ZÜRN HARVESTING

EQUIPMENT FOR PLANT BREEDING AND RESEARCH

FIELD RESEARCH TECHNOLOGY

FIELD RESEARCH
technology by ZÜRN

AGRICULTURE

Everything we do is about farming and farm machinery. Why is that?

Perhaps because many of us were born into it. And yet – tradition, obligation and hard work alone won't explain why we stay in farming – or why we give all our passion and energy to keep pushing forward.

The reasons are many and diverse, just like farming itself. We feel close to nature, we enjoy growing and producing healthy food. We value the chance to see the results of our work, to change what we can and to accept what we cannot. We also enjoy working with those remarkable people and characters who make farming such a unique world.

Unlike other industries, which often need PR agents to invent a purpose for their business activities, farming already has one.

We are grateful for the privilege of advancing agricultural practice through engineered solutions.

Rolf Zürn, Managing Director and owner

#PASSIONFORFARMING

THE ZÜRN GROUP

Today, the Zürn Group employs 450 people globally.

The company stands on three pillars: our Ag dealership ZÜRN LANDTECHNIK GmbH serves local customers; while the two manufacturing companies, ZÜRN HARVESTING GmbH & Co. KG and GARFORD FARM MACHINERY Ltd., operate on international markets.

The Group is headed by fourth-generation Managing Director Rolf Zürn.

SCAN THE QR CODE AND FIND OUT MORE ABOUT THE ZÜRN GROUP.

Zürn Landtechnik GmbH
AG DEALERSHIP

Zürn Harvesting GmbH & Co. KG
CUTTING PLATFORMS

Zürn Harvesting GmbH & Co. KG
ECONVENTIONAL FARMING

Zürn Harvesting GmbH & Co. KG
FIELD RESEARCH TECHNOLOGY

Garford Farm Machinery Ltd
PRECISION GUIDED HOES

PLANT BREEDING

Agriculture has made enormous progress over the past few decades. Although farmland and labor have declined, crop yields have risen substantially.

This success comes from a more targeted application of nutrients, a modern approach to crop protection and especially from breeding more productive, site-specific varieties. Scientific field trialing has played a pivotal role in this breeding work.

#FIELDRESEARCH

FIELD RESEARCH TECHNOLOGY

ZÜRN HARVESTING supports field research technicians around the world by supplying the equipment and services they need.

Our story began in 2004, when staff members of former manufacturer Hege encouraged Zürn to develop a powerful plot combine.

Today, we offer the full range of experimental equipment and services. Every single day, we strive to improve our products and tailor them to your specific needs.

SCAN THE QR CODE AND FIND OUT MORE ABOUT ZÜRN

FROM SEEDERS TO HARVESTERS
OUR PRODUCT PORTFOLIO

PLOT COMBINES

ZÜRN 110 Plot combine

ZÜRN 130 Plot combine

ZÜRN 150 Plot combine

ZÜRN 160 Plot combine

ZÜRN 130-ST Stationary thresher

TOOL CARRIER

ZÜRN 540 High-clearance tool carrier

ZÜRN 550 High-clearance multifunction tool carrier

PLOT HARVESTERS

ZÜRN 650 Tractor-mounted forage harvester

ZÜRN 700 Weighing-sampling unit

SCAN THE QR CODE AND FIND OUT MORE ABOUT ZÜRN PRODUCTS

PLOT SEEDERS

ZÜRN D62 Plot seeder with belt cone

ZÜRN D82 Plot seeder with belt cone

ZÜRN D92 Single-row seeder with magazine table

ZÜRN D62 Plot seeder with mounting frame

ZÜRN D82-AXL No-till plot seeder

PLOT SPREADERS AND HOES

ZÜRN D50 Plot spreader with seed box

ZÜRN D51 Plot spreader with belt cone

ZÜRN D55 Pneumatic plot spreader

GARFORD Plot hoes

Made in Germany

PLOT COMBINES

Our extensive range of plot combines offers the right machine for every application. Tailored to your individual needs, our well-proven plot combines stand out for exceptional performance, seed purity between plots and clean samples for accurate research and trial results.

THE COMPACT ENTRY MODEL

This is our compact plot combine for uncompromised and uncontaminated grain samples from breeding plots. With entry-level specifications and easy-to-use controls, it is the ideal machine for economical threshing of small plots and nurseries.

ZÜRN 110

THE BASE-LEVEL BREEDER MACHINE

Designed for nurseries and small trial stations, this robust and reliable plot combine offers convenient operation and smooth performance even in challenging conditions. Its single-sieve system offers straightforward adjustment, making this model the perfect machine for harvesting all combinable crops.

ZÜRN 130

THE UNIVERSAL DATA SPECIALIST

Featuring the most efficient cleaning system in its class, this universal plot combine offers buyers a comprehensive choice of options for versatile use – from breeding to seed testing applications. Equipped with NIRS analysis systems, this combine becomes a true data specialist.

ZÜRN 150

SCAN THE QR CODE AND WATCH THE ZÜRN 150 WORKING IN THE FIELD.

THE BIG AND POWERFUL

Designed to meet the highest demands of field researchers, this modern plot combine delivers efficient harvesting and produces clean samples that meet field research, seed testing and multiplication standards. Thanks to its high-capacity threshing and cleaning systems as well as its powerful engine, this machine offers plenty of reserves for harvesting the highest-yielding crops.

ZÜRN 160

THE STATIONARY THRESHER

Threshing all grain sizes of combinable crops – from small seeds to large legumes – this stationary machine ensures gentle threshing with minimum losses.

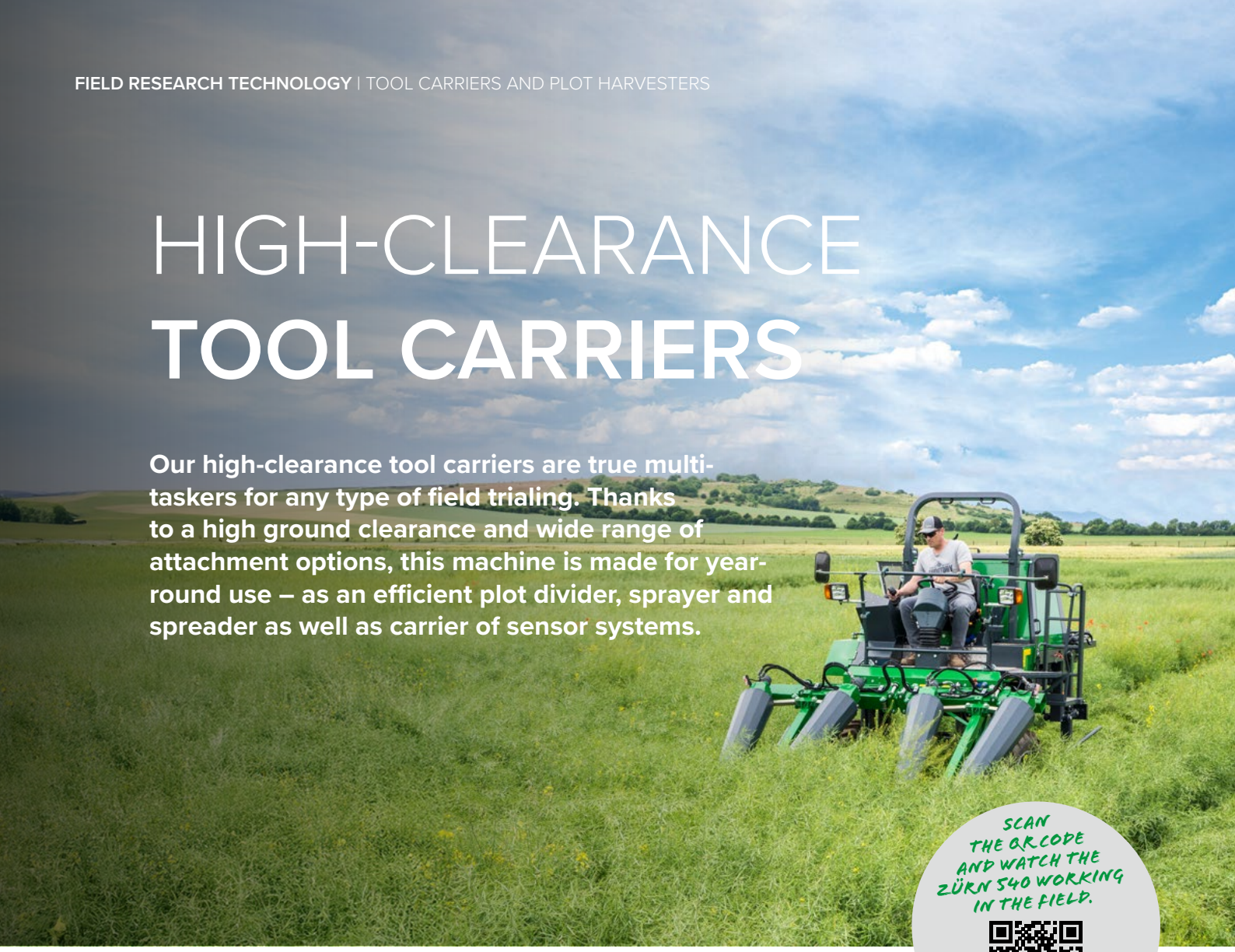
ZÜRN 130-ST

Intake belt and surface shaker

Elevator and straw walkers

HIGH-CLEARANCE **TOOL CARRIERS**

Our high-clearance tool carriers are true multi-taskers for any type of field trialing. Thanks to a high ground clearance and wide range of attachment options, this machine is made for year-round use – as an efficient plot divider, sprayer and spreader as well as carrier of sensor systems.



SCAN THE QR CODE AND WATCH THE ZÜRN 540 WORKING IN THE FIELD.

THE LIGHT-WEIGHT ENTRY MODEL

This high-clearance carrier stands out for straightforward operation and is the ideal machine for all light-duty tasks between seeding and harvesting. Wether dividing, swathing, applying fertilizer, spraying or phenotyping, this versatile machine is made for year-round use. The foldable rollover bar and sun roof provide effective operator protection.

ZÜRN 540

THE MULTI-TASKER

This multi-function and high-clearance tool carrier is more than just an efficient plot divider. The machine is made for versatile jobs, offering three platforms for implement attachment. Its cab provides a comfortable workplace with excellent operator safety features. In addition, four-wheel drive, high-flotation tires and a parallelogram-controlled rear axle deliver maximum traction.

ZÜRN 550

PLOT DIVIDER

Equipped with long torpedoes arranged at a shallow angle, this plot divider splits the stands of two neighboring plots very gently. A double knife is an option that converts the tractor-mounted machine into a swather in just a few minutes.

ZÜRN 600

PLOT HARVESTERS

Seeking the most accurate results in silage maize and other energy crops, we gave plot harvesters a rethink. The tractor-mounted weighing sampler with operator platform and the plot forager make a perfect team.

THE PLOT FORAGER

The tractor-mounted forage harvester, with maize cracker and selectable header, was specifically developed for experimental agronomy. The chute blows the crop directly into the weighing hopper of the rear-mounted maize sampler. For traveling between research stations, the chute folds hydraulically into transport position.

ZÜRN 650

THE WEIGHING SAMPLER

This robust and straightforward weighing sampler is a new design developed for sampling and analyzing silage maize and energy crops. The chopped material is homogenized in the weighing hopper itself. For precision results, the samples are taken across the entire plot and only after weighing. The sampler consists of a rotor positioned immediately behind the NIRS sensor to take representative samples.

ZÜRN 700

PLOT SEEDERS

Our high-performance plot seeders meet all the demands of modern field trialing. Precision placement and a high seed performance are the key factors for achieving accurate results. Offering a modular design for plot or row seeding, these machines can be perfectly tailored to your requirements. Choose from a wide range of coulters and technical features to configure your machine to your specific needs.

THE LIGHT-WEIGHT BELT CONE SEEDER

This simple plot seeder with mechanical drive stands out for its low weight and straightforward operation. The belt cone ensures precise application without leftover seed being carried into the next plot. A rotary distributor feeds the seeds evenly to the individual rows.

ZÜRN D62

THE POWERFUL BELT CONE SEEDER

This is our high-performance seeder for precision drilling in experimental farming plots. Its electric drive and wind-shielded belt cone with auto-leveling system ensure contamination-free operation and consistent seed spacing within the rows while exact distribution across rows is ensured by a rotary distributor.

ZÜRN D82

PNEUMATIC SEED DISTRIBUTION

As an option, the high-performance plot seeder can be specified with a pneumatic distributor for even greater accuracy in seed distribution across rows, which is particularly useful in small-seeded varieties.

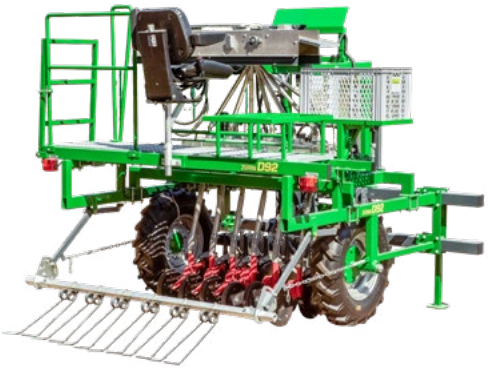
ZÜRN D82-PN

MOUNTING FRAME

Our plot seeders are available with an optional mounting frame. This frame stabilizes and levels the operator platform and all controls, supporting operator safety and convenience and ensuring only the coulters are raised out of work while the platform and all other components remain in position. As such, the agile seeder combines the best of two worlds – the convenience of a self-propelled machine and the flexibility of a mounted implement.

SCAN THE QR CODE AND WATCH THE ZÜRN D82 WORKING IN THE FIELD.

DIRECT DRILLING
Built for drilling into stubble, this plot seeder has a particularly robust frame to support heavy-duty no-till coulters.



THE POWERFUL SINGLE-ROW SEEDER
With automatic seed delivery to each row, this is our high-capacity single-row seeder for breeders. Each row is individually supplied from the magazine table and through the belt cone unit. The electric drive makes it quick and easy to adjust the coulters for different plot lengths and buffer strip widths.

ZÜRN D82-AXL

ZÜRN D92

EQUIPMENT FOR **PLOT CARE**

We offer a large choice of plot spreaders for a wide range of precision applications of fertilizers in field trialing. When it comes to weed control, we provide the leading solution for mechanical weeding – the camera-guided hoes from Garford, which can be specified to suit your plot sizes.

THE FERTILIZER SPREADER WITH SEED BOX

This compact spreader was specifically designed for field trial applications where consistent fertilizer rates are essential.

THE PLOT SPREADER

This precision plot spreader is designed for fertilizing trials with varying application rates. Its stainless-steel belt cone and auto-leveling feature ensures precise metering and fast changeovers between products without leftover granules mixing into the next plot.

THE PNEUMATIC SPREADER

Our pneumatic plot spreader was developed for accurate application of fertilizer in field trials. The pneumatic system ensures precision application of a wide range of fertilizers at working widths of 9–15 meters.

ZÜRN D50

ZÜRN D51

ZÜRN D55

SCAN THE QR CODE AND WATCH THE ZÜRN D55 WORKING IN THE FIELD.

THE PRECISION WEEDER

Our camera-controlled plot hoes bring maximum precision to mechanical weeding. For accurate guidance, the camera detects several rows simultaneously. With its mechanics and electronics adapted to field research conditions, the hoe is able to “skip” the buffer strips between the plots.

GARFORD ROBOCROP

SCAN THE QR CODE AND FIND OUT MORE ABOUT GARFORD

ABOUT GARFORD WEEDERS

A specialist manufacturer of mechanical weeders, Garford is a pioneer in camera-controlled sideshift technology. As early as 25 years ago, the UK manufacturer introduced the revolutionary system which combines video image analysis and sideshifting platforms for controlling mechanical hoes with high precision.

By replacing manual control with camera guidance, this breakthrough technology marked a new era in mechanical weeding.

Garford Farm Machinery Ltd. joined the Zürn Group in 2019.

GLOBALLY PROVEN

Every plot combine is custom-built to the exact requirements of each individual trial station and its specific setup. Today, our plot combines support breeders and field researchers around the world in achieving accurate results in their research work.

AT HOME IN FIELDS AROUND THE WORLD

Zürn equipment threshes grass seeds in the Netherlands, harvests sugar beet for seed multiplication in Sweden and combines soybeans in Brazil. Our machines perform equally well in rice breeding programs in Colombia and maize and wheat breeding programs in the North American Great Plains. Our plot combines are at home in the fields on all five continents.

ZÜRN LOCATIONS

ZÜRN SALES AND SERVICE PARTNERSHIPS

CUSTOM **SOLUTIONS**

Choose from a wide range of specifications and tailor your machine to your specific plot design and crop. Built on a modular design, our machines are available in numerous configurations and options. Your individual requirements are taken into account in our development work.

TRACKS

Featuring a rugged design and powerful engines, our plot combines cope with even the toughest harvesting conditions. Various tire options, a powerful four-wheel drive or optional tracks ensure soil-friendly treading with maximum grip.

WEIGHING SYSTEMS

A wide range of analysis and weighing systems is available to tailor our plot combines to your exact needs, so you gather not only the grain but also valuable data that are immediately available. We market not only our modular **ZÜRN GRAVITAS** weighing system but also analysis technology from our partners Schlingmann and HarvestMaster.

MULTI-PLOT SEEDERS

Built to customer specifications and capable of drilling several plots in one pass, our multi-plot seeders are designed for high-capacity operations. Our double-plot seeders deliver impressive seed rates and our triple-plot seeders offer extra capacity for large-scale operations.

MODULAR DESIGN

Our comprehensive range of options allows you to tailor your plot combine to your specific needs and various applications.

Choose from various header widths, cab specifications, grain tank and sample storage options. Our weighing systems offer custom solutions for yield metering, test weight, moisture sensing and NIRS analysis.

We manufacture each machine to your individual needs.

BESPOKE SOLUTIONS

Didn't find the right machine? We build it for you. We develop bespoke solutions to your requirements. Whether it's high-clearance axles for work in high beds, a pin-type threshing system for rice or a specific grain collection solution, we tailor the machine to your needs. Pitch us! Challenge accepted!

SCAN THE QR CODE AND FIND AN EXPERT TO ANSWER YOUR QUESTIONS.

GET PERSONAL ADVICE

Experience our experimental machines in action and witness their performance, reliability and quality. Contact our sales engineers for expert advice and configure your new machine to your exact requirements. Scan the code to find the person that can best answer your questions.

AFTER-SALES SERVICE

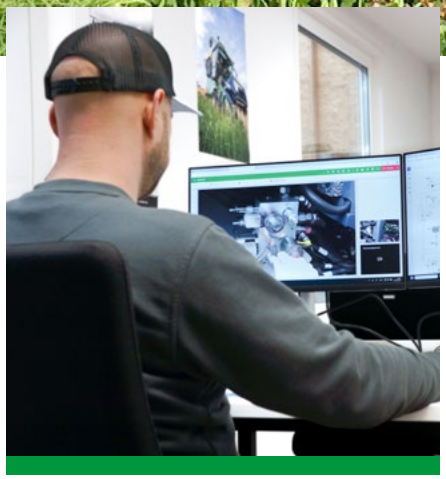
Your expectations for quality and service drive everything we do. Our global service teams ensure your machines are up and running anytime, anywhere. Prompt customer service and straightforward parts supply matter to us just as much as they matter to you.

SCAN THE QR CODE AND FIND AN EXPERT TO ANSWER YOUR QUESTIONS.

OUR SERVICE TEAM

TECHNICAL SUPPORT

In times of need, our experienced service specialists deliver fast repairs and also guide you on preventive inspections. Scan the code to find the person that can best answer your questions on after-sales service and parts supply.



24/7 SERVICE HOURS

For quick assistance even outside our regular business hours, you can reach us during the harvest season via our service emergency hotline.

(763) 208-2321

EMERGENCY HOTLINE

MINIMUM MAINTENANCE

Built to a rugged design, our machines are made to last. By using as few belts as possible, we keep the driveline simple and efficient. Easily accessible inspection doors minimize maintenance time and long service intervals maximize productivity.

GLOBALLY AVAILABLE

Packed with standard parts and components, our machines are easy to repair. For your prime mover to be up and running again in no time, many parts can be sourced through international farm machinery dealers – even in the most remote places.

PARTS SERVICE

VIRTUAL SUPPORT

Our virtual support ensures no time is lost waiting for the service engineer. Wearing Mixed-Reality goggles, your technician can work on the machine with both hands while the seasoned expert at the Zürn Service Center watches and guides your technician remotely and in real time for efficient diagnosing and cost-effective repair.

AUGMENTED MECHANIC

PREVENTIVE MAINTENANCE

Our Zürn Winter Service gets your core machine into shape for the next season. Our preventive service safeguards your machine's long-term reliability and minimizes downtime. So you can enter the busiest season with complete peace of mind.

WINTER SERVICE

PASSIONATE ABOUT FARMING

Johann Zürn Sr. laid the foundation for our company in 1885. The great-grandfather of the current owner, Rolf Zürn, founded a blacksmith's shop to support his family by shoeing farm horses. For over 140 years, a passion for agricultural machinery has shaped our company culture.

1885

Johann Zürn Sr. opens a blacksmith's shop in the village of Westernhausen and starts shoeing farm horses to support his family.

1950

The company starts trading agricultural machinery and becomes an authorized dealer of Eicher tractors.

1980

Production of rapeseed header extensions starts. Zürn becomes a specialist manufacturer of harvesting equipment that makes combines from all manufacturers and brands more efficient.

2001

A new facility for manufacturing rapeseed extensions for headers is taken into operation at the company's headquarters at Westernhausen. In the same year, the company starts developing its dealer network.

2005

The new ZÜRN PREMIUM FLOW belt header is awarded the DLG Silver Medal at Agritechnica in Hanover for offering a compellingly new design.

1920

Johann Zürn manufactures farm wagons, harrows and other agricultural implements.

1963

Karl Zürn becomes an authorized John Deere-Lanz dealer.

HÄNDLER-VERTRAG

1984

Karl Zürn dies at age 52. His death marks the end of an era. This setback is overcome only through the exceptional commitment of all employees and the untiring dedication of Herta Zürn. In 1994, Rolf Zürn becomes Managing Director of Zürn GmbH & Co. KG.

2004

A team of former Hege staff starts developing a plot combine at our Untermünkheim site near Stuttgart. One year later, in 2005, the new ZÜRN 150 goes into operation by Breun Seed Breeding in Herzogenaurach, Bavaria.

2011

Zürn rebrands its header- and plot-combine-manufacturing business as Zürn Harvesting GmbH & Co. KG.

2014

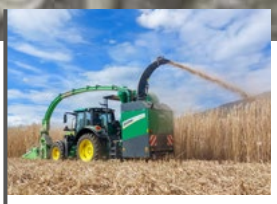
Plot seeders are added to Zürn's portfolio of trial plot technology.

2019

Zürn Harvesting enters the growing market of mechanical weed control by acquiring the majority of Garford Farm Machinery Ltd., the British specialist manufacturer of mechanical weeders.

2020

Zürn Harvesting expands its production by opening its new coating center – the region's most advanced powder coating facility for large machine parts.



2023

The company manufactures a growing range of innovative machinery for experimental agronomy. ZÜRN 700 is our first harvester for silage maize and energy crops.

2009

To expand our production capacity, production lines for plot combines are moved to the former Hege works, the Hohebuch Domain in Waldenburg.

2013

The Hohebuch Domain in Waldenburg celebrates its 50th anniversary as a trusted partner for field research. Today, Zürn Harvesting produces advanced plot combines at the former Hege factory.

2016

Zürn Harvesting establishes sales organizations in Canada and the USA to expand its business in North America.In 2024, Zürn do Brasil intensifies marketing Zürn equipment in South America.

2019

At Agritechnica 2019, Zürn showcases more innovations than ever before. Our new approaches to mechanical weeding lay the foundation for our new "Econventional Farming" portfolio.

2020

After five years of development, Zürn launches the completely new ZÜRN 160 – a plot combine for the high-performance market segment.

ROOTED IN AGRICULTURE

since 1885

ZUERN-HARVESTING.DE

ROOTED IN AGRICULTURE

We are firmly rooted in agriculture and at home in the fields around the world. The origins of ZÜRN date back to the blacksmith shop that was founded in 1885. Since those days, ZÜRN has evolved to become a synonym for 100% quality made in Germany.

CUTTING PLATFORMS FOR COMBINES AND FORAGE HARVESTERS

SOLUTIONS FOR ECONVENTIONAL FARMING

FIELD RESEARCH TECHNOLOGY FOR BREEDERS

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ZÜRN HARVESTING

This brochure is available worldwide. Some illustrations and texts may refer to optional equipment and accessories that may not be available in all sales regions. Further information is available from your local dealer. Zürn Harvesting reserves the right to change specifications and designs shown in this brochure without notice.

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