

Einböck

**When hoeing
is joy!**

FRONT TANK JUMBO-STREAM

FRONT TANK FOR LIQUIDS FOR HOEING AND BAND SPRAYING
OR FERTILIZING IN ONE OPERATION



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FRONT TANK FOR LIQUIDS JUMBO-STREAM



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The JUMBO-STREAM front tank for liquids offers efficient solutions for combined weed management. The new front tank enables efficient mechanical weed control in combination with the proven CHOPSTAR hoeing equipment, i.e. hoeing and band spraying in one operation.

The camera-controlled ROW-GUARD does not only allow for a precise guidance of hoeing elements between rows, but also the nozzles are accurately guided above the row of plants to be treated. As a result, most of the weed control is done with the row-crop cultivator and only a very small area is treated chemically. These tailor-made solutions for liquid application can thus be used to efficiently combine work sequences, reduce application amounts and consequently increase the effectiveness of weed control. Efficient fertilization can be successfully done with the JUMBO-STREAM. Fertilizer can be brought directly to the plant supplying the crop with the appropriate nutrients when combined with a CHOPSTAR row-crop cultivator.



State-of-the-art technology for front and rear implements thus guaranteeing savings and efficient hoeing as well as simultaneous band spraying!

Model	JUMBO-STREAM 1100
Tank capacity (l)	1100
Tare weight	220 kg / 485 lbs
Handling	Electronic (ISOBUS)
Clean water tank (l)	2x65
Front linkage	Kat. II
Pump capacity (l/min)	200
Level indicator	Electronic



STANDARD EQUIPMENT

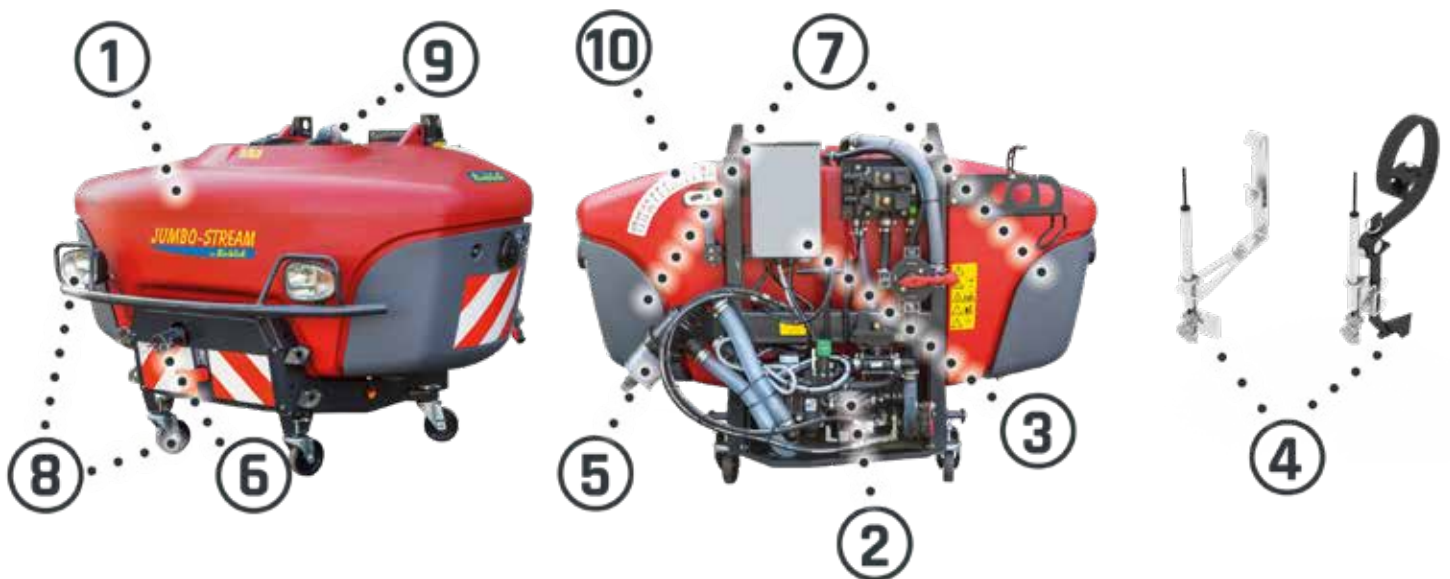
- ✓ Front tank with 1100 l nominal volume (max. 1300 l)
- ✓ Hydraulic pump (pump capacity 200 l/min)
- ✓ Intuitive ISOBUS handling
- ✓ Single nozzle control
- ✓ Optional: Control of the individual nozzles via GPS with SECTION-CONTROL
- ✓ Two flush tanks of 65 l each
- ✓ Corrosion-resistant materials for use of liquid fertilizers
- ✓ Flushing of the hoses with clear water directly from the cab
- ✓ Electric level indicator delivers tank volume directly to the terminal
- ✓ Optimized filling and cleaning of hoses
- ✓ Hand wash tank
- ✓ Parking wheels
- ✓ Lighting
- ✓ Flow meter for up to 20 l/min
- ✓ Complete filter system (filling sieve, suction filter, pressure filter, nozzle filter)

OPTIONS

- Section-Control activation
- Mounting kits for the row-crop cultivator 6, 8, 12, 16 or 18-row
- Flow meter for high application rates (2.5 - 50 l/min)

CONCEPT JUMBO-STREAM

1. 1100 l tank
2. Hydraulically driven piston diaphragm pump
3. Controlled via ISOBUS
4. Distribution kit mounted on the row-crop cultivator:
 - 4.1 One nozzle per row = "under-leaf surfaces" or two nozzles per row = "on-leaf surfaces"
 - 4.2 Nozzles behind sweeps for incorporation of liquid fertilizers
5. Full filter system
6. Suction hose connection "Camlock 2"
7. Fresh water and hand wash tanks
8. Parking supports with wheels & signaling and lighting system
9. Lid with sieve
10. Electric level indicator



ADVANTAGES JUMBO-STREAM

JUMBO-STREAM FRONT TANK & CHOPSTAR HOEING TECHNOLOGY - SEVERAL ADVANTAGES IN ONE PASS:

- » Efficient and precise in-row weed management by band spraying
- » Elimination of late germinating weeds between rows by row-crop cultivator
- » Savings in labor and spraying costs
- » Breaking open of silts and crusts
- » Mobilization of nutrients through soil aeration
- » Two operations carried out in a single pass

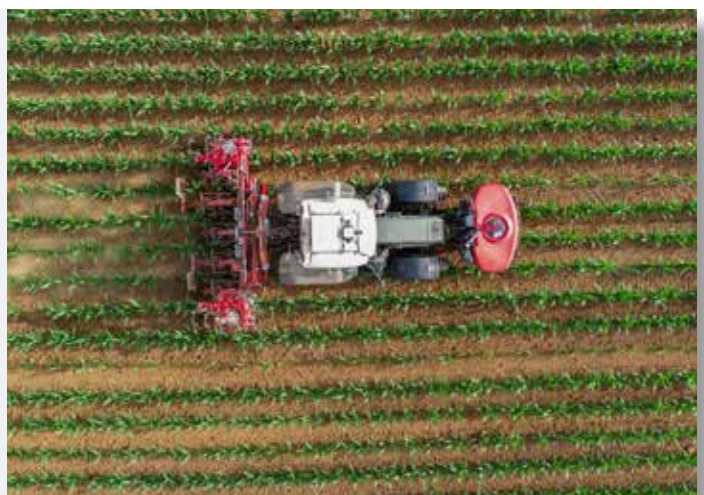


COMBINED WEED MANAGEMENT - REDUCTION OF APPLICATION RATES

Stricter regulations protecting plants, more frequently occurring resistances, reticence from the population - solutions are being sought to reduce the use of plant protection products. The system of mechanical-chemical weed management using a band sprayer and row-crop cultivator meets all these requirements. Application rates of plant protection products can be reduced by almost 70 %.

HOEING IS ECONOMICAL & ECOLOGICAL

Hoeing is becoming increasingly important in conventional agriculture. The classical row crop corn benefits from the highest yields. Hoeing breaks up crusts and increases soil aeration and the mineralisation of nitrogen. The only risky area of weed control is where the plant grows. The localized application of herbicides or pesticides is justifiable for this zone only.



ADVANTAGES JUMBO-STREAM

REDUCE LABOR COSTS

The combination of the bandsprayer and the row-crop cultivator cuts labour and fuel costs considerably. Instead of 2 passes (one with bandsprayer and one with the row-crop cultivator), only one pass suffices.



PROMOTE BIODIVERSITY - PROTECT & CONSERVE GROUNDWATER

The combination of hoeing technology and concentrated application of pesticides on only 20-30 % of the surface leads to a significant added value for the soil, the flora and the groundwater. The risk of contamination using pesticides is minimized, those are only sprayed where mostly needed: Within the crop row.

EFFICIENT DISTRIBUTION OF LIQUID FERTILIZERS

The combination bandsprayer and row-crop cultivator sprays the fertilizer exactly where it is mostly needed: Just beside the crop. The nozzle is mounted behind the sweep enabling full intake of the agents for the crop.



INTUITIVE ISOBUS COMMAND

An ISOBUS control is provided for the front tank JUMBO-STREAM. An existing ISOBUS terminal can be used to command the JUMBO-STREAM, therefore saving you money as well as additional values of the ISOBUS command already in use.



COMFORT THROUGH SINGLE NOZZLE ACTIVATION AND SECTION-CONTROL

The individual command of each nozzle is standard allowing to switch on/switch off each nozzle as needed. The control system can be automatically controlled via GPS and the ISOBUS function SECTION-CONTROL (optionally available). With driver-comfort in mind it enables precise work right up to the edge of the field. Asymmetric fields are not a problem anymore!



AUTOMATIC WASHING PROGRAM CAN BE OPERATED FROM THE CABIN

Flushing with clear water, optimized tank filling and emptying of the tank make the JUMBO-STREAM the perfect device for combined weed control.

INDIVIDUAL ADAPTATION TO THE ROW-CROP CULTIVATOR

The mounting kits allow individual adaptation to fit row-crop cultivators from 6 - 18 rows.



ACCURATE FIT AND 100 % COMPATIBLE

When fitting and adapting the front tank to a row-crop cultivator, we draw on our decades of experience as a specialist in hoeing technology. Each JUMBO-STREAM is individually adapted to the row-crop cultivator and configured accordingly, guaranteeing compatibility and operational reliability. The combination of JUMBO-STREAM, CHOPSTAR row-crop cultivator and camera steering system ROW-GUARD provide a powerful and effective solution for weed control in row crops.

EINBÖCK AT A GLANCE

"100 % made by EINBÖCK in AUSTRIA"

- » **In-house development from the idea to serial production:** We have over 85 years of experience in designing agricultural machinery.
- » **From users for users:** 75 % of our sales and product management team are farmers, so we develop practice-oriented, user-friendly machines and adjustment options. Our top priority is to provide the right machines and suitable product specifications.
- » **Suppliers from the region and Central Europe:** Long-lasting relations with our suppliers ensure a consistent quality of raw materials and components, as well as supply reliability.
- » **Manufacturing exclusively in Dorf an der Pram in Upper Austria:** Our high vertical range of manufacture guarantees the best quality and long working life. "100 % made by Einböck in Austria" ensures superior quality in all areas of production.
- » **Practical trials of all machines on our own test fields:** Before prototypes are turned into serial production, they have to withstand extensive tests on fields and roads. This allows us to achieve absolute precision and reliability.
- » **After-Sales-Service:** A decades-long supply of wear and spare parts ensures a maximum service life of the machines as well as direct and close contact with customers.

Einböck-values

- » **Sustainability and environmental protection:** Environmentally friendly production of sustainable products
- » **Consulting and service:** Sharing of acquired knowledge and first-class customer service
- » **Reliability and quality:** Keeping promised delivery dates and selling high quality products
- » **Honesty and loyalty:** Collaboration with customers, suppliers, employees, partners, dealers, etc. at eye level



Our goal is the production of market-oriented, user-friendly, innovative, environmentally friendly and high-quality products!

Family Einböck, management in 3rd & 4th generation





- ✓ Foundation 1934
- ✓ Owner-managed family business
- ✓ One production location in Dorf an der Pram; AUSTRIA
- ✓ 100 % in-house value chain
- ✓ 40+ years of experience in hoeing and weeding technology





Related brochures regarding "organic farming & mechanical weed control":



WEEDING TECHNOLOGY

- » Tined weeder
AEROSTAR-CLASSIC

- » Precision tined weeder
AEROSTAR-EXACT

- » Premium tined weeder
AEROSTAR-FUSION

- » Rotative weeder
AEROSTAR-ROTATION

TILLAGE

- » Seedbed cultivator
VIBROSTAR

- » Blade cultivator
TAIFUN

- » Universal cultivator
HURRICANE

- » Seedbed combination
EXTREM



HOEING TECHNOLOGY

- » Row-crop cultivator
CHOPSTAR

- » Rollstar cultivator
ROLLSTAR

- » Camera steering system
ROW-GUARD

- » Rotary hoe
ROTARSTAR

ORGANIC FARMING

- » Guide for mechanical weed control

- » Tips and interesting facts about weeding and hoeing technology

- » With FUSION FARMING to success



EINBÖCK



📍 Einböck GmbH
Schatzdorf 7
4751 Dorf an der Pram
Austria

☎ +43 7764 6466 0
📠 +43 7764 6466-390
✉ info@einboeck.at

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