The Millennium’s tubular truss design, combined with optimally placed & engineered welds, and proprietary single-piece top cap extrusions, results in what is, without question, the most durable and innovative line of aluminum spray booms on the market today, providing years of worry-free operation.

**SUPERIOR PERFORMANCE THROUGH SUPERIOR DESIGN**

**OUR COMPANY**
- Largest manufacturer of aluminum spray booms in North America
- Serving OEM, dealer/distributor, and retail markets
- Comprehensive installation and field service
- Nearly 30 years of specialized welding experience and a decade of expertise designing and building aluminum boom systems with over 800 booms sold

**PARTS & SERVICE**
- Fully stocked parts warehouse
- 24-hour emergency support

**MILLENNIUM ADVANTAGES**

**LIGHT:**
- 35%-50% lighter than comparable steel booms
- Reduced wear and tear on sprayer
- Improved sprayer traction and steering

**DURABLE:**
- Elasticity modulus of Aerospace aluminum 1/3 that of steel
- Forces spread throughout entire structure: “bend don’t break”
- Reduced corrosion over steel
- Dampened breakaway reduces oscillations and fatigue, improving spray pattern
- Plumbing inside boom structure for protection
- Estimated 30% increase in longevity over competitor’s products

**EFFICIENT:**
- Wider booms cover more ground faster with less yield loss and less fuel
- Standard sizes available are 120’ and 132’; custom sizes available
- Ability to fold boom without cradling
- Clean and open design reduces wind drag

**MILLENNIUM FINISH**
- Standard aluminum finish
- Powder coated steel components
- Color match powder coat

**AVAILABLE ACCESSORIES**
- Boom height control
- Boom Cradles and Adapters
- Swing Arms and Attachment Mounts
- Nitrogen Accumulator Kits
- Shut-off, Strainer & Sensor Bracketry
- Hydraulic Hose Kits
- Wet Pluming Kits featuring Hypro, Teejet and Wilger
- Touch Down Wheels
- Authorized Raven dealer

**MILLENIUM ALUMINUM SPRAY BOOMS**

**LIGHT. DURABLE. EFFICIENT.**

www.spraybooms.com
Engineered welds, optimally placed and designed to eliminate cracks and increase strength 100%.

Use of aircraft grade 6061-T6 and 6005A-T6 aluminum alloys vs. weaker and less expensive 6063-T6 used by the competition.

Wide lower structure for ease of spray bar adjustment, maintenance and nozzle body clearance.

Custom designed and manufactured 4140 heat-treated rod ends are significantly stronger than those offered by the competition. Comes standard with corrosion resistant hardware.

Patent pending design dramatically increases boom/center rack operational life. Breaks forward, up and back. Patented hinge brings breakaway gently back to center, with less disruption in spray pattern and fatigue.

Bolt-on, hardened steel, lift cylinder lug plates as compared to the weaker aluminum plates currently found on competitive products. Adaptable to any sprayer. By mounting the bolt-on lift lug plates underneath the upper extrusion, the force is distributed over a larger area while eliminating the pulling on welds, thereby reducing the possibility of fatigue cracking.

Optimized hinge design fabricated from high-strength steel. Bolt-on design of folding hinge provides for simple replacement. Fold cylinders located within structure to protect them with built-in hydraulic pressure relief valves.

Primary to Center Section Connection

Bolted, high-strength steel connection. Flexibility high and low to allow attachment of square or round center section components. Allows for simple removal of center section components if desired.

Precision Engineered Welds

Engineered welds, optimally placed and designed to eliminate cracks and increase strength 100%.

Use of aircraft grade 6061-T6 and 6005A-T6 aluminum alloys vs. weaker and less expensive 6063-T6 used by the competition.

Wide lower structure for ease of spray bar adjustment, maintenance and nozzle body clearance.

Patented Single Piece Top Cap

Engineered for superior strength; entire top structure extruded as one single piece, then carefully designed ovals are machined out to reduce weight and maintain strength. Eliminates welds and heat affected zones in high stress areas. Webbed inner structure provides strength against multi-axial stresses.

Folding Hinge & Cylinder

Primary to Center Section Connection

Bolt-on, hardened steel, lift cylinder lug plates as compared to the weaker aluminum plates currently found on competitive products. Adaptable to any sprayer. By mounting the bolt-on lift lug plates underneath the upper extrusion, the force is distributed over a larger area while eliminating the pulling on welds, thereby reducing the possibility of fatigue cracking.

Optimized hinge design fabricated from high-strength steel. Bolt-on design of folding hinge provides for simple replacement. Fold cylinders located within structure to protect them with built-in hydraulic pressure relief valves.

Precision Engineered Welds

Engineered welds, optimally placed and designed to eliminate cracks and increase strength 100%.

Use of aircraft grade 6061-T6 and 6005A-T6 aluminum alloys vs. weaker and less expensive 6063-T6 used by the competition.

Wide lower structure for ease of spray bar adjustment, maintenance and nozzle body clearance.

Patented Single Piece Top Cap

Engineered for superior strength; entire top structure extruded as one single piece, then carefully designed ovals are machined out to reduce weight and maintain strength. Eliminates welds and heat affected zones in high stress areas. Webbed inner structure provides strength against multi-axial stresses.

Folding Hinge & Cylinder

Primary to Center Section Connection

Bolt-on, hardened steel, lift cylinder lug plates as compared to the weaker aluminum plates currently found on competitive products. Adaptable to any sprayer. By mounting the bolt-on lift lug plates underneath the upper extrusion, the force is distributed over a larger area while eliminating the pulling on welds, thereby reducing the possibility of fatigue cracking.

Optimized hinge design fabricated from high-strength steel. Bolt-on design of folding hinge provides for simple replacement. Fold cylinders located within structure to protect them with built-in hydraulic pressure relief valves.

Precision Engineered Welds

Engineered welds, optimally placed and designed to eliminate cracks and increase strength 100%.

Use of aircraft grade 6061-T6 and 6005A-T6 aluminum alloys vs. weaker and less expensive 6063-T6 used by the competition.

Wide lower structure for ease of spray bar adjustment, maintenance and nozzle body clearance.