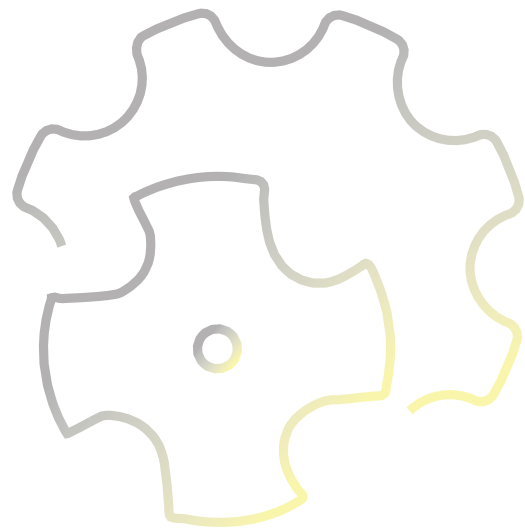
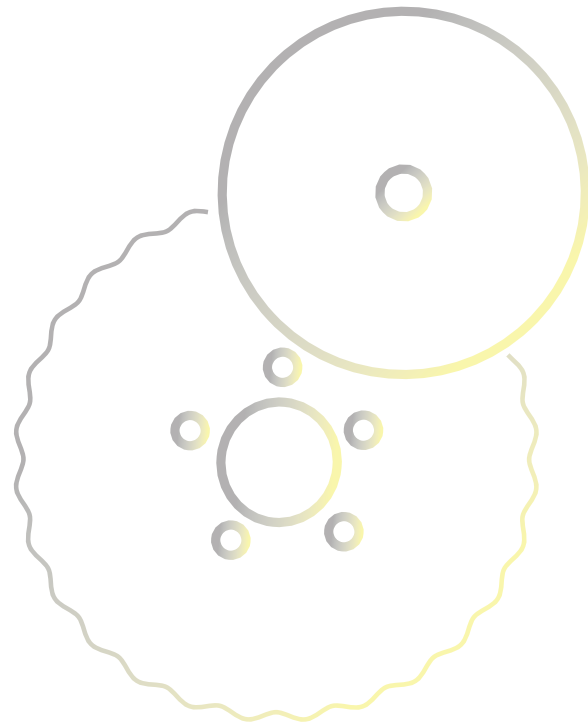


Trust Nurtured By
Technology



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Directors' Message

The agricultural industry is going through a shift towards solution-based products. Factors such as durability and extended life have become the norm. With our strong lineage in manufacturing tillage disc blades, we are focused on delivering great products to agricultural equipment companies and to our distributors to help them reach a larger population. We are committed to developing more soil-engaging components that are innovative and address the farmers' needs first.

- Rahul Rajpal, Director

An early morning view on the way to Agri Till's factory shows farmers and growers working in the farmlands with tractors and agricultural equipment while doing their rounds around the fields. Activities such as land preparation, planting and harvesting are a treat to see. I have always enjoyed these sights and have grown up with them.

Agricultural practices are evolving at greater speeds around the world and I like to imagine Agri Till as a company that thinks and acts in the best interest of the progressive end-user, i.e. the farmer. With a deep lineage in manufacturing tillage solutions, we continue to lead from the front & develop profitable solutions for the farmers.

- Rohit Rajpal, Director

Vision

To manufacture industry-leading agricultural disc blades & other ground-engaging components for tillage & planting equipment as per the evolving needs and expectations of varied segments of equipment manufacturers & farmers, the focus being on long wear & endurance.

Mission

To provide exceptional ground-engaging tillage and planting solutions that achieve practical, reliable and cost-effective results by utilizing inputs from the farmers, equipment manufacturers, and distributors.

Values



Teamwork
We not me,
so we can be our best



Integrity
Mean what you say and
say what you mean



Innovation
To know more
and grow more



Respect
Be open and honest



Safety
A safe you is a safe me



Passion
Do what you love.
Love what you do.



Cultivating The Future

Agriculture is a responsible space to be in.

For generations, the sweat and toil of farmers have helped feed the world. Come rain or shine, they remain rooted to nurturing and providing for us even in the toughest conditions.

This hard work and dedication deserve an optimum result. That's why we feel proud to deliver groundbreaking tillage and planting disc solutions to farmers across the globe. By tailoring technology to meet evolving needs, our goal is to manufacture superior tools designed to help progressive farmers increase their yields, harvests, and profits.

After all, nothing gives us more satisfaction than helping farmers have a productive day in the field.

The Agri Till Story

Over four and a half decades ago, an Indian pioneer, Mr. Harbans Lal Rajpal decided to meet the growing need for effective tillage blades in the Indian market. He set up a factory to meet three key demands of Indian farmers: high-quality, affordability and efficiency. Mr. Rajpal’s innovative step played a vital role in providing a practical answer to Indian tillage needs. This is where the seeds of Agri Till were sown.

A solutions-driven approach has been the secret of our success since our inception. As a preferred supplier in the domestic market and an exporter of premium soil-engaging components across five continents, we continue to empower and assist farmers worldwide with a promise to provide **reliable and profitable tillage and planting solutions**.



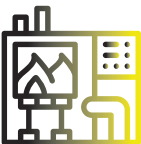
45 years of experience in the disc blade industry



20 years of exporting soil-engaging components globally



Clients that include some of India’s most trusted tractor companies



State-of-the-art heat treatment and manufacturing facilities



A diverse and experienced team

Discs With A Difference

High-Grade Boron Steel Disc Blades

Conventional Tillage

After farmers finish with harvesting their last season crop, the next thing they need is a high-quality seedbed. Progressive farmers are going beyond just the practice of loosening soil. They see tillage being done with precision at high speeds and with larger tilling machines.

That’s why we offer disc solutions that meet these needs. With concave smooth & notch blades, we offer the perfect solutions for a range of tilling conditions.

- **Application:**
Conventional tillage
- **Disc Type:**
Concave smooth & notch blades
- **What Do The Blades Deliver?**
 - Make a great seedbed
 - Last long and work optimally at speeds of 8-14 miles/hour
 - Take care of soil health



Vertical Tillage

Vertical tillage follows the principles of Conservation Agriculture (CA) that creates lesser soil disturbance, sizes residue and mixes it with the top soil.

- **Application:**
Vertical tillage (VT)
- **Disc Type:**
Shallow concave smooth & notch blades
- **What Do The Blades Deliver?**
 - Make a great seedbed
 - Better residue management
 - Maintain soil health and prevent erosion by wind and water



Coulters With A Difference

High-Grade Boron Steel Coulter Blades

Coulter blades have a wide variety of applications in different equipment and varying soil conditions. Our blades are suitable to cover grounds at faster rates of planting, tilling and fertilizer applications. Coulter blades are available across different diameters, thicknesses, and patterns.

- **Application:**
Light tilling, sizing and incorporation of residue
- **Designed For:**
Planting success. Placed in-line with planter or drill unit
- **Application:**
Fertilizer injection
- **Designed For:**
No-till, minimum-till and conventional planting conditions



- **Application:**
 - Accurate seed planting through double disc openers
 - Penetrating hard and dry soil in no-till conditions
- **Designed For:**
Conventional seedbeds to no-till conditions
- **What Do The Blades Deliver?**
 - Long-wear and durable double disc opener precisely opens the trench and helps position seeds at the required depth
 - High degree of flatness gets the job done

Discs With A Difference

High Carbon, High Manganese Steel Disc Blades

Economy Tillage And Lighter Applications

Depending upon the need of the farmers and tillage equipment manufacturers, economical disc models are also available for light as well as heavier implements. The choice of smooth and notch disc blades provides for the nature of aggression needed.



- **Designed For:**
Lighter applications and economy tillage
- **Disc Type:**
Concave smooth and notch
- **Hardness:**
38-42 HRC
- **Application:**
Tractor implements, home owner landscaping, nurseries, gardens, small hobby farms, wild game food plots, small acre farms, sod farms etc.



*Maximum available disc diameter in economy segment is 26 inches

Product Catalogue - Concave

Smooth Disc

D: 12" - 32"

T: 3mm - 10mm



Notch Disc

D: 12" - 32"

T: 3mm - 10mm



Conical Disc

D: 20" - 26"

T: 5mm - 8mm



Flat Center Disc

D: 18" - 24"

T: 4mm - 7mm



Dome Disc

D: 20.3" - 24.4"

T: 4mm - 6mm



D: Diameter | T: Thickness

Product Catalogue - Concave

Max Cut Disc

D: 22" - 26"

T: 4mm - 8mm



Raised Flat Back Disc

D: 20" - 28"

T: 4mm - 8mm



Fluted Disc (No. of flutes: 32)

D: 22" - 28"

T: 5mm - 8mm



Spiral Disc

D: 22.5"

T: 4mm - 6mm



To Fit Lemken

D: 24"

T: 6mm



D: Diameter | T: Thickness

Product Catalogue - Coulters

Smooth Coulter

D: 14" - 24"

T: 4mm - 6mm

Fluted Coulter (No of flutes: 25 , 50 , 60)

D: 16" - 24.5"

T: 4mm - 6mm

Wavy Coulter (No. of waves: 8 , 13 , 18)

D: 16" - 22"

T: 4mm - 6mm



Bevels

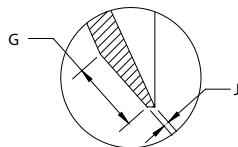
The edge of the disc has to be sharp enough to cut the residue after the harvest. Making the edge too sharp can break it whereas making it too blunt will prevent the disc from penetrating the soil or cutting the residue.

D: Diameter | T: Thickness

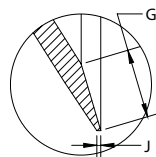
Product Catalogue - Bevels & Holes

Bevels

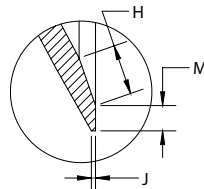
Outer Single



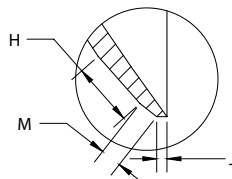
Inner Single



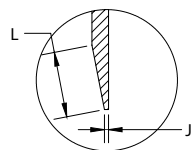
Inner Double



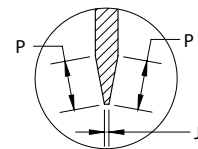
Outer Double



Single Side
(For coulters)

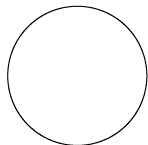


Both Side
(For coulters)

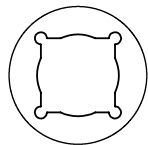


Center Holes

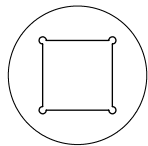
Round



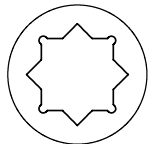
Round Square
Clover Leaf



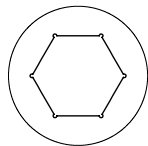
Square
Clover Leaf



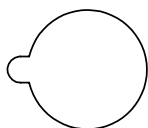
Dual Square
Clover Leaf



Hexagonal
Clover Leaf



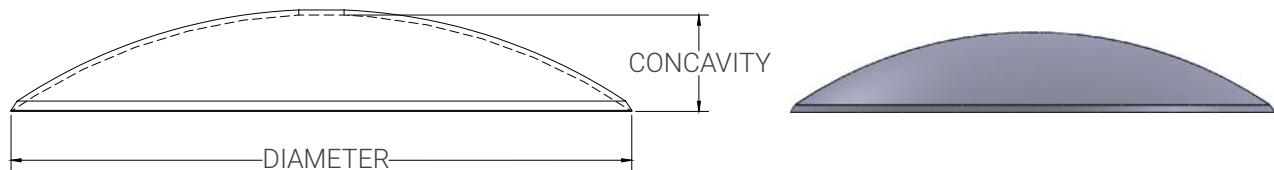
Round Key Hole



Disc Blades - G: Single edge length | M + H: Double edge lengths | J: Land thickness
Coulter Blades - L: Single side edge length | P: Both sides edge length | J: Land thickness

Product Catalogue - Concavity Chart

Plain & Notch Concave Disc Blades



Die	101	102	103	104	105	106
Outer Diameter						
14"	C: 27	C: 30	C: 26	C: 29	C: 24	C: 31
16"	C: 35	C: 38	C: 33	C: 38	C: 31	C: 40
18"	C: 45	C: 49	C: 42	C: 49	C: 40	C: 51
20"	C: 56	C: 59	C: 52	C: 61	C: 49	C: 64
22"	C: 68	C: 72	C: 64	C: 75	C: 59	C: 79
24"	C: 83	C: 87	C: 77	C: 91	C: 71	C: 95
26"	C: 98	C: 104	C: 92	C: 109	C: 85	C: 114
28"	C: 115	C: 123	C: 108	C: 129	C: 99	C: 135
30"	C: 136	C: 144	C: 126	C: 153	C: 116	C: 160
32"	C: 159	C: 168	C: 146	C: 179	C: 134	C: 188

C: Concavity in mm

Connections That Count

Our business takes us around the globe and we have built solid connections worldwide. We are part of an exclusive global community that empowers us with fresh perspectives. Our associations have been instrumental in exploring and pinpointing solutions that meet the needs of the hour. We are also humbled by the recognition of our consistent efforts to deliver nothing but the best. It encourages us to be innovative and push the envelope of modern agriculture.

Memberships



Awards

It is an honour to have received the **Star Performer National Award** for export excellence in 2016-17 by **EEPC India**.

We are also happy to have received the **Star Performer Regional Award (Silver Shield)** for export excellence in 2015-16 by **EEPC India**.

A Core of Steel



Well begun is half done.

Today's progressive farmers demand the best out of their tillage and planting equipment. Soil-engaging components like disc blades & seeder blades face high wear while running in different soil conditions. Tractors pull equipment at speeds of 8-14 miles per hour and the last thing the farmers need is downtime.

The right boron steel is a definitive solution to enhancing wear properties and abrasion resistance in disc blades. Not just any boron steel would do. The steel that is processed with the tightest control systems and virgin route is the one that makes it to the finish line. The as-delivered condition of uniform microstructure & hardness adds to delivering excellent results post heat treatment. Our steel selection parameters are brilliant factors to delivering long-wearing ability and reduced cost per acre.

Tech In Every Step

Bringing The Heat



Uniform disc blade heating is a critical first step in the heat treatment cycle. Blades with different diameters and thicknesses need different heating and soaking cycles. Minor changes in heating condition can vastly affect the hardness and microstructure of the disc blade.

Our state-of-the-art **4-zone electric furnace** maintains just the right temperature for each disc blade, ensuring conditions for prefect heat treatment.

The right temperature conditions during quenching restrict the possibility of disc cracking or bending which ensures that the blades can be used in different soil conditions and at high speeds.

After all, consistency makes all the difference.

Tech In Every Step

Shaping Excellence

Efficient, quick and powerful, the **high-speed hydraulic press** forms the disc blade blanks into the desired profile. Using accurately made dies, the blanks are given consistent concavity and the right shape.

Taken To The Next Level

A high-performing coultter and optimal flatness have always gone hand-in-hand.

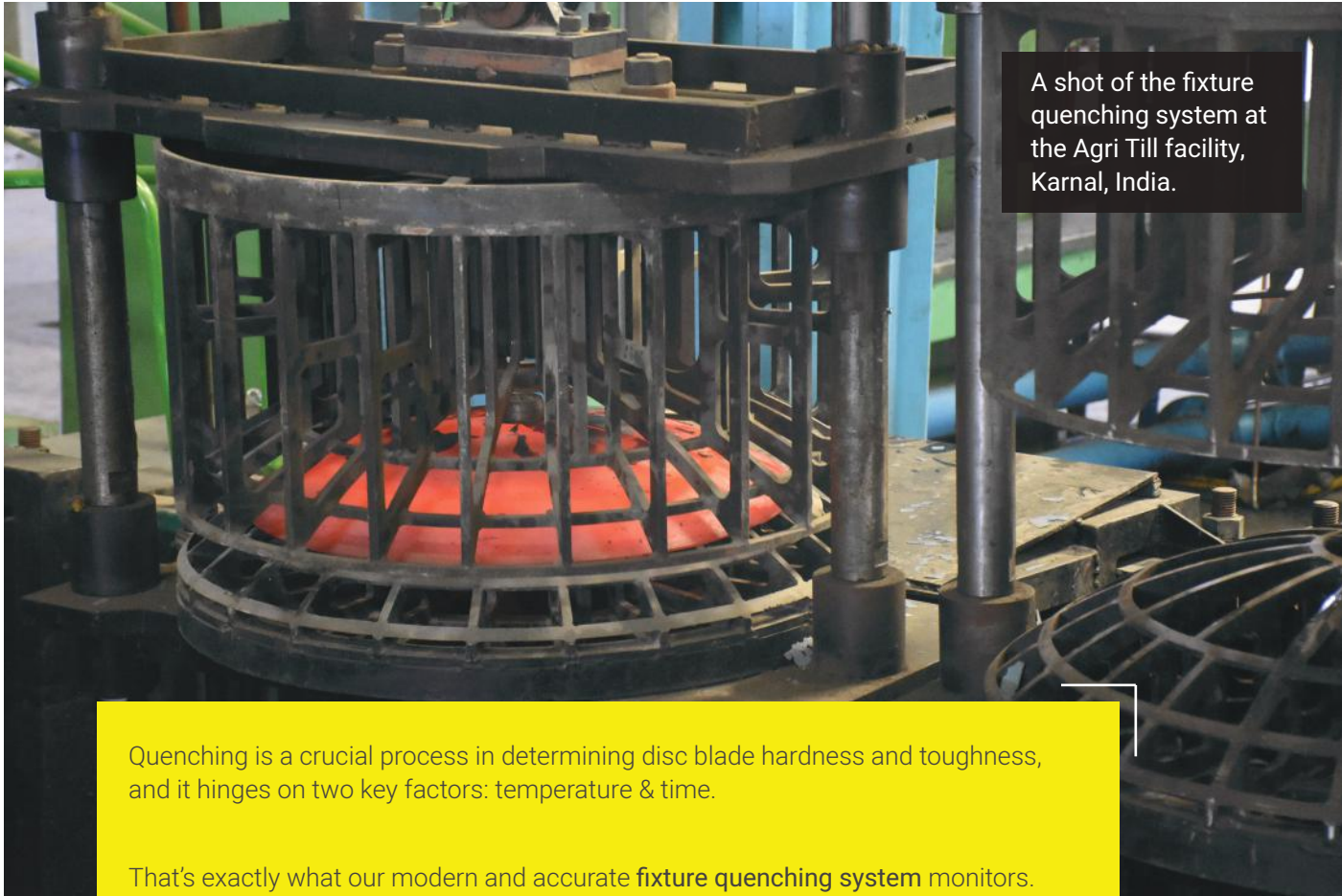
To achieve a high degree of flatness and form varying intricate profiles, our coultter blades are **press-quenched**.

Using precisely made dies and modern control systems, the coultter blade dimensions and tolerances are accurately controlled.



Tech In Every Step

Perfectly Timed Moves



Quenching is a crucial process in determining disc blade hardness and toughness, and it hinges on two key factors: temperature & time.

That's exactly what our modern and accurate **fixture quenching system** monitors.

Equipped with precise temperature sensors, the system is automated to quench the disc blades at a specified temperature range only.

This eliminates the risk of human error, and helps impart uniform and ideal mechanical properties to all our disc blades.

“

Meticulous quality checks are in place to ensure zero defects, the right hardness and toughness. Every day is a step further in our unceasing drive to perfection.

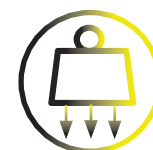
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Tested For Quality

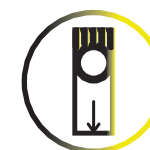
The key to greater output lies in consistent quality. With disc harrows & planters covering more acres per hour, the advantages of tested products are becoming more evident every day.

Our test engineers often submit disc blades to farmers to put them to test their wear, durability and cutting ability in different soil conditions. This feedback is an integral part of our manufacturing cycle. It helps us to create practical cutting solutions that satisfies our customers' needs.

Right after the steel is procured from the mill, chemical composition, microstructure and a battery of other tests are conducted on every batch before processing. Before dispatch, the disc blades are put to the following tests as per the pre-defined quality system.



Impact Test



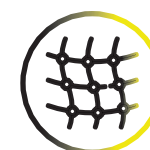
Ball Test



Flexibility Test



Eccentricity & Wobble Test



Microstructure &
Hardness Test



Flatness Test
(For Coulters)

Product Highlights - Boron Steel Disc Blades



Balance

Fine balance of
hardness and flexibility



Warranty

Lifetime warranty from
manufacturing defects



Hardness

48-52 HRC

A shot of a ball test result at the Agri Till testing facility, Karnal, India.

Rooted In Our Culture

“

Work is challenging but extremely satisfying. It's been a phenomenally great journey upward at Agri Till.

- Ankit Kamboj (Quality Control Team)



A shot of the automatic temperature-controlled powder coat line at the Agri Till facility, Karnal, India.

At Agri Till, we believe in carefully nurturing the talent of our people through an open and empowering culture. The outlook of the team is rooted in a solution-driven approach. The workplaces are designed to facilitate efficient and safe working for our people. We take pride in our experienced team and invest in skill training and personal growth programs.

A solution-driven approach encourages us to go places. We like to take up challenges and always look forward to working with the farmers and equipment manufacturers to find more efficient solutions.

By challenging the status-quo and using a result-oriented methodology, a lot of why-why analysis is done at all levels to make people think of how we do something and how we can make it better. We also value specialization of skills that translates into consistent results to our diverse client base.

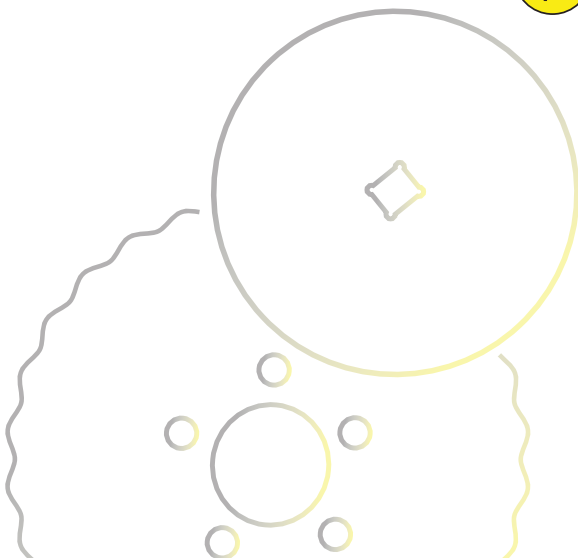
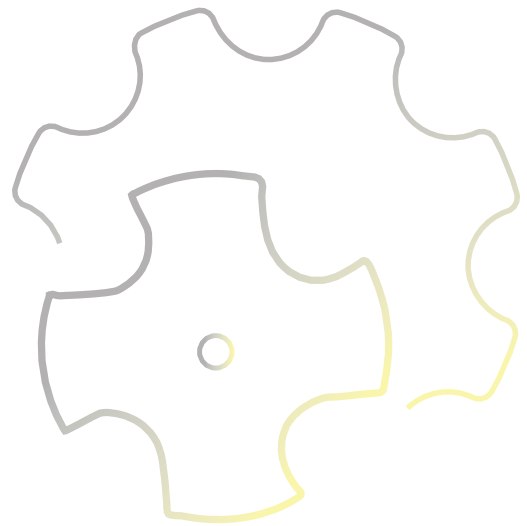
We believe it is our responsibility to lead from the front and connect with progressive farmers & agricultural companies of the world. It's through such programs that we do our part to create a promising ecosystem.

Cutting Across Boundaries

One of the most trusted soil-engaging component exporters to over 20 countries.

- Australia
- Brazil
- Canada
- Chile
- France
- Germany
- Ghana
- Honduras
- India
- Iran
- Kenya
- Mexico
- Myanmar
- Poland
- Philippines
- South Africa
- Spain
- Sudan
- Thailand
- Vietnam
- UK
- USA





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