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.
We farm cereals and oil seeds. The soil type here is a sandy loam soil mainly, rolling topography, and fairly dry. This is our second year with the Atom-Jet openers. We made the switch to have side banding capabilities for liquid fertilizer. The openers have been excellent. The openers are great at clearing trash. We have had no plugging problems this year so far, and we’ve cut through many different stubble conditions. Seeding is important to do right the first pass. You only get one shot at it and it lays the groundwork for a successful harvest. The field needs to emerge evenly and the field finish needs to be smooth enough for harvest to take place. Some of the benefits of using Atom-Jet openers are the ability to side band our liquid fertilizer, the durability and longevity of the opener, and supporting a local business. I would say to someone thinking about using Atom-Jet openers that they are making a good decision.

Dustin Williams
Souris, MB
SEED PLACEMENT
Great seed to soil contact leads to quicker germination for a superior plant stand – it’s what all growers want. 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.

SEED/FERTILIZER SEPARATION
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. Why do we believe in this? 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 curling back into the opener, also known as “orange peeling.” 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 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. Straw is not permitted to travel up the boot or catch on the shank. Trash flows around the base of the boot and is safely deposited out of the way.

SOIL PENETRATION
When you want to put a nail into a piece of wood, you don’t do anything fancy, you simply drive it in. And certainly, you don’t drive it head first. Unfortunately with horizontal openers this is exactly what you are doing – attempting to puncture hard pan with the widest part of the tool. Vertical design simply uses the weight of your drill to penetrate the ground at the smallest point on your opener – the tip. It’s not rocket science, just the basics.

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.

RE-BUILDABLE
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. If you can weld, all hard surfacing can be renewed to its original condition or send the opener to us and we will recondition it for you.

CARBIDES
At Atom-Jet, trailblazers are who we are. 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.
½" OPENER

This opener was designed after requests from our customers in dry areas who wanted a low disturbance opener. The narrower point provides less stepping while still being able to seed at normal speeds. The Atom-Jet R&D team designed a carbide insert to provide longer wear life on a narrow profile opener. This innovation was patented (9,066,462 B2) and has proven itself in Montana, U.S. and Australia where dry conditions exist.

HIGH CHROME HS

Improvements in steel metallurgy have allowed the Atom-Jet R&D team to provide increased wear resistance on the side of the boot of the opener. This overlay is now standard on all Atom-Jet products improving our already strong reputation for a hard wearing product. During testing we saw a significant increase in wearability. Why worry about breaking tips, tips wearing out, and the labor involved changing tips out if Atom-Jet can provide an opener that lasts.
SINGLE & DOUBLE SHOOT SPF

Working cooperatively with farmers and fertilizer companies, Atom-Jet developed a product to place SPF on the seed bed where the seed chute directs seed precisely on the SPF. The vertical design and narrow profile of the opener ensures accurate seed placement. With the double shoot opener, the granular or liquid fertilizer is placed on a side band providing separation from the seed. A trash shield was developed to protect the hoses as some farmers complained of this issue with competitors’ products.

Different tube sizes are available, making this opener compatible with all fertilizer systems including Alpine and Kugler.

Atom-Jet’s R&D department was started by developing and building products based on farmers’ needs. Using this model we have been developing innovative products resulting in the release of eight patents over the years. Working with original equipment manufacturers gives us the knowledge to develop openers that optimize drill performance. Atom-Jet is still committed to working directly with growers and encourages their involvement in designing solutions to the seeding challenges faced today.

Don Arksey
Senior R&D Coordinator, Atom-Jet Agriculture
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<td><strong>A replacement part for non-freeze NH3 knives with 2 x 1/2” tubes for vapor</strong> KZMB4V</td>
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<tr>
<td><strong>The NH3 blade holder. Holder bolts onto shank, blade slides into holder.</strong> KZMBH0</td>
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<tr>
<td><strong>The bracket that holds the hose as it comes off the non-freeze blade</strong> KZMBH0</td>
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<td><strong>The piece of steel that welds onto NH3 knife which the UHMW fits into</strong> KZMUCF</td>
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<td><strong>GR8 1/2 x 2” carriage bolt, lock nut, washer</strong> CZM0AA</td>
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<td><strong>GR8 3/8” x 2-1/4” carriage bolt, lock nut</strong> CZM0AB</td>
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<td><strong>C-Shank bolt holder for John Deere</strong> CZMFBH</td>
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<tr>
<td><strong>Hose reducer. Tube spacer for 1-1/4” - 1” hose</strong> CZD0TF</td>
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<td><strong>Insulated NH3 insert</strong> CZMFN4</td>
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### Parts & Accessories

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<tr>
<td>Contour / CNH precision hoe granular chute</td>
<td>CZFFRF</td>
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<tr>
<td>C-Shank twin band chute</td>
<td>CZFFRF</td>
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<tr>
<td>Morris Maxim / Bourgault Paralink twin band chute</td>
<td>CZFFRF</td>
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<tr>
<td>Paired row splitter. Piece that separates seed and fertilizer</td>
<td>CZTA00</td>
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<tr>
<td>C-Shank top</td>
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<tr>
<td>Edge on top</td>
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<td>1/8” &amp; 1/4” Max quip tube</td>
<td>CZG00M12</td>
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<tr>
<td>1/4” side band liquid tube for C-Shank / edge on</td>
<td>CZG012</td>
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<tr>
<td>1/4” Side band liquid tube for contour/precision hoe</td>
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<td>1/4” paired row liquid tube</td>
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<td>1/4” paired row liquid tube for Morris Contour and CNH openers</td>
<td>CZGFA3</td>
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<td>Tube separator</td>
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<td>Contour / precision hoe tube separator</td>
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<td>Focus strip</td>
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<tr>
<td>Piece of steel welded on to front of opener to protect liquid line from trash</td>
<td>OP-LIQTUBESUPPORT</td>
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<td>High chrome tip that is welded on to the end of harrow tine to extend the life of harrows</td>
<td>MHBR00</td>
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### Images

- C-Shank granular chute
- Morris Maxim / Bourgault Paralink granular chute
- Contour / CNH precision hoe granular chute
- C-Shank twin band chute
- Morris Maxim / Bourgault Paralink twin band chute
- Paired row splitter. Piece that separates seed and fertilizer
- C-Shank top
- Edge on top
- 1/8” & 1/4” Max quip tube
- 1/4” side band liquid tube for C-Shank / edge on
- 1/4” Side band liquid tube for contour/precision hoe
- 1/4” paired row liquid tube
- 1/4” paired row liquid tube for Morris Contour and CNH openers
- 3/8” SPF tube for C-Shank openers
- Tube separator
- Contour / precision hoe tube separator
- Focus strip
- Piece of steel welded on to front of opener to protect liquid line from trash
- High chrome tip that is welded on to the end of harrow tine to extend the life of harrows
Atom-Jet openers are compatible with all varieties of C-Shank drills. With 30 years of developing openers you can trust, Atom-Jet provides 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

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 Adamson
Danval Stock Farms Ltd.
Sedgewick, AB

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.
C-SHANK 3"
PAIRED ROW
GRANULAR
CCDTD0

C-SHANK SIDE BAND .500 NH3
1" Left CCJCH0
Right CCJCJ0
¾" Left CCJAH0
Right CCJAJ0

C-SHANK PAIRED ROW
LIQUID .250
3" CCDTDM
4" CCETEM

C-SHANK SINGLE
SHOOT SPREAD
3" CCBTD0
4" CCCTE0

C-SHANK SINGLE
SHOOT
1" CCAC00
¾" CCAA00

NEW 2017 PRODUCT DEVELOPMENT
All openers are protected by our new HCrHS overlay for increased durability and prolonged opener life.

TRADEMARKS REGISTERED BY CIH PRECISION HOE 800, CNH P2070 PRECISION HOE, MORRIS CONTOUR & BOURGAULT MID ROW BANDERS ARE USED WITH PERMISSION.
C-SHANK SINGLE
SHOOT SPF .375
1” CCAC0D
¾” CCAA0D

C-SHANK SIDE
BAND LIQUID .250
1” Left CCFC0 A
Right CCFCB0
¾” Left CCFA0 A
Right CCFAB0

C-SHANK TWIN BAND
Left CCHTF0
Right CCHTG0

C-SHANK TWIN BAND
MAXQUIP
Left CCHTFL
Right CCHTGL

C-SHANK SIDE
BAND LIQUID .375
1” Left CCFC0 A
Right CCFCB0
¾” Left CCFA0 A
Right CCFAB0

VISIT WWW.ATOMJET.COM FOR VIDEOS AND MORE INFORMATION | PHONE: (800) 573-5048 | EMAIL: INFO@ATOMJET.COM
C-SHANK

4" PAIRED ROW
GRANULAR
CCETE0

C-SHANK
TWIN BAND .250
Left CCHTFR
Right CCHTGR

C-SHANK SIDE
BAND GRANULAR
SPF .375
1" Left CCGCAD
Right CCGCBD
¾" Left CCGAH0
Right CCGAJ0

C-SHANK SIDE
BAND LIQUID .250
SPF .375
1" Left CCFCAD
Right CCFCBD
¾" Left CCFAAD
Right CCFABD
Atom-Jet openers perform well with the patented true parallel link row unit on the 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

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.

Wayne Johnson
WEJCO Farms Inc., Stanley, ND
NEW 2017 PRODUCT DEVELOPMENT
All openers are protected by our new HCrHS overlay for increased durability and prolonged opener life.

CNH PRECISION HOE PAIRED ROW GRANULAR
3" CBDTD0
4" CBETE0

CNH PRECISION HOE PAIRED ROW LIQUID .250
3" CBDTDM
4" CBETEM

CNH PRECISION HOE SIDE BAND LIQUID .250
1" Left CBFCA0
Right CBFCB0
¾" Left CBFAA0
Right CBFAB0

15
Atom-Jet’s R&D team have developed our openers to fit the Bourgault Paralink drill’s shank specifications, providing consistent ground penetration and constant seeding depth control over changing field terrain, resulting in quick, 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

“"Our Atom-Jet Side Band openers work really good on our Bourgault 3320. Ground penetration is not a problem as they penetrate without the need of any extra pressure. They also leave the field very smooth. I had no plugging issues and was not in the best seeding conditions. Atom-Jet’s service is excellent. If everyone provided this type of service, farming would be a cinch.”

Lawrence Crywell
Manor, SK
NEW 2017 PRODUCT DEVELOPMENT
All openers are protected by our new HCrHS overlay for increased durability and prolonged opener life.

BOURGAULT PARALINK TWIN BAND
Left CDHTF0
Right CDHTG0

BOURGAULT PARALINK SIDE BAND GRANULAR SPF .375
1" Left CDGCAD
Right CDGCBD
¾" Left CDGAHD
Right CDGAGD

BOURGAULT PARALINK SINGLE SHOOT
1" CDAC00
¾" CDAA00

BOURGAULT PARALINK PAIRED ROW LIQUID .250
3" CDĐTDM
4" CDETEM

BOURGAULT PARALINK SIDE BAND .500 NH3
1" Left CDJCH0
Right CDJCJ0
¾" Left CDJAH0
Right CDJAJ0

BOURGAULT PARALINK SIDE BAND LIQUID .250
1" Left CDFCA0
Right CDFCB0
¾" Left CDFAA0
Right CDFAB0
Atom-Jet Edge On openers that fit your CNH 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

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.

Bob Wiens
Domain, MB
CNH CONCORD EDGE ON TWIN BAND
Left  CHHTF0
Right  CHHTG0

CNH CONCORD EDGE ON SINGLE SHOOT
1"  CHAC00
¾"  CHAA00

CNH CONCORD EDGE ON SIDE BAND GRANULAR
1"  Left  CHGCA0
Right  CHGCB0
¾"  Left  CHGAH0
Right  CHGAJ0

NEW 2017 PRODUCT DEVELOPMENT
All openers are protected by our new HCrHS overlay for increased durability and prolonged opener life.

CNH CONCORD EDGE ON PAIRED ROW GRANULAR
3"  CHBTD0
4"  CHCTE0

CNH CONCORD EDGE ON PAIRED ROW LIQUID .250
3"  CHDTDM
4"  CHETEM

CNH CONCORD EDGE ON SIDE BAND LIQUID .250
1"  Left  CHFCA0
Right  CHFCB0
¾"  Left  CHFAA0
Right  CHFAB0

TRADEMARKS REGISTERED BY CIH PRECISION HOE 800, CNH P2070 PRECISION HOE, MORRIS CONTOUR & BOURGAULT MID ROW BANDERS ARE USED WITH PERMISSION.
The Atom-Jet openers for Morris Contour get your crops off to the best start possible. Whether it’s the Contour I or Contour II, our newly refined MC Series is your total solution. One opener developed for both drills eliminates the need for different sets. The MC Series 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 the improved ability to shed trash. This makes the MC series a good fit for the Contour drill.

- 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

We have Atom-Jet Twin Band openers on our Morris Contour 1. Our soil type is loam to sandy loam. We typically put 100 lbs of NH3 down when seeding canola and have not seen any germination problems. Durability has been excellent as we have approximately 15,000 acres on these openers with minimal resurfacing. Due to the vertical design they pull easier, saving on fuel, and they do not pull as many rocks as our previous openers. I would certainly recommend these openers to anyone wanting a durable, easy pulling opener with good seed and fertilizer placement.

Byron Redlick
Biggar, SK
MORRIS CONTOUR SINGLE SHOOT
1" CAAC00
¾" CAAA00

MORRIS CONTOUR TWIN BAND
Left CAHTF0
Right CAHTG0

MORRIS CONTOUR PAIRED ROW LIQUID .250
3" CADTDM
4" CAETEM

MORRIS CONTOUR SIDE BAND GRANULAR
1" Left CAGCA0
    Right CAGCB0
¾" Left CAGAH0
    Right CAGAJ0

NEW 2017 PRODUCT DEVELOPMENT
All openers are protected by our new HCrHS overlay for increased durability and prolonged opener life.

TRADEMARKS REGISTERED BY CIH PRECISION HOE 800, CNH P2070 PRECISION HOE, MORRIS CONTOUR & BOURGAULT MID ROW BANDERS ARE USED WITH PERMISSION.
Whether it be for your CIH 700 or CNH 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

We farm 6,000 acres of Newdale clay with 3 Concord drills at Reston, MB where in the last five years it has been wetter than you would believe. We chose Atom-Jet openers because there is less soil disturbance. Some of the other brands left a rough finish, making it hard on the combine and swather. Our current openers have been on since 2011. Trash clearance on the openers is very good. We have gone through some very thick cattails where only a few wrapped around the shank, but no openers plugged. The vertical design helps with trash clearance as there is nothing for the trash to hang up on. I would recommend Atom-Jet openers as they are easier to pull, with good trash clearance and leave the field with a smooth finish.

Evan Elliot
Reston, MB
CIH 700/NH 2060
EDGE ON SIDE
BAND GRANULAR
1" Left CHGCA0
Right CHGCB0
¾" Left CHGAH0
Right CHGAJ0

CIH 700/NH 2060
EDGE ON SINGLE
SHOOT
1" CHAC00
¾" CHAA00

CIH 700/NH 2060
EDGE ON SINGLE
SHOOT SPREAD
3" CHBTD0
4" CHCTE0

CIH 700/NH 2060
EDGE ON PAIRED
ROW GRANULAR
3" CHDTD0
4" CHETE0

CIH 700/NH 2060
EDGE ON PAIRED
ROW LIQUID .250
3" CHDTD0
4" CHETE0

CIH 700/NH 2060
EDGE ON SIDE
BAND LIQUID .250
1" Left CHFCA0
Right CHFCB0
¾" Left CHFAA0
Right CHFAB0

NEW 2017 PRODUCT DEVELOPMENT
All openers are protected by our new HCrHS overlay for increased durability and prolonged opener life.

TRADEMARKS REGISTERED BY CIH PRECISION HOE 800, CNH P2070 PRECISION HOE, MORRIS CONTOUR & BOURGAULT MID ROW BANDERS ARE USED WITH PERMISSION.
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

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.

Jeff Hoffmann
Annaheim, SK
MORRIS MAXIM TWIN BAND
Left CDHTF0
Right CDHTG0

MORRIS MAXIM PAIRED ROW LIQUID .250
3" CDĐTDM
4" CDETEN

MORRIS MAXIM SIDE BAND LIQUID .250
1" Left CDFCA0
Right CDFCB0
¾" Left CDFAA0
Right CDFAB0

MORRIS MAXIM SIDE BAND GRANULAR SPF .375
1" Left CDGCAD
Right CDGCBD
¾" Left CDGAHD
Right CDGAJD

MORRIS MAXIM SINGLE SHOOT SPREAD
3" CDBTD0
4" CDCTE0

MORRIS MAXIM SINGLE SHOOT
1" CDAC00
¾" CDAA00

MORRIS MAXIM PAIRED ROW GRANULAR
3" CDĐTDM
4" CDETEN

NEW 2017 PRODUCT DEVELOPMENT
All openers are protected by our new HCrHS overlay for increased durability and prolonged opener life.
Our HD Series openers provide a quality and cost-effective solution for growers who still utilize Hoe Drill seeding units. Double Carbides added to the point maintain a consistent seedbed allowing for even germination and better emergence. With an optional liquid configuration throughout the product range, you can depend on the HD Series.

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

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. We replace less openers per year compared to other brands. In the big picture, it’s peanuts. 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.

Andrew Mazer
Kemnay, MB
<table>
<thead>
<tr>
<th>Product</th>
<th>Model</th>
<th>Left</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASE IH 7200/8500 LIQUID</td>
<td>ECAB00</td>
<td>ECFJA0</td>
<td>ECFJB0</td>
</tr>
<tr>
<td>JOHN DEERE 9300/9400 LIQUID</td>
<td>EJFJA0</td>
<td>EJFJB0</td>
<td></td>
</tr>
<tr>
<td>CASE IH 7200/8500</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MORRIS MH 310/3100</td>
<td>ELAA00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JOHN DEERE M11 SEED RITE</td>
<td>EMAB00</td>
<td></td>
<td>EMAC00</td>
</tr>
<tr>
<td>JOHN DEERE 9300/9400</td>
<td>EJAJ00</td>
<td></td>
<td>EJAK00</td>
</tr>
</tbody>
</table>

NEW 2017 PRODUCT DEVELOPMENT
All openers are protected by our new HCrHS overlay for increased durability and prolonged opener life.

TRADEMARKS REGISTERED BY CIH PRECISION HOE 800, CNH P2070 PRECISION HOE, MORRIS CONTOUR & BOURGAULT MID ROW BANDERS ARE USED WITH PERMISSION.
SEED PLACEMENT

TWIN BAND

- Superior separation between NH3 and seed
- Triple shoot capacity
- Allows for higher application rates of NH3

SIDE BAND GRANULAR

- Seed chute is carbide protected
- Separation between the seed and fertilizer
- Seed is placed accurately behind the point

SINGLE SHOOT SPREAD

- Creates a firm seedbed
- Provides greater seedbed utilization
- Benefits wider row spacing
SEED PLACEMENT

SIDE BAND LIQUID

- Liquid tube protected in behind the wing
- Fertilizer is allowed to stream out providing better separation
- Accurate seed placement

PAIRED ROW GRANULAR

- Firm seedbed produces superior seed-to-soil contact
- Even germination
- Consistent placement of fertilizer separating it from the seed
- Fertilizer is allowed to stream out providing better separation
- Accurate seed placement

PAIRED ROW POINTS

- Firm seedbed produces superior seed-to-soil contact
- Even germination
- Consistent placement of fertilizer separating it from the seed
- Less soil disturbance
- Reduced draft

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 trench
- Increased soil throw

* Measurements may vary with soil conditions and ground speed.
Creating simple yet effective solutions to common problems is where we excel. Our NH3 series of applicator knives solves freezing issues by utilizing a nylon insert to keep the blade insulated from the NH3. This maintains a true ¾" knife, allowing for excellent sealing, minimal disturbance, and low draft. Inspired design means all NH3 series blades can be adjusted up to 1" for wheel tracks.

- Universal fit for most front mount and side mount applications
- Available with non-freeze technology
- Carbide tipped for extended wear
- 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 .125", .375", or .500" tube

The Atom Jet NH3 non-freeze 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 non-freeze 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.

Malcolm Murray
Neepawa, MB
NH3 FERTILIZER KNIVES

FRONT MOUNT REGULAR
KBBR4C

KNOCK-ON NON-FREEZE
Nichol BOR 200 BOR 400
KBBN40XK2 KBBN40XK3 KBBN40XK4

INSULATED NH3 INSERT FOR SINGLE SHOOT OPENERS
CZMFN4
Insert can be used on all Atom-Jet single shoot openers to provide a fertilizer option without the need for a second piece of equipment. Simply place the insert in the seeding tube and attach the NH3 lines.

NEW 2017 PRODUCT DEVELOPMENT
All openers are protected by our new HCrHS overlay for increased durability and prolonged opener life.

FRONT MOUNT NON-FREEZE
KBBN4C

SIDE MOUNT NON-FREEZE
13" KA3N40
15" KA5N40
17" KA7N40

SIDE MOUNT REGULAR
13" KA3R40
15" KA5R40
17" KA7R40
When producers needed to reshape their drills into a one-pass double-shoot system, they chose Atom-Jet to make their dreams a reality. Faced with the unique challenges provided by single disk drills, Atom-Jet once again developed a technology through hard work and perseverance. Another example of how Atom-Jet is committed to helping growers become more profitable.

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.

Mike Kula
Gettysburg, SD
SDX PRECISION DISK DOUBLE SHOOT SYSTEM

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

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
Atom-Jet’s Carbide PHT Series 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’s use of high-strength, abrasion-resistant steel and carbide protection ensure uniform hills & lasts up to 8 times longer than others on the market.

The longevity of the carbide protected power hiller tine is great. The carbide increases the life of the tine maintaining a constant depth on the hard-packed wheel tracks.

The carbide tine gives you the benefit of not having to change them as often, keeping the cost of labour down.

We like the fact that Atom-Jet has been in regular contact with us to see how the tines are wearing and if there are other opportunities in the potato industry they can help us with.

“Paul Vanaert
Portage la Prairie, MB”
NEW 2017 PRODUCT DEVELOPMENT
All openers are protected by our new HCrHS overlay for increased durability and prolonged opener life.
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 overheating issues. Providing an additional 40 gpm at 3,000 psi, we ensure you won’t be left short when you need power.

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

VISIT WWW.ATOMJET.COM FOR VIDEOS AND MORE INFORMATION | PHONE: (800) 573-5048 | EMAIL: INFO@ATOMJET.COM
TRACTOR MODELS AVAILABLE

<table>
<thead>
<tr>
<th>Versatile</th>
<th>750, 800, 825, 835, 850, 855, 875, 895, 900, 935, 945, 950, 955, 975, 1150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ford/Versatile Designation 6</td>
<td>936, 946, 956, 976 (with 855 Cummins Engine only)</td>
</tr>
</tbody>
</table>

SYSTEM SPECIFICATIONS

<table>
<thead>
<tr>
<th>Type</th>
<th>Closed-Center, Load-Sensing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydraulic Flow</td>
<td>40 Gallon Per Minute</td>
</tr>
<tr>
<td>Maximum Pressure</td>
<td>3,000 Pound Per Square Inch</td>
</tr>
<tr>
<td>Control Valving</td>
<td>Proportional Spool</td>
</tr>
<tr>
<td>Control Type</td>
<td>12 VDC Proportional Joystick</td>
</tr>
<tr>
<td>Hydraulic Reservoir</td>
<td>Versatile Tractors: Add-On 30 Gallon Capacity</td>
</tr>
<tr>
<td></td>
<td>All Others: Existing Reservoir</td>
</tr>
</tbody>
</table>

OPTIONAL UPGRADES

<table>
<thead>
<tr>
<th>Quick Couplers</th>
<th>¾&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat Exchanger</td>
<td>Radiator Mounted or Electric Fan Blown</td>
</tr>
</tbody>
</table>
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 18, 23 and 26 gpm at 3,000 psi. 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.
OPTIONAL UPGRADES

Quick Couplers ¾”
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

TRACTOR MODELS AVAILABLE

Versatile 750, 800, 825, 835, 850, 855, 875, 895, 900, 935,
945, 950, 955, 975, 1150
Ford/Versatile Designation 6 936, 946, 956, 976 (with 855 Cummins Engine Only)
Massey 4000 Series 4800, 4840, 4880 & 4900 (without PTO or 3-Point Hitch)
*This kit components only. No hoses.
Case IH Steiger 9100, 9200 & 9300 Series Transmission Mount Pump: with Power-Shift
Transmission, without PTO or 3-Point Hitch
Engine Mount Pump: 855 & N14 Engines

SYSTEM SPECIFICATIONS

Type Open-Center
Hydraulic Flow 18, 23 & 26 Gallon Per Minute Configurations
Maximum Pressure 3,000 Pound Per Square Inch
Control Valving Proportional Spool
Control Type 12 VDC Proportional Joystick
Hydraulic Reservoir Versatile Tractors: Add-On 30-Gallon Capacity
All Others: Existing Reservoir
Atom-Jet Industries 2-Year limited Warranty - Ag Products

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 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 through 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.