<sub>2</sub>" SINGLE SHOOT OPENER

With patented carbide insert. Pictured with ¼" SPF tube. CAAS00C

### MORRIS CONTOUR HIGH RATE SIDE BAND

1" Left CAGCX0 Right CAGCY0 34" Left CAGAX0 Right CAGAY0

## MORRIS CONTOUR TWIN BAND

Left CAHTF0 Right CAHTG0

# PATENTED CARBIDE INSERT

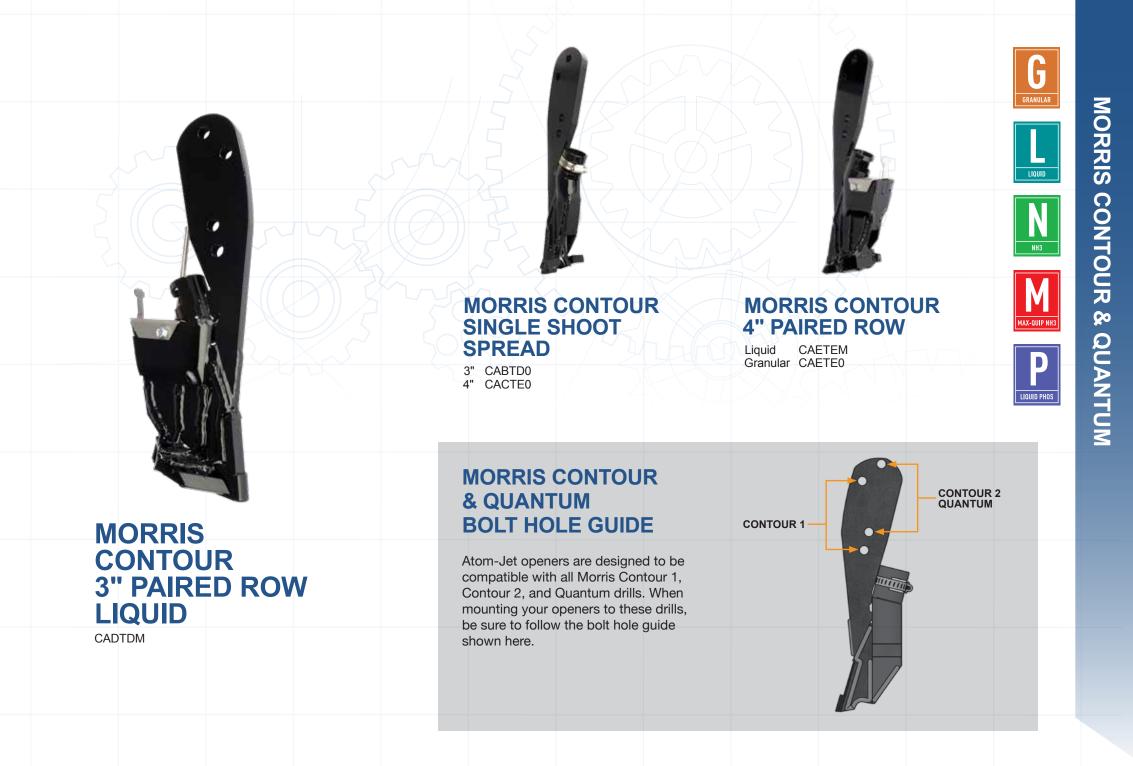
This opener was designed after requests from our customers in dry regions who wanted an ultra-low disturbance opener. The narrow point provides less soil disturbance, which in turn helps to keep the moisture in the furrow. With the narrower point, increased side pressure from the furrow usually wears thinner points out too quickly; therefore, the Atom-Jet R&D team designed a carbide insert to keep the point from washing out on the sides. This innovation was patented (9,066,462 B2) and has proven itself in Montana and Australia where drier conditions exist.



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# OPENERS FOR BOURGAULT PARALINK

Atom-Jet's R&D team have developed our openers to fit the Bourgault Paralink drill's shank specifications. Our openers provide consistent ground penetration and constant seeding depth control over changing field terrain for fast, even germination. Atom-Jet openers work with all Bourgault Paralink drills, whether it's a 3310 PHD or all three configurations of 3320: SE, QDA, and XTC. Atom-Jet's patented Twin Band design for Paralink drills provides an option to Mid Row Banders.

Twin Band benefits versus Mid Row Banders: Initial cost savings

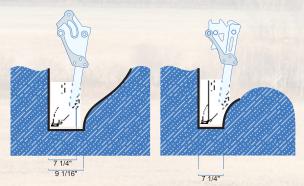
Safe seed & fertilizer separation at higher rates

Ability to apply granular, liquid and NH3 fertilizer

Better trash clearance

Less maintenance

Weight saving on equipment resulting in less wear and tear on equipment Less HP requirements Atom-Jet Openers fit within the design tolerances of Bourgault Paralink drills.



Opener must fit within space allowed by the manufacturer.



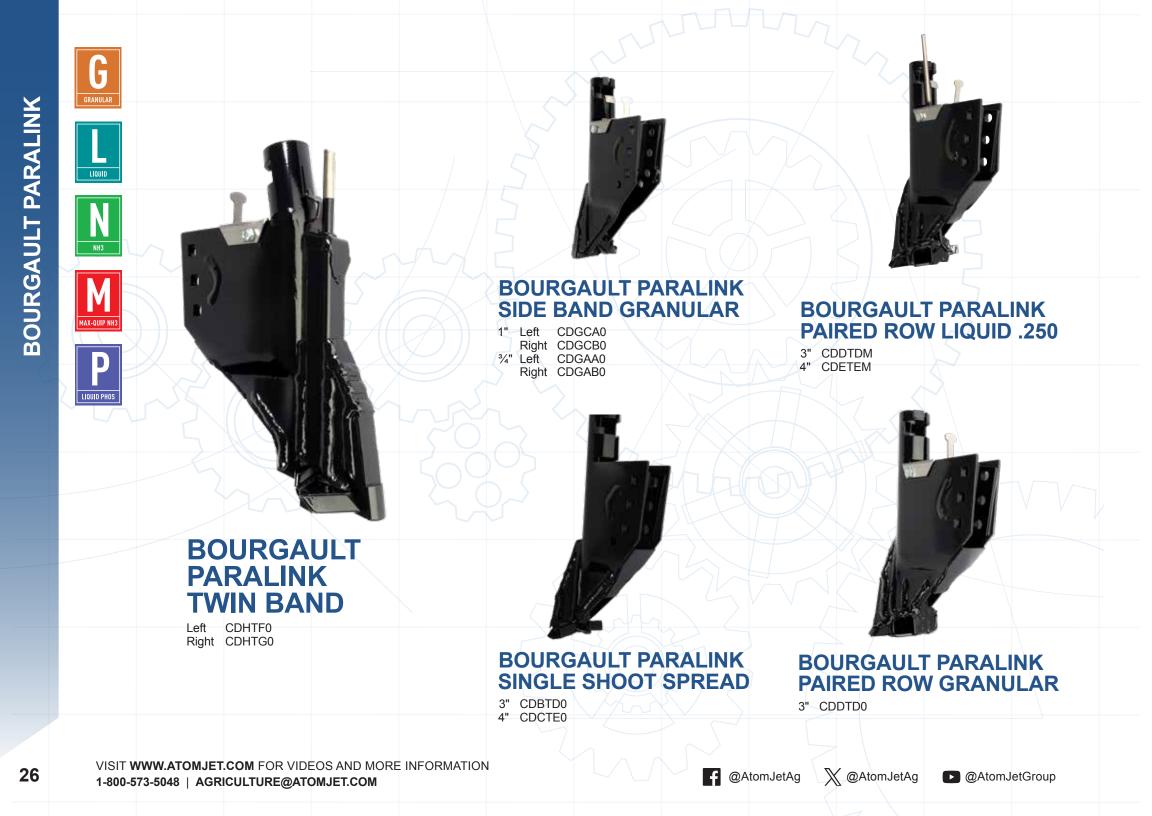
Ernie Warkentin DeBolt, AB

We currently have four drills with Atom-Jet High Rate Side Band openers. We've used their openers in the past and found them to be durable. The same-plane configuration is a benefit, putting the seed and fertilizer at the same level in the ground means that we can put the product in a little shallower and not worry about digging up the real wet soil below. I'd recommend Atom-Jet openers, we like what we've seen.

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24





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LIQUID PHOS

Pictured with add-on vapour line

# BOURGAULT MID ROW BANDER SERIES 3 SCRAPER (REPLACEMENT)

### NH3 Tubes

0.250"LeftDMEL12RightDMER120.375"LeftDMEL13RightDMER130.500"LeftDMEL14RightDMER14

### Max-Quip Tube

0.085" Left DMEL28 Right DMER28



INSTALLATION VIDEO agriculture.atomjet.com/ mrb-scraper-video



### INSTALLATION GUIDE agriculture.atomjet.com/ mrb-scraper-install

### BOURGAULT MID ROW BANDER SERIES 3 SCRAPER MOUNTING ARM

Left DMZDNCL

Right DMZDNCR

# BOURGAULT MID ROW BANDER SERIES 3 SCRAPER (COMPLETE WITH ARM)

### NH3 Tubes

0.250"LeftDMEL12CRightDMER12C0.375"LeftDMEL13CRightDMER13C0.500"LeftDMEL14CRightDMER14C

Max-Quip Tube 0.085" Left DMEL28C Right DMER28C

All scrapers come with a <sup>1</sup>/<sub>4</sub>" NH3 tube and a tube adapter to match incoming lines.

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NH3

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LIQUID PHOS



Pictured with add-on vapour line

### NH3 Tubes

0.250" Left	DMEL12C25	Right	DMER12C25	
0.375" Left	DMEL13C25	Right	DMER13C25	
0.500" Left	DMEL14C25	Right	DMER14C25	
Max-Quin Tubo		Nghi	DIVIEI (14023	

Max-Quip Tube 0.085" Left D

DMEL28C25 Right

DMER28C25

Contact us for replacement scraper part numbers.

# BOURGAULT MID ROW BANDER SERIES 2.5 SCRAPER MOUNTING ARM

Left DMZDNCL25

Right DMZDNCR25

# ~ mmm



As a result of growers approaching Atom-Jet with concerns about NH3 "gassing off" leading to environmental and safety issues, as well as the increased cost from wasted product, Atom-Jet has developed a replacement scraper for the mid row banding discs on Paralink drills. After extensive field testing, we are pleased to launch our new line of mid row banding scrapers.

- New scraper profile results in minimal gassing off
- Use of abrasion resistant materials and strategic carbide placement extends scraper life
- Side wing directs NH3 away from the disc, preventing it from freezing up
- Designed so the scraper can be moved up as the disc wears maintaining consistent depth
- 0.250" NH3 tube (includes fittings to match incoming lines)

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# **MID-ROW BANDER CONNECTIONS**

	Incoming Line Size	0.250" ID	0.375" ID	0.500" ID	0.085" ID	0.250" OD
	Scraper Part Number	DMEL12 DMER12	DMEL13 DMER13	DMEL14 DMER14	DMEL28 DMER28	DMEL11 DMER11
	Tube Adapter Set	1 × #4 Hose Clamp	2 × #4 Hose Clamp 1 × #6 Hose Clamp 1 × ¼"-¾" Barb 2" NH3 Tube Joint	3 × #4 Hose Clamp 1 × #6 Hose Clamp 1 × ¼"-½" Barb 2" NH3 Tube Joint	1 × #4 Hose Clamp	1 × Compression Fitting
			2 t t	\$tt		🗃 s sis e 🔛
	Installation	Push supply line over flare and secure with provided hose clamp.	<ol> <li>Push supplied NH3 tube joint over tube flare and secure with #4 hose clamp.</li> <li>Push ¼" end of the hose barb into the NH3 Tube joint and secure with #4 hose clamp.</li> <li>Push supply line into ¾" end of the hose barb and secure with #6 hose clamp.</li> </ol>	<ol> <li>Push supplied NH3 tube joint over tube flare and secure with #4 hose clamp.</li> <li>Push ¼" end of the hose barb into the NH3 Tube joint and secure with #4 hose clamp.</li> <li>Push supply line into ½" end of the hose barb and secure with #6 hose clamp.</li> </ol>	Push supply line over scraper tube and secure with provided hose clamp.	<ol> <li>Press compression fitting onto scraper stainless tube and tighten.</li> <li>Press supply line into compression fitting and tighten.</li> </ol>
	Cost	Included	Included	Included	Included	Not Included; Call for Price



Will Vanderbyl Melfort, SK

My brother and I have been farming for approximately 40 years. We farm around 7,000 acres in the Melfort area. This area has pretty heavy clay soils that can retain moisture. We typically grow beans, peas, wheat, oats, and corn.

We have a 3320 Bourgault drill and like the operation of the drill but have had trouble with the mid-row banders since we purchased the drill. When it's wet the straw would get in between the disc and scraper and would force the blade off the disc, plugging the unit and forcing us to stop and get it cleaned out. With the Atom-Jet scraper that we have now, it's a way bigger scraper that keeps the straw from getting in there to plug the unit.

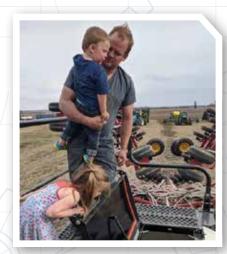
We started using the Atom-Jet mid row banding scrapers about three years ago now, and we've had no issues at all. We've probably put around 20,000 acres on them and can't see any wear at all. The Atom-Jet Mid-row bander scrapers have helped our farm immensely for the simple reason that we don't have any added downtime now. We don't need to stop three or four times between fills to clean out the Bourgault scrapers.

# BOURGAULT PARALINK ROW CLOSERS

RDX000



INSTALLATION GUIDE agriculture.atomjet.com/ bp-row-closers-install



Jonah Genick Gilbert Plains, MB My father, brother, and I run a mixed operation near Gilbert Plains, Manitoba. Three years ago when we purchased an XTC drill, we chose the Atom-Jet 3" Paired Row openers for our operation for a few reasons. First, we wanted some separation between seed and fertilizer as fertilizer rates get higher, and the paired row gives us that separation, as well as better utilization. We liked the one-piece design, thinking it would last in our rocky, abrasive ground—and it has. After three years we have yet to replace one opener. The carbide and hard surfacing have minimized the wear on the openers, and our daily maintenance has dropped

from tightening

bolts every day on our old drill down to absolutely nothing. The vertical design mounted in front of the shank helps offset the short distance between shank and packer and doesn't hook and pull out rocks like we used to with our old openers.

In our first season, we (along with Atom-Jet) noticed that the field finish was rough, and there was quite a bit of soil throw. This limited our speed to avoid stepping and made turning on the headlands quite rough. Atom-Jet designed

Jonah is running Atom-Jet's 3" paired row openers and row closers for Bourgault Paralink

and brought out a small batch of row closers to solve the problem; after two years of testing and adjusting, we bought a full set for the drill. Field finish has drastically improved, and our travel speeds have gone up while improving our seed placement. Without the closers, we wouldn't have been able to sow nearly as much as we were able to during this past wet spring.

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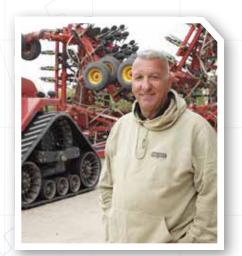
X @AtomJetAg

Bourgault Paralink 2:1 PHD and PLS shanks

### Bourgault Paralink 1:1 XTC and PLX shanks

Shanks modelled for display purposes only

When considering purchasing row closers for your Bourgault Paralink, paying attention to what shank style your drill has is essential. Certain new models of the drill use the PLS shank that requires an additional shim to fit the closers to your drill properly. For all older models of the drill, XTC and PHD, as well as any new models with the PLX shank, our row closers mount without a shim. If you have the new PLS shank model, let our Territory Manager know and they will have the mounting shim added to your order. My dad always said, "If you don't seed properly there's nothing you can do after that's going to make a crop." I farm in the Starbuck area with my brother and my nephew. We farm approximately 9,000 acres. We do corn, soybeans, oats, canola, and other crops as well. I learned about Atom-Jet Row Closers two years ago, Jason McKerchar (Atom-Jet's Territory Rep. for Manitoba and Ontario) asked me if I would



David Masse Starbuck, MB

test them and they did an excellent job. The row closers benefit emergence because everything comes up even; our seed depth is almost perfect now. They just put the soil back ahead of the packer wheel, and do an excellent job. I was down to 4 mph and wasn't happy with the field finish at that speed, and now with the row closers I'm up over 6 mph. I went from 28 acres per hour, up to 45 acres per hour, and I'm doing a better job. The row



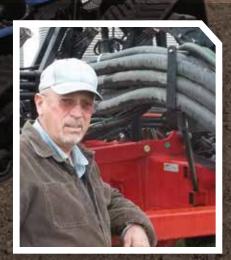
David is running his row closers with single shoot openers on his Bourgault Paralink

closers are a great investment: if you think about a 4,000-acre farm, you're putting around a million dollars into the ground. It's a small price to pay for a better seeding finish. I would recommend these row closers. I would not even own a hoe drill anymore without a set of these on.

# OPENERS FOR CNHFLEXHOE

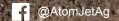
Atom-Jet openers perform well with the patented true parallel link row unit on the New Holland P2070 and CIH 800. The design angle of the opener works in relation to the soil surface providing a consistent seed depth and faster, uniform crop emergence. The narrow profile of Atom-Jet openers results in smoother field finish and superior trash clearance. The carbide protected opener improves the life of the opener in all conditions. The opener is an excellent choice for these CNH drills.

- Same-plane technology improves disturbance with accurate seed placement
- Designed not to plug in different soil conditions
- Opener selection to meet all needs Single & Double shoot / Liquid, Granular & NH3 fertilizers applications
- Improved opener performance with significant cost savings



Wayne Johnson WEJCO Farms Inc., Stanley, ND

Surprisingly I'm very satisfied. I was very skeptical at first, but over the last three years I have raised some of the best crops I've ever had. In canola I can do a true one-pass seeding operation, putting down all my "N" in the form of anhydrous and using the granular tube for my "P" and "Sulfur", with the seed out the third shoot. I've never seen any seed damage, even when using very high rates of "N". These openers saved me an additional pass for broadcasting the granular products, an additional savings of \$20 plus per acre. They stand up very well; in the three seasons I've used them, I've only broken a single opener, and I farm some rocky ground. If someone were to ask me what openers I'd purchase on my next drill, it would be the Atom-Jet Twin Band openers.



32

# **CNH FLEX HOE**

# CNH FLEX HOE HIGH RATE SIDE BAND

1" Left CBGCX0 Right CBGCY0 ¾" Left CBGAX0 Right CBGAY0

# CNH FLEX HOE PAIRED ROW

Liquid 3" CBDTDM 4" CBETEM Granular 3" CBDTD0 4" CBETE0

# CNH FLEX HOE SIDE BAND LIQUID .250

1" Left CBFCA0 Right CBFCB0 3/4" Left CBFAA0 Right CBFAB0



GRANULAR

LIQUID



1" Left CBGCA0 Right CBGCB0 <sup>3</sup>⁄4" Left CBGAA0 Right CBGAB0

AL NOUNTING UDED HARDWARE INCLUDED

# CNH FLEX HOE SINGLE SHOOT

1" CBAC00 <sup>3</sup>⁄<sub>4</sub>" CBAA00 <sup>1</sup>⁄<sub>2</sub>" CBAS00

## CNH FLEX HOE HIGH RATE SIDE BAND LIQUID

½" TubeLeftCBFTF2RightCBFTG2¾" TubeLeftCBFTF3RightCBFTG3

# CNH FLEX HOE TWIN BAND

Left CBHTF0 Right CBHTG0

# OPENERS FOR CONCORD EDGE ON

Atom-Jet Edge On openers that fit your Concord are ideal for every condition of soil, including gumbo. Our non-plugging technology has been a benefit to farmers running this drill. Atom-Jet openers are compatible with row closers with the use of a shank extension and are an excellent fit with the Concord drill.

- Front delivery placing the seed directly behind the point giving accurate seed placement
- Smooth vertical design allowing trash to clear
- Non-plugging in all types of different soils
- Carbide protection on all high wear areas

For Concord air drills that use a C-Shank instead of an Edge-On, use the part numbers found in the C-Shank section.



Bob Wiens Domain, MB

We run a 50-foot Concord with 10-inch spacing in the Red River Valley clay southwest of Winnipeg. When our soil is wet, it is miserable to work with. The main benefit of the Atom-Jet openers is less plugging in the heavy soils. With our previous openers, the soil would stick, and plugging problems were an issue. In comparison to previous openers the Atom-Jet openers were able to run a bit shallower, which made it easier to pull. I would definitely recommend Atom-Jet openers to others because they don't plug on us.

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CONCORD EDGE 0 Z



Left CHHTF0 Right CHHTG0

### CONCORD **EDGE ON** SINGLE SHOOT

0

1" CHAC00 3/4" CHAA00

### CONCORD **EDGE ON SIDE BAND GRANULAR**

1" Left CHGCA0 Right CHGCB0 3/4" Left CHGAA0 Right CHGAB0



5 GRANULAR

LIQUID

CONCORD **EDGE ON** SINGLE SHOOT **SPREAD** 

3" CHBTD0 4" CHCTE0

HARDWARE INCLUDED



Right CHFTG2 3/8" Tube Left CHFTF3

Right CHFTG3

CONCORD **EDGE ON PAIRED ROW** 3" Granular CHDTD0

4"

CHDTDM Liquid Granular CHETE0 Liquid CHETEM

# CONCORD **EDGE ON SIDE BAND LIQUID .250**

1" Left CHFCA0 Right CHFCB0 3/4" Left CHFAA0 Right CHFAB0

# OPENERS FOR MORRIS MAXIM

Atom-Jet openers are the optimal match for Morris Maxims I and II. The land following ability of the Maxim drill with the benefit of a flexible frame provides seeding accuracy and dependability with locked-in depth control. The use of Atom-Jet openers will maximize seed-to-soil contact based on packer width and shank spacing options.

- Front delivery placing the seed directly behind the point giving accurate seed placement
   Smooth vertical design allowing trash to clear
   Reliable, rugged opener with all-steel construction
- Designed to allow for control of different seeding depths

For Morris Maxim drills that use a C-Shank instead of an Edge-On, order using the part numbers found in the C-Shank section.



**Jeff Hoffmann** Annaheim, SK

■ I have been using the Atom-Jet side band openers for the last eight years on my Morris Maxim II air drill. They were extremely easy to install. I farm in heavy black soil and feel the wear on the opener is exceptional. They have performed very well using different rates of seed and dry fertilizer. Plugging has never been an issue with them in any soil conditions that I have used them in. They cut a nice level furrow and I feel my seed and fertilizer placement has been more accurate therefore giving me a nice, even emergence. I will continue to use and recommend them in the future.

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GRANULAR

LIQUID

LIQUID PHOS



3" CDBTD0 4" CDCTE0

AL NOUNTING UDED HARDWARE INCLUDED

**MORRIS MAXIM** 

**SIDE BAND** 

**GRANULAR** 

1" Left CDGCA0 Right CDGCB0 3/4" Left CDGAA0

Right CDGAB0

1" CDAC00 3/4" CDAA00

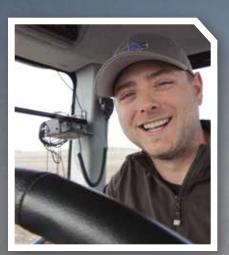
3" CDDTDM Liquid 4" CDETEM Granular 3" CDDTD0 4" CDETE0

# OPENERS FOR CASE IH 700 / NH P2060

Whether it is for your CIH 700 or NH P2060, Atom-Jet has an opener that will fit your drill. The narrow profile of Atom-Jet openers results in smoother field finish, minimal draft, and superior trash clearance. The carbide protected opener improves the life of the opener in all conditions. The openers are compatible with row closers by using a shank extension making them a superior choice for these drills.

- Seed is placed directly behind the point Front Delivery – ensuring accurate seed placement
   The vertical design allows for excellent trash clearance
- Design of the low profile opener results in less steel being pulled in the field, reducing draft
- Same-plane seed placement ensures seed is placed on a firm seed bed, promoting germination

For Case IH 700 or New Holland P2060 air drills that use a C-Shank instead of an Edge-On, use the part numbers found in the C-Shank section.



Andrew Mazer Kemnay, MB

We farm 10,000 acres in Kemnay, Manitoba. We have had Atom-Jet openers for two years. We switched after we had used a lot of different openers. With Atom-Jet being a local company, we know the engineers who make a well thought out, high quality, and durable product. Compared to other openers, Atom-Jet's durability is above standard. With Atom-Jet, we replace less openers per year compared to other brands. The Atom-Jet openers have fantastic seed placement. The trash clearance on these boots is exceptional; we have never experienced any problems with them in that sense. They are a fantastic boot. I would recommend Atom-Jet openers due to their quality of build and their very advanced design.

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38

# CASE I 700 / NH P2060



1" Left CHGCA0 Right CHGCB0 3/4" Left CHGAA0 Right CHGAB0

#### CIH 700/NH P2060 **EDGE ON SINGLE** SHOOT

0

1" CHAC00 3/4" CHAA00

SHOOT SPREAD 3" CHBTD0 4" CHCTE0

CIH 700/NH P2060

**EDGE ON SINGLE** 



5 GRANULAR

LIQUID

**CIH 700/NH P2060 EDGE ON TWIN BAND** 

Left CHHTF0 Right CHHTG0

HARDWARE INCLUDED



#### CIH 700/NH P2060 **HIGH RATE SIDE BAND LIQUID**

1/4" Tube Left CHFTF2 Right CHFTG2

### CIH 700/NH P2060 **EDGE ON SIDE BAND LIQUID .250**

1" Left CHFCA0 Right CHFCB0 3/4" Left CHFAA0 Right CHFAB0

³⁄₄" Tube Granular CHETE0 Left CHFTF3 4" Right CHFTG3 Liquid CHETEM TRADEMARKS REGISTERED BY CIH FLEX HOE 800, CNH P2070 FLEX HOE, MORRIS CONTOUR & BOURGAULT MID ROW BANDERS ARE USED WITH PERMISSION. ATOM-JET OPENERS ARE DESIGNED TO FIT OEM DRILLS AS REPLACEMENT THIRD-PARTY PRODUCTS.

CHDTD0

CHDTDM

**EDGE ON** 

3" Granular

Liquid

PAIRED ROW

# OPENERS FOR VERSATILE

Atom-Jet has been involved in the development of openers for the ML series since the inception of the drill. The design has been improved over the years now using Atom-Jet's vertical point to work in conjunction with the parallel linkage and independent shanks of the drill providing superior seed placement. The opener minimizes trash flow and allows the opener to run quieter in the soil working with the mechanical packing pressure. This combination makes Atom-Jet openers an excellent choice for the ML series.

High wear areas carbide protected for extended life
Openers for all fertilizer and seeding applications
Non-plugging in different soil types
Same plane placement ensures accurate seed placement



Logan Sadowick Colonsay, SK

I farm 2300 acres in Colonsay, SK. I've been using Atom-Jet openers for about nine years now and I just put on my second set last year. I like the even emergence on my field, it's important to get every plant at the same stage early on and Atom-Jet really does that for me. The Atom-Jets are really nice for getting rid of trash, I don't think I've plugged a single one this year. If someone asked me about Atom-Jet openers I would definitely recommend them as they're a great product.

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## VERSATILE SINGLE SHOOT

1" CVAC00 ¾" CVAA00

### VERSATILE SINGLE SHOOT SPREAD

3" CVBTD0 4" CVCTE0

#### VERSATILE HIGH RATE SIDE BAND LIQUID

1/4" TubeLeftCVFTF2RightCVFTG23/6" TubeLeftCVFTF3RightCVFTG3



GRANULAR

LIQUID

VERSATILE PAIRED ROW

3" Granular CVDTD01 Liquid CVDTDM1 4" Granular CVETE01 Liquid CVETEM1

AL NOUNTING UDED HARDWARE INCLUDED



#### VERSATILE SIDE BAND GRANULAR

<sup>3</sup>/<sub>4</sub>" Left CVGAA0 Right CVGAB0



Left CVHTF0 Right CVHTG0

# **REPLACEABLE POINTS**

In the ever-changing landscape of agriculture, farming practices and customer needs are constantly evolving. To meet the demands of customers for a quick-change point on their openers we have begun to release our line of replaceable point openers. These openers still follow Atom-Jet's tried-and-true design philosophy, with our industry-leading vertical point, carbide protection, and same-plane placement while allowing customers to swap out just the point. Our new cast point mounts with a single bolt through the top of the cast cap, allowing for easy installation and removal when it comes time to change points. No worrying about spring pins jamming, or a rusted roll pin through the side of the point; just remove the bolt and the point drops out of the cap.

- Quick-change bolted connection
- Long-lasting cast point material
- Industry-leading carbide protection
- Available for most common air drill shanks

#### 3/4" SINGLE SHOOT REPLACEMENT POINT czaaar

SIDE BAND LIQUID REPLACEMENT POINT

Left CZAFLR Right CZAFRR







# **OPENERS FOR HOE DRILLS**

Our hoe drill openers provide a quality and cost-effective solution for growers who still utilize Hoe Drill seeding units. Carbides added to the point provide superior opener life. Vertical design creates a consistent seedbed allowing for even germination and better emergence. With an optional liquid configuration throughout the product range, you can depend on Atom-Jet.

- Double carbide point
- Excellent seed placement
- Plug free points
- Excellent ground penetration
- Maintainable/repairable
- All configurations available for liquid application



**Steve Ganczar** Valley River, MB

111 I'm a small grain farmer out in Valley River, MB, just northwest of Dauphin. I grow oilseeds, specialty crops, pulses, and cereals every year. I run an early 80s CaseIH 7200 series hoe drill, and just bought my Atom-Jet openers this spring. These openers have performed excellently and have far exceeded my expectations; they never plugged and ran clean even in the wet clay soils. They didn't want to float out of the ground, and in my rocky fields they didn't want to bounce out of the ground after rock strikes.

These openers will make my farm more profitable from a few different angles, the biggest one being even emergence from even seed depth. When we get a better start on these crops, we end with a bigger finish. By going to a side band opener, I'm also eliminating a floater pass, saving me money, also don't have to worry about breaking openers anymore.

recommend Atom-Jet openers to anyone who is looking. Their customer service is excellent; they understood what I was trying to do and gave me the product that fit my agronomic needs.

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ATOM-JET OPENERS ARE DESIGNED TO FIT OEM DRILLS AS REPLACEMENT THIRD-PARTY PRODUCTS.

# PRECISION DISC SCRAPERS FOR CASE IH 500/NH P2080

The CaseIH PD500 and New Holland P2080 Precision Disc drills offer a true parallel linkage for superior seeding depth management. Whether it's the Single or Double Shoot Scrapers, Atom-Jet's new line complements this system by providing a long-lasting, non-plugging scraper. Our Double Shoot Scrapers add the ability to apply a full rate of fertilizer along with the seed in a single pass.

Trash shield is incorporated into the scraper, saving costs
Adjustable position to match disc wear
Strategically placed carbides protect all high wear surfaces
Shorter scraper profile stays tight to the disc preventing plugging



Roger Bendickson Garrison, ND

The first Atom-Jet scrapers we had on a Case SDX drill a number of years ago. This spring we outfitted our four Case PD500 drills with Atom-Jet single shoot scrapers. We're seeding about 2" to 2½" from the surface but yet our seed is only an inch into the ground at the bottom of that furrow. Once you sweep that top inch of dry dirt away it's nice moist ground you're getting into. The scrapers are durable; I would say they'd outlast 3:1 to an OEM scraper. I would recommend Atom-Jet to anybody with the experience I've had. In fact, I would recommend buying nothing but Atom-Jet for this drill.

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X @AtomJetAg

46

CASE IH 500/NH P2080 PRECISION DISC SCRAPERS





INSTALLATION VIDEO youtu.be/ kLKRmfZBGh0 Atom-Jet is pleased to carry highquality, North American made, Ingersoll Discs for Case PD500 and NH P2080 disc drills.

GET THE EDGE

*GERSOLL*®

A GROWING BRAND OF AGRISOLUTIONS

**ZT-DEDISK** 



Dustin Williams Souris, MB

HARDWARE INCLUDED

We farm cereals and oil seeds. The soil type here is a sandy loam soil mainly, with a rolling topography, and fairly dry. This is our second year with the Atom-Jet scrapers. We made the switch to have side-banding capabilities for liquid fertilizer. The scrapers have been excellent. They are great at clearing trash, and we've had no plugging problems so far despite cutting through many different stubble conditions. Some of the benefits of using the Atom-Jet scrapers are the ability to side band our liquid fertilizer, the durability and longevity of the scraper, and supporting a local business.



6

LIQUID

#### DUAL SHOOT GRANULAR SCRAPER Left DEAL00

Left DEAL00 Right DEAR00 youtu.be/

kLKRmfZBGh0

### DUAL SHOOT LIQUID SCRAPER

¼" TubeLeftDEBLA2RightDEBRA2¾" TubeLeftDEBLA3RightDEBRA3

Our dual shoot granular and liquid scrapers have a patented (US Patent #10,368,472) UHMW insert. This insert is used exclusively on our double shoot scrapers which have a wing for creating the second product band. The UHMW helps to mitigate the side loading created by the wing, leading to an extended product life.

- Low friction surface lowers turning resistance causing smoother disc operation
- Insert prevents mud and trash from building up inside the scraper



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#### CNH PRECISION DISC MAIN HINGE PIN

DEPP00 To replace CNH Part: 47359245

#### CNH PRECISION FIRMING WHEEL DEFL00 DEFR00

#### CNH PRECISION DISC PARALLEL LINKAGE PIN

DEPP01 To replace CNH Part: 84605521

### **OFFSET SHANK SHIM**

Left DEZF11L Right DEZF11R

Certain configurations of the CNH Precision Disc drills require a shank offset on a small number of shanks. Contact your local Territory Manager for more information.

After years of experience working with the Case PD500 and New Holland P2080 series disc drills, customers running our single and double shoot scrapers brought to our attention the need for a firming wheel similar to what other disc drills on the market use. To solve this problem, Atom-Jet has developed a firming wheel attachment that bolts directly onto the existing Precision Disc shanks with no modifications.

- UHMW wheel ensures no soil buildup
- Spring pressure gently presses seed into the seedbed
- Fits directly behind the scraper ahead of the packer tire



# SCRAPERS FOR CASE IH SDX SYSTEMS

CASE IH SDX

50

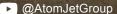
When producers need to reshape their drills into a one pass double-shoot system they came to Atom-Jet to develop a solution. Faced with a challenge, the R&D team, working together with farmers were able to provide a system to allow growers to double shoot with the SDX drill. The scrapers have all the hard-wearing benefits Atom-Jet is known for, with the ability to seed in one pass.



Mike Kula Gettysburg, SD

The Atom-Jet SDX Double Shoot scrapers are a big timesaver! I get all of my fertilizer down in one pass when seeding winter wheat so I don't have to come back and top dress in the spring. The fertilizer is placed below the seed where you get the most out of it and helps produce the greatest yield. The openers work very well in both wet and dry seeding conditions. Atom-Jet visited my farm and helped me make sure the openers were set right and answered all of my questions. I would recommend these openers to anyone. I can't wait to get the new drill I just purchased with Atom-Jet SDX Double Shoot openers in the field.

• @AtomJetAg



GRANULARLeftDAAL00RightDAAR00LIQUIDLeftDABL00RightDABR00

#### SDX PRECISION DISC DOUBLE SHOOT SYSTEM

- Improved Seed Ledge
- Firm Seed Bed

HARDWARE INCLUDED

- Improved Seed Placement
- Improved Germination
- Save Fuel and Time by Making Less Passes
- Granular and Liquid Options
- Carbide Protected Scraper



INSTALLATION VIDEO youtu.be/ WunYTm79ruQ Left DACL00 Right DACR00

#### SDX CARBIDE SCRAPER

- Carbide Protection
- Increased Scraper Life
- Reduced Time Changing Scrapers
- Same Size as OEM Scraper

I had people coming from miles away to see the emergence I got with my Atom-Jet double shoot SDX scraper. This year in adverse conditions I had the best catch I have ever had on my canola. They performed better than we could have ever imagined in heavy trash and the field finish was like nothing I have ever seen. I seeded my peas and lentils and didn't need to roll the field! In all my crops the seed and fertilizer looked hand placed! I got more done and did a better job with my 40' SDX at 6.5 mph than my neighbors did at 4.5 mph with a 60' drill. Putting Atom-Jet's on our SDX was the best decision we have made on our farm in a long time.

Rick Zesko Rycroft, AB

# OPENERS FOR JOHN DEERE 1870 CONSERVAPAK

The John Deere 1870 ConservaPak drill was developed to provide consistent depth control for enhanced seed and fertilizer placement. Individual hydraulic settings were designed to allow independent downforce for a more uniform depth across the width of the frame. Atom-Jet developed the new ½" fertilizer knife based on farmers requesting a longer lasting knife that can run at the required depths.
The ½" narrow banding profile maintains the low disturbance and superior furrow closing expected from a ½" knife
Tungsten carbide protected point made of abrasion resistant steel plate



John Wilson Redvers, SK

I farm about 1,300 acres, and do custom work for up to 5,000 acres. I looked at all the competitors and Atom-Jet was the one that I liked. They made the ConservaPak Fertilizer Knife and I was one of the first ones to get it and I'm 100% delighted with it. It's done everything that I thought it would do, and my customers that I seed for are delighted with how the seed is emerging too. The build quality is really good. They've got a lot of carbide on it and wear very little. They are more open at the back so they don't plug. I would highly recommend Atom-Jet openers to anyone.

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#### CONSERVAPAK 1/2" FERTILIZER KNIFE

Granular CPAW00

#### CONSERVAPAK 1/2" FERTILIZER KNIFE

Granular & NH3¼" TubeCPAW12¾" TubeCPAW13½" TubeCPAW14

CONSERVAPAK 1/2" FERTILIZER KNIFE

Liquid 1⁄4" Tube CPAW32 3⁄8" Tube CPAW33 1⁄2" Tube CPAW34



AL NOUNTING UDED HARDWARE INCLUDED

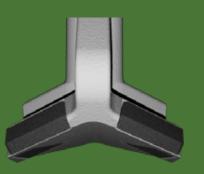
Greg and Tyson Kistner Bethune, SK

My son, Tyson, and I farm about 4,000 acres of oilseeds, cereals, and pulse crops. Seeding season is the most important because by starting the crop off in a good condition it sets us up for a good year. We went with the Atom-Jet paired row seed boot and liquid and granular fertilizer boot on our ConservaPak because we had their products on our previous drills for a number of years and we knew they were a durable product. I have about 5,000 acres on these openers and you can still see the paint on the seed boots.

Atom-Jet openers have made our farm more successful due to the fact that they place the seed exactly where it's supposed to be. The U-shape on the underside of the paired row closes the fertilizer trench so we don't have to worry about the seeds rolling down into it. The openers have left us with nice even emergence across the field. I would definitely recommend Atom-Jet openers. They are a great fit with the ConservaPak drill.



Our Paired Row cup is specially designed with a curved underside to help close the fertilizer trench to prevent nitrogen burn. The added carbide wear tiles on the underside of the cup protect against the additional pressure of forcing the furrow closed. With our standard carbide protection on the leading edge of the wings, and a high chrome cast material, this opener will outlast the OEM.



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## CONSERVAPAK SINGLE SHOOT SEED BOOT

CPAA00



**Shawn Muhr** Odessa, SK

I farm just under 7,000 acres with my son, Jordan, around Odessa, SK. Farming in this area can be challenging as there can be very little moisture at times. The biggest challenge is to get our crops in early so we don't have to worry about frost in the fall.

CARBIDE

your packer tires clean.

Easy installationOEM replacement

CPMS00

**MUD SCRAPER** 

Long lasting carbide protection

In addition to our opener and fertilizer

knife replacements for the ConservaPak air drill, we have developed a carbide

protected mud scraper for add-on to keep

We use an 1870 ConservaPak. We only run one drill and we run it hard to get everything seeded. We started using Atom-Jet openers two years ago with the seed boots and added the fertilizer knives this year. I really like the seed placement out of the seed boot; it pushes the seed into the side of the furrow right into moisture. The fertilizer boots keep the fertilizer away from the seed so we don't run into seed burn.

Atom-Jet openers are very durable. We've had the seed openers on for two years now and don't have any wear on them. The openers make our farm more successful because of the placement of the seed. When we watch our crop come up we are amazed at how accurate the seed placement is; the whole row comes up even on every field no matter what we're seeding.

56

# **APPLICATOR KNIVES**

Our NH3 fertilizer knives solve freezing issues by utilizing a nylon insert to keep the blade insulated from the NH3. This maintains a true  $\frac{3}{4}$ " knife, allowing for excellent sealing, minimal disturbance, and low draft. Inspired design means all NH3 blades can be adjusted up to 1" for wheel tracks.

- Universal fit for most front mount and side mount applications
- Carbide tipped for extended wear
- $= \frac{1}{2}$ " thick high carbon shank
- Fits Salford, John Blue, DMI, Blue Jet, Tormaster, and most others

- Side mount knives available in 13", 15", or 17"
- Available with .250", .375", or .500" tube



Malcolm Murray Neepawa, MB

The Atom-Jet NH3 nonfreeze knives wear extremely well in heavy, stony soils. On my original set of knives I have approximately 15,000 acres with lots of acres left on them. I have never had any problem with freezing with the nonfreeze knife. I like how easy these knives are to change– just take out the bolt and the blade comes out if the bolt is tightened properly.

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KBBN4C

## FRONT MOUNT REGULAR

KBBR4C

1" CCAC00XU1

**SHOOT NH3** 

**C-SHANK SINGLE** 

NH3

# **SIDE MOUNT NON-FREEZE**

# 13" KA3N40 15" KA5N40 17" KA7N40

## **SIDE MOUNT** REGULAR

13" KA3R40 15" KA5R40 17" KA7R40

# **KNOCK-ON NON-FREEZE**

Nichol KBBN40XK2 BOR 200 KBBN40XK3 BOR 400 KBBN40XK4

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### **CARBIDE PROTECTED STRIP TILL KNIVES**

In the changing landscape of soil conservation practices, strip tillage has shown substantial benefits in certain geographical areas and climates. With these benefits in mind, Atom-Jet is working on a line of strip tillage knives for different applications to work with your needs. With the demands on the knife, Atom-Jet is well-suited to develop a long-lasting product to meet the demands of farmers using strip till.





Kevin Shapland (at right) farms 5,500 acres in Ulysses, KS

I started running Atom-Jet Strip Till fertilizer knives three years ago on my 5,500 acre farm in Ulysses, Kansas. I worked with the R&D team to build a knife that allows me to put both NH3 and liquid fertilizer down in a single pass with my CaseIH 5310 strip till unit. The carbide points and wings, along with the hard surface welding gives me great confidence that they will run without issues. I have had no problems with plugging or freezing up the fertilizer runs, and they allowed me to hit my target rates without concern. They also developed shields to bolt on the side of the shank to protect where the hoses slide on to the tubes so they wouldn't push back off.

I highly recommend this company as they are great people to work with!

60

# **POTATO HILLER TINES**

Atom-Jet's Carbide hiller tines were built to enhance the performance of your Power Hilling Machinery, no matter what model you use.

If you're looking to reduce not only your maintenance costs, but replacement as well, Atom-Jet has you covered. Our use of high-strength, abrasionresistant steel and carbide protection ensure uniform hills & tiller tines that last up to eight times longer than others on the market.



Tyler Knutzen Burlington, WA

Knutzen Farms have been using Atom-Jet tines on our hillers and tillers for two years and we are very impressed. They have outlasted the OEMs and we will still get two more years out of the Atom-Jets.

Knutzen Farms plants 1,000 acres of potatoes near Burlington, Washington.

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# HYDRAULICS CLOSED-CENTER SYSTEM

# FOR HIGH-DEMAND APPLICATIONS

Our Closed-Center, Load-Sensing systems match the capacity delivered by the pump to the load requirements. This allows for an increased range of flow without the headaches of over-heating issues. Providing an additional 40 gpm at 3,000 psi when operating at 2,100 engine rpm, we ensure you won't be left short when you need power.

- Compatible with:
- Air Cart Fans
- Grain Carts
   In-Cab Flow Control
- SprayersActive Shank Drills



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62





Atom-Jet Hydraulic Kits are manufactured by the experts at our Glendale Industries facility, 1520 Charles Street, Brandon, MB.

## TRACTOR MODELS AVAILABLE

Versatile	750, 800, 825, 835, 850, 855, 875, 895, 945, 95	5, 975
Ford/Versatile Designation 6	936, 946, 956, 976 (with 855 Cummins Engine o	only)
Case STX (2001-11 models)	375, 380, 425, 430, 450, 480, 500, 530	NEW PRODUCT LAUNCH
Case Steiger	380, 385, 430, 435, 480, 485, 530, 535	NEW PRODUCT
<b>New Holland</b> (2001-11 models)	TJ 375, TJ 380, TJ 425, TJ 430, TJ 450, TJ 480 TJ 500, TJ 530, T9030, T9040, T9050, T9060	NEW PRODUCT LAUNCH
	Ford/Versatile Designation 6 Case STX (2001-11 models) Case Steiger New Holland	Ford/Versatile       936, 946, 956, 976 (with 855 Cummins Engine of Designation 6         Case STX (2001-11 models)       375, 380, 425, 430, 450, 480, 500, 530         Case Steiger       380, 385, 430, 435, 480, 485, 530, 535         New Holland       TJ 375, TJ 380, TJ 425, TJ 430, TJ 450, TJ 480,

Radiator Mounted or Electric Fan Blown

# **OPTIONAL UPGRADES**

Quick Couplers 3/4" standard; 1/2" optio
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Heat	
Exchanger	

nger

Hydraulic Kits are available only for listed models.

# SYSTEM SPECIFICATIONS

Type         Closed-Center, Load-Sensing			
Hydraulic Flow	40 gallons per minute at 2,100 engine rpm		
Maximum Pressure	3,000 Pound Per Square Inch		
Control Valving	Proportional Spool		
Control Valving Control Type	Proportional Spool 12 VDC Proportional Joystick		

# HYDRAULICS OPEN-CENTER SYSTEM

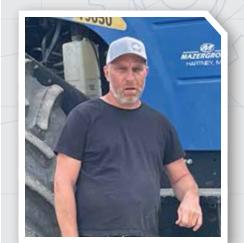
# FOR BASIC APPLICATIONS

Our Open-Center hydraulic system provides an economical solution for custom designed single-motor applications that only require one set of quick couplers.

This system is complete with in-cab joystick control and can be specifically matched to your application with flow ranges of 23 and 26 gpm at 3,000 psi when working at 2,100 engine rpm.

Whether it's driving an air fan or controlling a water pump, our Open-Center applications can be designed to address a variety of needs.





Michael Knight Knightime Farms, Decker, MB

I installed an auxiliary hydraulic pump on my T9050 New Holland tractor. It was very easy to install. The instructions for installation were easy to follow and had lots of pictures to help in identifying where things were supposed to go.

The hydraulic pump gave me the extra hydraulic capacity to run my drill. The monitor was easy to use and had a very good display of all the functions.

In my opinion, this system is a very simple way to increase the hydraulic capacity of your tractor.

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Atom-Jet Hydraulic Kits are manufactured by the experts at our Glendale Industries facility, 1520 Charles Street, Brandon, MB.

### TRACTOR MODELS AVAILABLE

	Versatile	750, 800, 825, 835, 850, 855, 875, 895, 945, 955, 975 Models 750-850 Series 2 1976 and newer. Series 3 1982-84.			
	Ford/Versatile Designation 6	936, 946, 956, 976 (with 855 Cummins Engine Only)			
	Case IH Steiger 9100, 9200 & 9300 Series	<b>Transmission Mount Pump:</b> with Power-Shift Transmission, without PTO or 3-Point Hitch			
	3500 Series	Engine Mount Pump: 855 & N14 Engines			

## **OPTIONAL UPGRADES**

Quick Couplers	<sup>3</sup> ⁄ <sub>4</sub> " standard; <sup>1</sup> ⁄ <sub>2</sub> " optional
Heat Exchanger	Radiator Mounted or Electric Fan Blown
Tractors With Dozer Blades	Versatile Kits Can Be Supplied Without Reservoir If Tractors Are Equipped With A Dozer Blade

Hydraulic Kits are available only for listed models.

## SYSTEM SPECIFICATIONS

Туре	Open-Center			
Hydraulic Flow	23 & 26 Gallons Per Minute Configurations 3,000 Pounds Per Square Inch			
Maximum Pressure				
Control Valving	Proportional Spool			
Control Type	12 VDC Proportional Joystick			
Hydraulic Reservoir	Versatile Tractors: Add-On 30-Gallon Capacity All Others: Existing Reservoir			

# **PARTS & ACCESSORIES**

66



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Deflector for John Deere hoe drill opener EZDBD0	Bourgault Paralink shim CZNA00	C-Shank granular chute Left CZFCLF Right CZFCRF	Morris Maxim / Bourgault Paralink granular chute Left CZFBLF Right CZFBRF	Contour / CNH hoe granular chute Left CZFALF Right CZFARF	C-Shank twin band chute Left CZFFLF Right CZFFRF	Morris Maxim / Bourgault Paralin twin band chute Left CZFELF Right CZFERF
Paired row splitter – piece that separates seed and fertilizer CZLFB0 CZLCB0	C-Shank top CZTA00	Edge on top CZTB00	<sup>1</sup> / <sub>8</sub> " & <sup>1</sup> / <sub>4</sub> " Max quip tube Twin Band Side Band CZG0M12 CZG0N12	<sup>1</sup> /4" side band liquid tube for C-Shank / Edge On CZGFC2	<sup>1</sup> /4" Side band liquid tube for contour hoe Left CZGEC2L Right CZGEC2R	<sup>1</sup> /4" paired row liqu tube CZGFF2
		8	2 2			
<sup>1</sup> /4" paired row liquid tube for Morris Contour and CNH openers CZGEF2	<sup>3</sup> / <sub>8</sub> " SPF tube for C-Shank openers CZGFA3	Tube separator CZLFA0	Contour hoe tube separator CZLEAF	Focus strip CZLFF0	Piece of steel welded on to front of opener to protect liquid line from trash CZD0EF	Hose Size Reduct CZM0R0

#### Atom-Jet Industries 2-Year Limited Warranty – Ag Products Atom-Jet Industries 1-Year Limited Warranty – Hydraulic Systems

Atom-Jet Industries (2002) Ltd. warrants each new product to be free from defects in material and workmanship. This warranty is applicable only for the normal service life expectancy of the product or components, not to exceed 24 consecutive months (12 consecutive months for hydraulic systems) from the date of delivery of product to the original purchaser. Proof of purchase is required. Warranty is limited to the replacement of the failed product.

Under no circumstances will the warranty cover any products or components thereof, which, in the opinion of the company, has been subject to misuse, unauthorized modification, alteration, and accident or if repairs have been made with parts other than those obtainable through Atom-Jet Industries (2002) Ltd.

Our obligation under this warranty shall be limited to repairing or replacing, free of charge to the original purchaser, any part that, in our judgment, shall show evidence of such defect, provided further that such part, if so requested shall be returned within forty-five (45) days from date of failure to Atom-Jet Industries (2002) Ltd. routed though the dealer and/or distributor from whom the purchase was made, transportation charges prepaid.

This warranty shall not interpret to render Atom-Jet Industries (2002) Ltd. or dealer liable for injury or damages of any kind or nature to person or property. This warranty does not extend to the loss of crops, loss due to delay in harvest, or any expense or loss incurred for labor, substitute machinery, rental or other reason.

Except as set forth above, Atom-Jet Industries (2002) Ltd. shall have no obligation or liability of any kind on account of any of its equipment and shall not be liable for special or consequential damages. Atom-Jet Industries (2002) Ltd. makes no other warranty, expressed or implied, and, specifically, Atom-Jet Industries (2002) Ltd. disclaims any implied warranty.

This warranty is subject to any existing conditions of supply which may directly affect our ability to obtain materials or manufacture replacement parts.

Atom-Jet Industries reserves the right to make improvements in design or changes in specifications at any time, without incurring any obligation to owners of units previously sold.

No one is authorized to alter, modify or enlarge this warranty nor the exclusion, limitations and reservations of the warranty stated above.

Disclaimer: Atom-Jet Industries reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions and illustrative material herein are as accurate as known at the time of publication but are subject to change without notice.

With double shoot openers, the placement of the seed and fertilizer is very important. The amount of fertilizer that can be applied with any double shoot opener depends to a great extent on the degree of separation between the fertilizer and the seed, but also depends on a number of other variables such as the amount of moisture in the soil, the amount of organic matter in the soil, the soil type and the type of crop being seeded. It is our policy that we do not recommend or endorse specific "safe" rates of fertilizer for our double shoot openers. We suggest that producers consult with their local agronomist for their expertise on specific fertilizer rates for their application.

#### Stay in touch with Atom-Jet Group by scanning the QR code to join our email list to receive special offers and news. Or visit agriculture.atomjet.com/email-sign-up



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