

**Goldhofer**



**»BISON« FAMILY**  
**THE FUTURE PROOF**  
**PUSHBACK**

CONVENTIONAL TRACTORS

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**MADE FOR YOUR MISSION**

# »BISON« FAMILY FUTURE-PROOF AIRCRAFT TRACTORS



The mighty »BISON« family comprises a whole range of conventional aircraft tractors to handle any aircraft. Even the toughest tasks and climate conditions can't bring this impressive heavyweight down. With its agility no airport environment is too challenging.

This modular concept may be equipped with either a diesel or an electric drivetrain. The wide range of options available not only allows you to customize the perfect fit for your operation, but also helps you reduce TCO by minimizing maintenance efforts and spare parts storage.

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MODULAR PLATFORM

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MAXIMUM PERFORMANCE

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VALUE FOR YOUR MONEY



# MODULAR PLATFORM OVERVIEW

Customize your vehicles to fit your individual needs! The »BISON« offers maximum utility in your daily ground handling operation.

Choose between different sizes, drive trains, motor power and cabs. Benefit of a well-thought-out operation and take advantage of a well engineered operation system throughout the whole range, which ensures maximum safety.

- + Identical parts save storage and costs
- + Find the perfect size and power for your operations
- + Flexible ballasting allows individual configuration according to the respective application

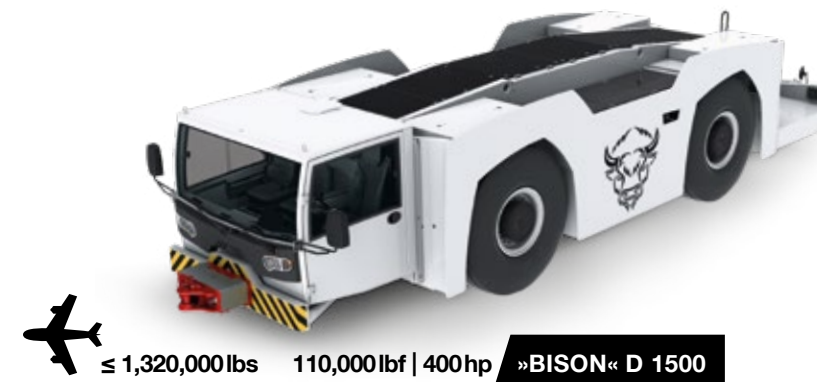
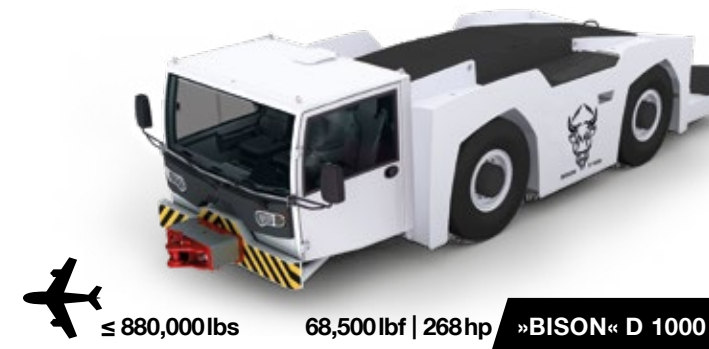
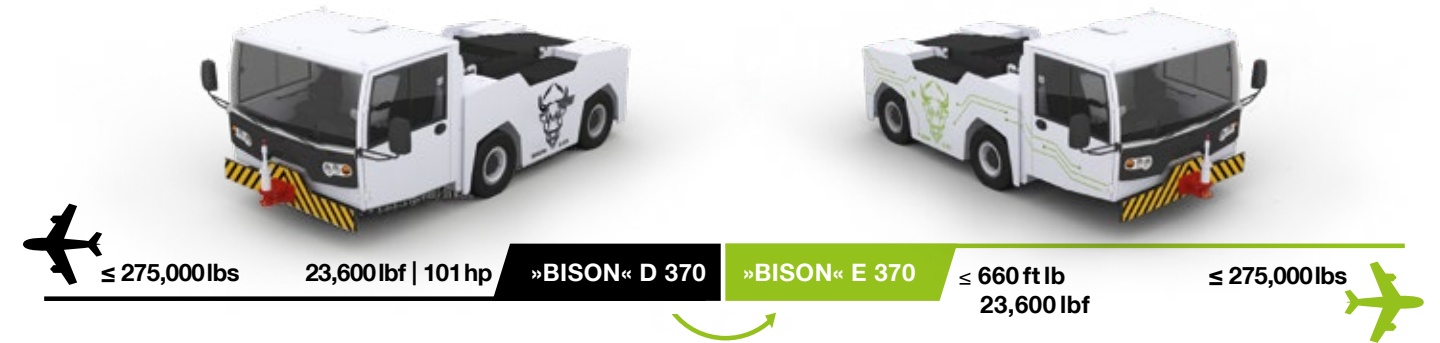


CABLESS

OPEN CAB

CLOSED CAB

»BISON« CABIN





# MAXIMUM PERFORMANCE COUNT ON »BISON«

**Unstoppable power to keep you moving.**

**Thanks to its modular design, the »BISON« can easily adapt to your specific requirements. This is one more reason why the »BISON« is the perfect pushback solution for any airport.**

- + **Move aircraft up to 1,320,000 lbs MTOW**
- + **Diesel capacity for maximum distance, engine power from 101 hp to 400 hp**
- + **Electric motor with a maximum torque of 660 ft lb allows you to work through a full day**

## RELIABILITY

- + Count on »BISON« during every shift for the long haul
- + Large tank as well as »IonMaster« technology is adequate for a two-shift operation
- + Maintenance interval of 1,000 h and low effort allows maximum availability

## SIMPLE OPERATION

- + Same operation of all tractor sizes reduces time spent for trainings and improves safety
- + Less repair effort due to easy, safe and ergonomic operation
- + Display shows plain text of any incidence

## FUTURE PROOF

- + High quality components ensure optimum and long-term availability
- + The smart ballasting concept allows individual configuration even if tasks change

## ERGONOMICS & SAFETY

- + Well thought-out cockpit with ergonomic operation and seating position
- + Cabin with optimized view onto the couplings



# VALUE FOR YOUR MONEY

## THE »BISON« D



### DIAGNOSIS AND MAINTENANCE

- + Incidents shown as plain text in the multi-function display
- + Easy access of preventive maintenance components
- + Time-saving work processes and 1,000 h maintenance interval



### MAINTENANCE FREE COMPONENTS

- + Optimized hydraulic system with reliable gear pumps for long life use
- + Cardan shaft – no greasing required



### REDUCED CONSUMABLES

- + Simplified fluid maintenance
- + Less storage and effort when changing
- + Environmentally friendly and cost-saving
- + Individual hydraulic fluid tanks for both steering and braking



### VEHICLE-SPECIFIC ADVANTAGES

- + Leaf suspension specially developed for »BISON« D
- + Reduced maintenance effort through use of rubber bushing
- + No lubrication required
- + 3 different types of cabin design: cabless, open cab, closed cab



UP TO 1,000 h  
MAINTENANCE  
INTERVAL



CABIN OPTIONS  
FOR FLEXIBLE  
CONFIGURATION



MAINTENANCE  
FREE MAIN  
COMPONENTS



»BISON« D 370  
101 hp | 23,600 lbf | MTOW ≤ 275,000 lbs



»BISON« D 620  
156 hp | 46,000 lbf | MTOW ≤ 550,000 lbs



»BISON« D 1000  
268 hp | 68,500 lbf | MTOW ≤ 880,000 lbs



»BISON« D 1500  
400 hp | 110,000 lbf | MTOW ≤ 1,320,000 lbs  
EU STAGE V



# GOLDHOFER »IONMASTER« TECHNOLOGY THE »BISON« E



## »IONMASTER« TECHNOLOGY

- + Integrated battery management including active temperature management and heat pump for maximum battery lifetime
- + Modular and expandable battery to serve your requirements efficiently
- + 400 V lithium-ion battery tried and tested in automotive for maximum power and lifetime
- + Opportunity charging for multi-shift operation
- + Electric drivetrain, electric motor, battery, inverter and heat pump maintenance free



## FAST CHARGING 400V UP TO 107hp

- + Standard AC/DC Charging station
- + Intermediate wallboxes allow you to charge several »BISON« E the same time
- + Intelligent wallboxes recognize how many »BISON« E are connected and how much charging they need. Charging speed and charging capacity can be adjusted



## VEHICLE-SPECIFIC ADVANTAGES

- + All Standard Plugs available: CCS Type 1, CCS Type 2 and GB/T
- + Product platform for the entire »BISON« range
- + Modular battery system makes the perfect match



**»BISON« E 370**  
≤ 660 ft lb | 23,600 lbf | MTOW ≤ 275,000 lbs



**»BISON« E 620**  
≤ 660 ft lb | 46,000 lbf | MTOW ≤ 550,000 lbs



MODULAR  
EXPANDABLE  
BATTERY SYSTEM



CABIN OPTIONS  
FOR FLEXIBLE  
CONFIGURATION



MAINTENANCE  
FREE MAIN  
COMPONENTS



## »BISON« FAMILY GET IN TOUCH WITH US!

### GOLDHOFER AIRPORT TECHNOLOGY

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### TECHNICAL DATA SHEETS

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»BISON« D 370



»BISON« E 370



»BISON« D 620



»BISON« E 620



»BISON« D 1000



»BISON« D 1500