



» INNOVATIVE

» LONG-LASTING.

» PRECISE

» POWERFUL

» EFFICIENT

**AGRI
TECHNICA**
THE WORLD'S NO. 1

9. - 15.
NOVEMBER
HANNOVER
GERMANY

20
25

BESUCHEN SIE UNS IN HALLE 9, STAND D16

PRESS KIT



FACTS

- 152 employees
- Seven trainees
- 13.000 square-metre production hall
- Own test track
- Unimog service partner
- We are represented in over 30 countries

CONTACT

HERBERT DAMMANN GmbH

Dorfstraße 17

21614 Buxtehude-Hedendorf

Tel. +49 4163 8163-0

info@dammann-technik.de

www.dammann-technik.de



Press contact:

Ellen Zantop, phone. +49 4163 8163-69

e.zantop@dammann-technik.de

HERBERT DAMMANN GmbH

Experience shapes innovation – solutions for modern agricultural technology.

Since its foundation in 1979, Herbert Dammann GmbH has been a family business combining tradition and progress. Over the past four decades, the company has grown from the ideas and developments of its founder, Herbert Dammann, to become an internationally recognised provider of plant protection technology. The company has also established itself as an international market leader in the development of specialised systems for municipal applications and the aviation industry. Nadine Dammann is the second generation to run the company, continuing the philosophy of building machines that combine agriculture, the environment and technology in a sustainable way.

Our milestones demonstrate our commitment to always being one step ahead: with the DAMMANN-trac self-propelled crop protection machine, we have set new standards in precision and performance. The Profi-Class and Profi-Class Tandem stand for power and flexibility in crop protection – and have recently been further developed with innovative electrohydraulic forced steering. The construction of our three-axle Tridem crop protection sprayer demonstrates how we develop solutions for maximum effectiveness in the field with passion and

technical expertise.

Special solutions such as the Highlander, which was developed for tall crops like sunflowers and challenging conditions, and our high-precision machines for airport areas, demonstrate the versatility of our company. Our innovative strength is supported by our own surface technology, which ensures the machines are of the highest quality and durability.

All these innovations are made possible by our strong team. It is our employees' expertise, precision and passion that make the success of our family business possible. In collaboration with farmers, researchers and industry experts, we are constantly developing solutions to ensure the efficiency, sustainability and future viability of agriculture.

Agrotechnica has always provided us with a platform to showcase our innovations and engage in dialogue with farmers and experts from around the world. We are looking forward to presenting our latest developments, ranging from powerful field sprayers to specialised solutions, and to shaping the future of agricultural technology together.



Best regards

HERBERT DAMMANN GmbH



DAMMANN AGRIBALANCE

Electrohydraulic boom control for optimum boom position



The **DAMMANN AgriBalance** is an innovative automatic system that actively guides our field sprayers. It ensures the boom is always at the optimal height and angle above the crop, even on uneven terrain or when the carrier vehicle is in motion.

Functionality

D**AMMANN AgriBalance** hydraulically decouples the boom from the carrier vehicle using a combination of hydraulics and intelligent control technology. A pressure control valve, supported by additional sensors, controls the boom position in a highly dynamic manner and immediately compensates for movements and changes in the inclination of the vehicle and the terrain – even before major position deviations occur. This decoupling prevents vehicle movements from having a negative effect on the

boom guidance or the service life of the boom.

BENEFITS

D**AMMANN AgriBalance** guarantees precise and stable boom guidance – for accurate application, maximum working precision and efficient use of resources. The automatic compensation system compensates immediately for vehicle movements, enabling higher driving speeds while keeping the target area distance constant. This significantly reduces drift, saves operating resources and enables the full working width to be utilised effectively.

Additionally, the plant population is protected, as unintentional contact with the boom is prevented. Drivers benefit from a reduction in workload as manual corrections are no longer

necessary, allowing them to focus on speed. precision. At the same time, the service life of the boom is extended as impact loads and vibrations are minimised. The guidance remains stable and reliable even under difficult conditions such as slopes, changing soil conditions or uneven terrain, ensuring greater efficiency, comfort and cost-effectiveness in crop protection.

CONCLUSION

The perfect integration of hydraulics, sensor technology, electronics and software in the **DAMMANN AgriBalance** makes it a modern, cost-effective solution offering maximum precision.



DAMMANN 48-METRE BOOM ON OUR PROFI-CLASS TRIDEM

20.000 litres and 48-metre boom – a powerful combination



At the heart of the Profi-Class Tridem lies a three-axle, air-suspended chassis featuring mechanical-hydraulic forced steering for the first and third axles. This design offers excellent road holding and comfortable handling, particularly when the 20,000-litre tank is full. The K80 ball head coupling ensures reliable power transmission and maximum driving safety, even when travelling over uneven ground or performing fast manoeuvres.

The 48-metre spray boom has a modular design with hydraulic folding at various section widths (e.g. 21 and 42 metres), enabling flexible adaptation to field structures and plot sizes. The G-shape protects the nozzles from damage and ensures consistent application of the plant protection product, even in challenging conditions. The combination of steel and

aluminium booms is optimal, reducing the overall weight without compromising stability and ensuring smooth guidance of the linkage in all working positions.

Precision and comfort in every working situation!

Standard slope control and pendulum suspension ensure the boom is perfectly aligned, even on uneven terrain or at high driving speeds. The infinitely variable height adjustment on the lift mast ensures precise and efficient distribution of the plant protection product, regardless of the vegetation in the field. Intelligent folding systems and a robust design reduce downtime and maintenance, increasing efficiency even further.

Advantages for intensive use:

Thanks to its large tank volume, comfortable chassis design and exceptional working width, the Profi-Class Tridem with a 48-metre boom is ideal for large and intensive farms. The number of passes is reduced, ground pressure is minimised, and productivity per hectare increases significantly.



PROCONTROL / PROCONTROL III

Program-controlled filling and cleaning processes



NEW FEATURE

More functions can be switched from the control panel.



A/B/C/D button – freely configurable additional functions



Lighting option button – assignable according to customer preferences



NEW FEATURE

It's an emergency mode for when things go wrong.



Cleaning programmes can be cancelled immediately using the **X**-button button.

WHAT IS **proControl**?

- | **proControl** is an electronic operating concept that enables the operator to control and select various sprayer processes, such as cleaning and filling, via a terminal.
- | Functions of the **proControl III** can be operated from inside the cabin (e.g. fully automated interior cleaning) and at the induction centre.
- | The modernised **proControl III** version offers additional features such as remote control of the ISOBUS terminal, control of pumps, lighting and other functions, as well as pre-programmed work and cleaning sequences.

NEW FEATURE -EASE OF USE

Ring flush is deactivated when canister flush is active.



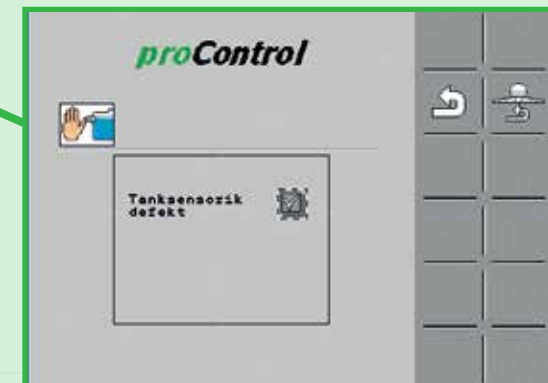
Canister flushing ☒ = Washing programmes can be interrupted

NEW FEATURE

Manual operations optimised:
taps and valves can be controlled directly



Taps and valves can be controlled directly here.



For example, it is possible to start the cleaning programme manually despite a defective tank sensor.

ELECTROHYDRAULIC FORCED STEERING:

Maneuverability Redefined: The Profi-Class Tandem features electrohydraulic forced steering.



DAMMANN is setting new standards in machine control. The Profi-Class Tandem is now available with innovative electro-hydraulic forced steering. This new feature significantly enhances the maneuverability of the Profi-Class Tandem by enabling precise, sensor-controlled steering of one axle and contactless steering.

The axle is steered around the rigid axle without lateral force, greatly reducing the turning circle and making maneuvering in the field much easier. At the same time, the tires and the entire chassis are protected by the optimal wheel position, which not only increases maneuverability but also reduces wear and tear.

The system offers maximum flexibility as it requires no mechanical couplings to the tractor and the steering angle can be precisely adjusted depending on the application — for example, when working in fields, driving on slopes or in road traffic. When used with a steering drawbar, it also guarantees precise tracking in crops, even on difficult terrain where conventional trailing steering is ineffective.

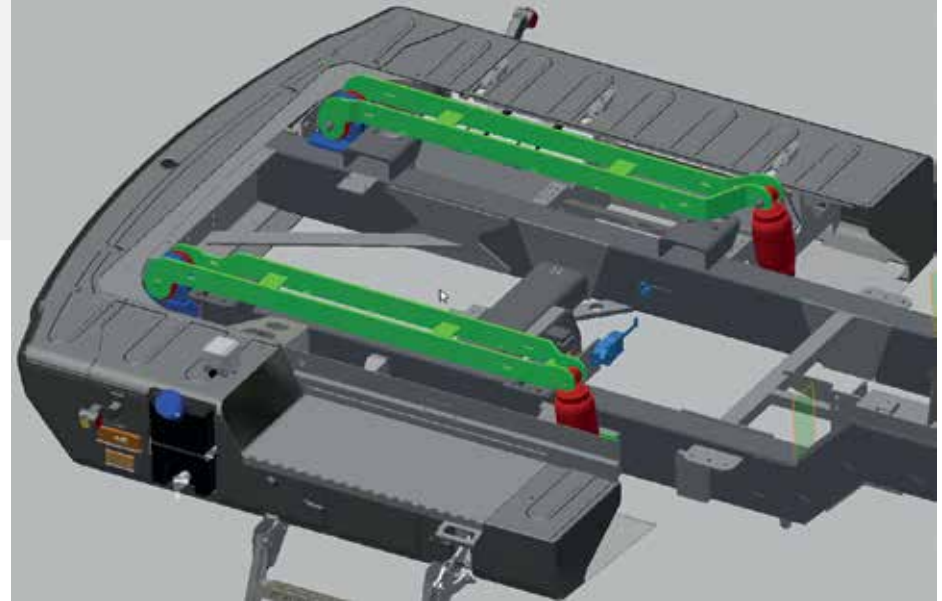
This technology enables the Profi-Class Tandem to easily navigate narrow field boundaries, farm entrances, and difficult terrain while remaining maneuverable.

ADVANTAGES

- Significant reduction in tire wear thanks to steering without lateral forces.
- Improved maneuverability makes it easier to maneuver.
- There is no need for mechanical couplings, which increases flexibility for vehicle combinations.
- The precise, sensor-controlled steering provides high driving safety, even on difficult terrain.

AIR-SUSPENDED CAB FOR ERGONOMIC WORK

Now available for the two-axle Dammann-trac DT 2800H.



We are expanding the range of equipment options for our two-axle DAMMANN-trac DT 2800 H. For the first time, an air-suspended driver's cab is now available for this model, offering a level of comfort previously reserved for the three-axle version.

Our advanced cab adapts to the number of people inside thanks to automatic level control. In the event of oscillations and vibrations, the cab is effectively decoupled from the chassis – resulting in noticeably increased ride comfort and less strain

on the back.

The system ensures a low-vibration working environment and reduces noise levels inside the vehicle. This creates the conditions for healthy, fatigue-free work, even during long days out in the field.

We are also preparing to introduce the air-suspension cab for the Highlander, so that all tractors will benefit from this back-friendly, noise-reducing design in future.

This innovation demonstrates our commitment to using modern technology to make everyday agricultural work safer, more comfortable and healthier.



Digital
press kit:



HERBERT DAMMANN GmbH
Dorfstraße 17
21614 Buxtehude-Hedendorf
Tel.: +49 4163 8163-0
www.dammann-technik.de
info@dammann-technik.de