



Smart Use of Advance Composites to Boost Efficiency in Agriculture

Lightweight Sprayer Booms



reddot winner 2022



48

HTS45 / 48MTS
BK-COMP.COM

An aerial photograph of a red tractor with two long black spray booms spraying a field. The field has distinct green and brownish-yellow stripes, likely from previous agricultural activity. The tractor is positioned in the center-right of the frame, angled towards the bottom left.

Lightweight Sprayer Booms

32M | 36M | 40M | 44M | 48M

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The Concept
**Smart Use
of Materials**

A detailed close-up of a construction crane's boom arm. The arm is composed of large, black, ribbed carbon fiber tubes. The letters 'BK' are printed in yellow on the upper tube, and 'HTS45 | 48MTS' and 'BK-COMP.COM' are printed in smaller text on the lower tube. The boom arm is mounted onto a metal node assembly, which includes several bolts and a central pivot point. The background is dark, making the black tubes stand out.

Carbon Fiber Tubes

Achieve Large Working Width
with Low Weight

48

HTS45 | 48MTS
BK-COMP.COM

Metal Nodes

More Efficient to Withstand
Concentrated Loads of Ties and
Joints

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The Concept
**Smart Use
of Materials**



**CARBON FIBER CORE WITH
ROTOMOLDED PLASTIC COVERS**
Doubles Resistance to Impact
and Abrasion



Benefits | BK Booms

**Increased
Working
Width**

→ Increased Productivity, Fuel Savings.

**Reduced
Weight**

→ Reduced Soil Compaction, Higher Working Speed.

**Resistant
to Corrosion
and Fatigue**

→ Increased Durability

Benefits | BK Booms

**Greater
Stability**

→ More Uniform Application

**Easy to
Repair**

→ Easy-to-use repairs kits. No previous required.
Less machine downtime. Reduced maintenance costs.

**Ideal Smart
Spot Spraying
Systems**

→ The stability and durability make it ideal for Smart Spot Spraying Systems across the entire working width.

Products Lineup | BK Booms

New !

BK 32M

Total wing weight 334 kg | 736 lbs

Compatible with: Machines from 210 cm gauge. Ideal for replacing 21 to 28 m steel booms.

Supports selective application systems across the entire working width.



Products Lineup | BK Booms

BK 36M

Total wing weight 343 kg | 756 lbs

Compatible with: Machines from 260 cm gauge.

Supports selective application systems across the entire working width.



Products Lineup | BK Booms



BK 40M

Total wing weight 360 kg | 793 lbs

Compatible with large sprayers.

Supports selective application systems across the entire working width.

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Products Lineup | BK Booms

New !

BK 44M

Total wing weight 488 kg | 1076 lbs

For Top of the range sprayers and use in large fields.

Compatible with the same adaptations as the 48M boom.

Supports selective application systems.



Products Lineup | BK Booms

New !



BK 48M

Total wing weight 498 kg | 1098 lbs

For use in large extensions.

Compatible with the same adaptations as the 44M boom.

Supports selective application systems.

+ 150

Booms Delivered

+ 6 Million

Hectares Worked

+ 20

Smart Spot
Spraying Equipped



9K COMP

BK's Boom Highlights

Stability

Effective weight distribution, centralizing mass near the machine. This improves the boom's dynamics and stability on uneven terrain, allowing faster operation.

Repairability

The repair kit allows for fast and straightforward application in the field, eliminating the need for special tools or prior experience.

[Learn More](#)

Quality

Automated manufacturing processes enable enhanced repeatability and superior material properties.

Modularity

Allows the quick and easy integration of technology and accessories. This modular design is achieved through the combination of carbon fiber with other metals and materials, achieving a simple, lightweight, and efficient design.

Repair Kit for the Upper / Intermediate Sections of the Booms

Includes What You Need to Repair All Types of Breakage Quickly and Easily.



Repair Kit for the SMC Base

Includes What You Need to Repair a SMC Base
and Carbon Fiber Clamp.





ACCESORIES

Smart Spot Spraying

The stability and resistance of our boom makes it suitable for the use of Smart Spot Spraying Systems across the entire working width, maintaining good stability and ensuring optimum application.

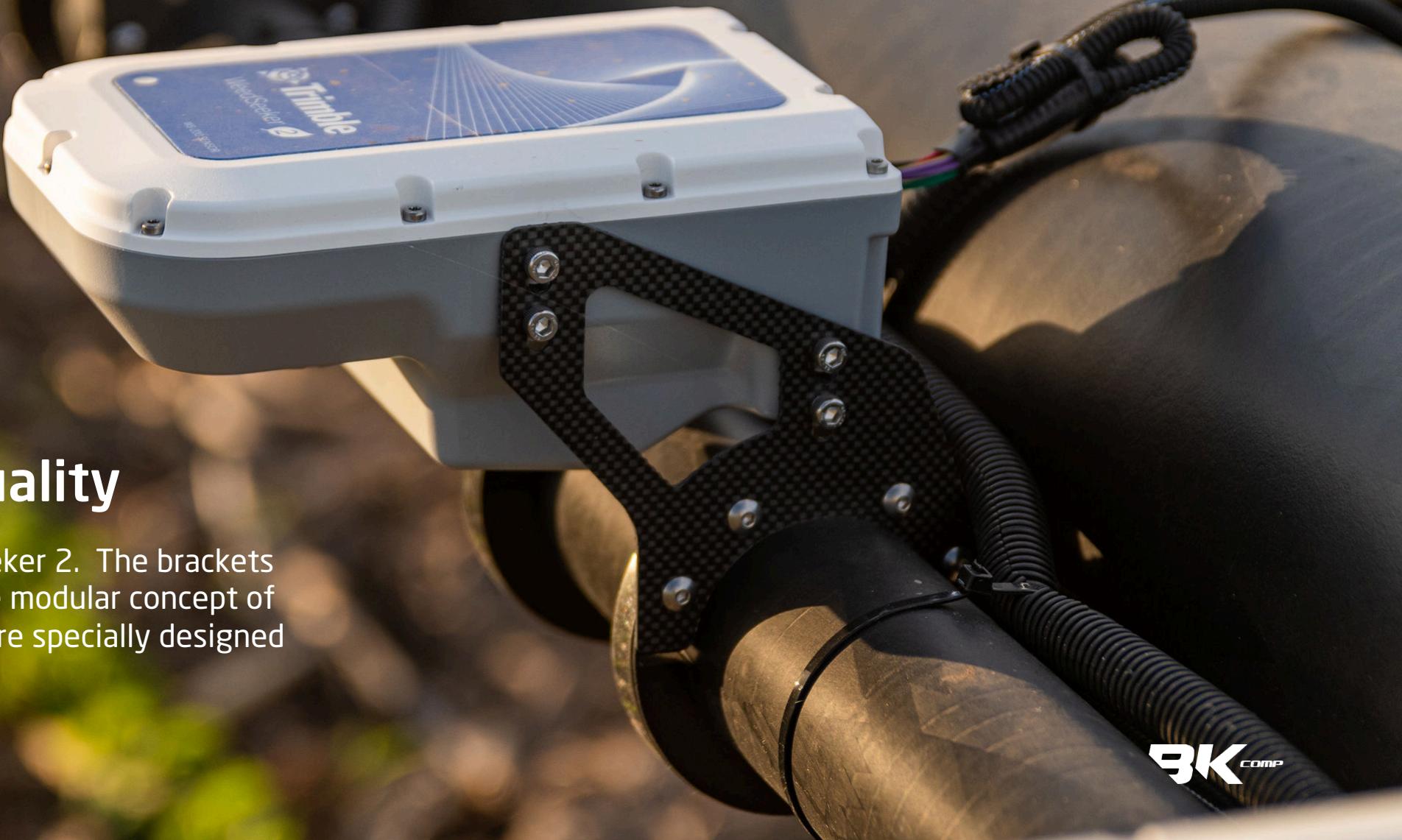
*BK40m Full WeedSeeker 2

BK COMP

ACCESORIES

Design & Quality

Supports for WeedSeeker 2. The brackets take advantage of the modular concept of the BK design and were specially designed for the devices.





PERFECT MATCH

Smart Spot Spraying

Our mounting brackets combine design and engineering with the best materials to achieve a lightweight and durable product, enabling precise spraying and maximizing performance. This results in cost savings, increased productivity, and reduced environmental impact.

*BK36m Full Weed-IT Quadro



PERFECT MATCH

Lightweight & Strong

Supports for Weed-IT Quadro.

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For more information, click on the link below.

MORE INFO

BK Comp is a company that develops and manufactures advanced composite products for the agribusiness, combining design and Know How in different technologies aiming to increase the efficiency and productivity of the sector.

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