

Truck-Mounted Underbridge Inspection Unit - Basket Mode

Truck Mount

Underbridge

Working Height

15.7 m

Horizontal Reach

18.8 m

Vertical Reach Down

20.6 m

Overall Weight

34,700 kg

★ Basket Mode Advantages

- ✔ No outriggers required - streamlined deployment

✔ Can travel while platform is fully deployed

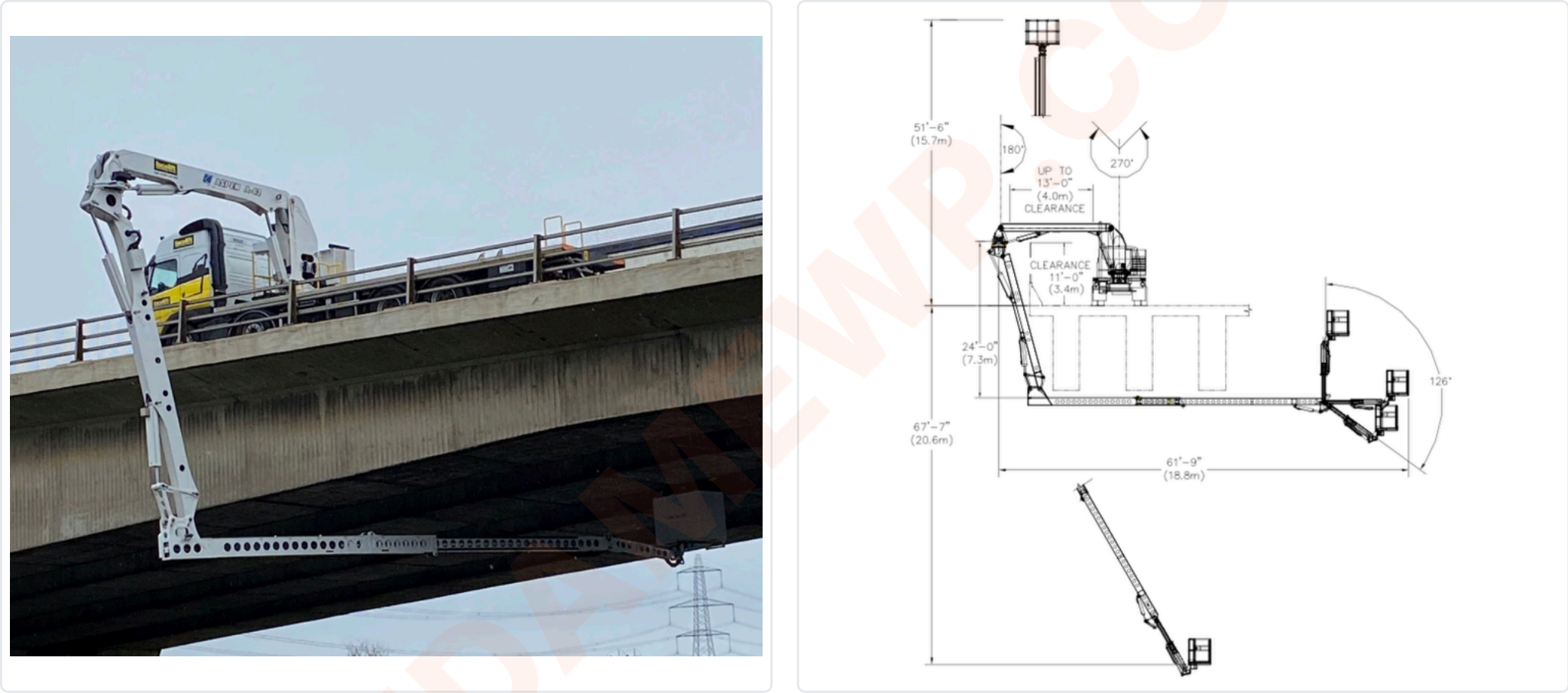
✔ Wireless controls at platform and pedestal stations

✔ Manual adjustment of +/- 5 degrees for bridge super-elevation
- ✔ Compact 2.5m operational footprint minimizes lane closures

✔ 13-foot telescopic fourth boom for accessing tight areas

✔ Automatic platform leveling system

✔ Integrated stability interlock system with monitoring



≡ Technical Data - Basket Mode

<div><div></div><div>Basket size</div><div>1.01 m x 1.52 m x 1.12 m</div></div>	<div><div></div><div>Basket load</div><div>318 kg (700 lbs)</div></div>	<div><div></div><div>Personnel capacity</div><div>1-2 inspectors</div></div>
<div><div></div><div>Basket rotation</div><div>180°</div></div>	<div><div></div><div>Horizontal reach</div><div>18.8 m (61' 9")</div></div>	<div><div></div><div>Vertical reach down</div><div>20.6 m (67' 7")</div></div>
<div><div></div><div>Vertical reach up</div><div>15.7 m (51' 6")</div></div>	<div><div></div><div>Sidewalk clearance</div><div>3.96 - 5.2 m (13-17')</div></div>	<div><div></div><div>Fence clearance</div><div>2.47 - 4.6 m (8-15')</div></div>
<div><div></div><div>Boom 1 Movement</div><div>+30° to -35°</div></div>	<div><div></div><div>Boom 2 Movement</div><div>+0° to -105°</div></div>	<div><div></div><div>Boom 3 Movement</div><div>+90° to -60°</div></div>
<div><div></div><div>Boom 4 Movement</div><div>+90° to -36°</div></div>	<div><div></div><div>Operational footprint</div><div>2.5 m (102")</div></div>	<div><div></div><div>Power source</div><div>Truck engine PTO</div></div>
<div><div></div><div>Overall weight</div><div>34,700 kg (76,500 lbs)</div></div>	<div><div></div><div>Stowed height</div><div>4.00 m</div></div>	<div><div></div><div>Stowed width</div><div>2.50 m</div></div>

Truck-Mounted Underbridge Inspection Unit - Gantry Mode

Truck Mount

Underbridge

🚚 Truck Configuration

Truck Advantages

✔ No outriggers required - streamlined deployment

✔ Compact 2.5m operational footprint

✔ Can travel while platform is fully deployed

✔ Road legal configuration for easy transport

✔ Integrated counterweight system for stability

⌘ Gantry Mode Configuration

Gantry Mode Advantages

✔ 3-stage gantry walkway for expanded capacity

✔ Accommodates up to 5 operatives simultaneously

✔ Increased load capacity of 680kg (1500 lbs)

✔ Extended horizontal reach of 19.5m

✔ Ideal for collaborative inspection tasks

📊 Technical Data - Gantry Mode

<div><div></div><div>Gantry walkway size</div><div>13.4 m</div></div>	<div><div></div><div>Gantry capacity</div><div>680 kg (1500 lbs)</div></div>	<div><div></div><div>Personnel capacity</div><div>Up to 5 operatives</div></div>
<div><div></div><div>Horizontal outreach</div><div>15.50 m</div></div>	<div><div></div><div>Vertical reach down</div><div>13.4 m</div></div>	<div><div></div><div>Vertical reach up</div><div>15.54 m (51')</div></div>
<div><div></div><div>Additional platform</div><div>2.1 m movable step-up</div></div>	<div><div></div><div>Sidewalk clearance</div><div>3.96 - 5.2 m (13-17')</div></div>	<div><div></div><div>Fence clearance</div><div>2.47 - 4.6 m (8-15')</div></div>
<div><div></div><div>Operational footprint</div><div>2.5 m (102")</div></div>	<div><div></div><div>Power source</div><div>Truck engine PTO</div></div>	<div><div></div><div>Overall weight</div><div>34,700 kg (76,500 lbs)</div></div>
<div><div></div><div>Control system</div><div>"Plus 1" microprocessor</div></div>	<div><div></div><div>Control stations</div><div>Wireless platform & pedestal</div></div>	<div><div></div><div>Communication</div><div>12-volt intercom system</div></div>

★ Key Features & Benefits

- 🔧 Ultra-compact dimensions for tight access

🚚 Truck engine PTO power system

⬇️ Superior negative reach capability
- 🔄 160° rotation for versatile positioning

🚫 No outriggers required for operation

🔗 Interchangeable platform configurations
- ⚠️ 28% gradeability for rough terrain

👥 Accommodates up to 5 operatives in gantry mode

📊 680kg basket capacity in gantry mode