SNOW MAKERS

AXIS SERIES

Cost Efficient Snowmaking



SMI Snow Makers
SNOWMAKERS.COM



Simple On/Off Control, **Energy Efficient.**

The SMI Axis - Cost-Effective Snowmaking

The SMI Axis is our most affordable and easy-to-operate snowmaking stick, designed for maximum performance with minimal complexity. Featuring a patented pivoting head, the Axis can be manually angled to match shifting winds: improving hang time, snow quality, and pile placement across narrow trails and cat tracks.

Designed to be energy efficient, cost-effective, and lightweight, the Axis performs well in a variety of conditions. While primarily offered in manual configurations, these snowmakers can also be automated.

With options for standard, wide, or narrow trial heads and various mounting and tower configurations, the Axis demonstrates that simplicity can still be highly effective at a great cost.

With decades of snowmaking experience and innovation, the Axis provides rugged performance and reliable results in a compact, cost-effective design.



*Photo taken by Lida Friluftsgård, Sweden







*Photos taken by Forbush Corner, MI



The SMI Axis

Simple On/Off Low-E sticks with patented pivoting heads to help fight changing winds.

360° Pivoting Head Technology

The Axis head can rotate a full 360° at any angle, allowing precise positioning for optimal nucleation and nozzle mixing, even in shifting wind conditions. Its easy-to-adjust design helps combat crosswinds, increasing hangtime and ensuring more consistent, drier snow piles.

Instant Startup

No Freeze Ups

Simple Operation

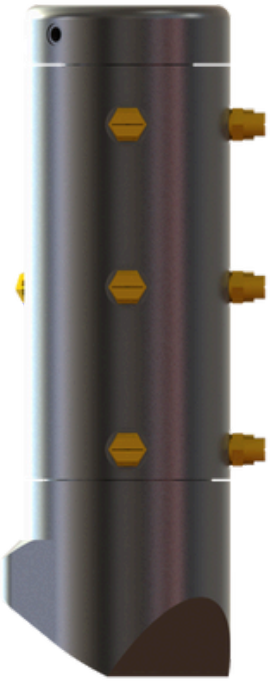
More Hangtime



Complete Axis Head Lineup

- **Axis S** (Standard) - Reliable all-around performance for general terrain coverage.
- **Axis N** (Narrow Trail)- Precision coverage for tight spaces and narrow trails.
- **Axis W** (Wide Trail)- Wider coverage with spaced-out nozzles, allowing for two distinct snow piles.

Axis Heads



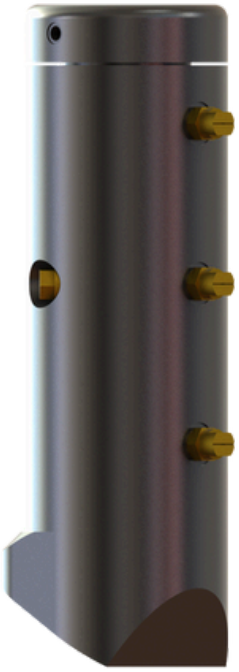
Axis S

Standard Coverage, Reliable Performance

Water Nozzles	**4**
Nucleator Nozzles	**2**
Water Flow Stages	**1**

The S head is our **most versatile design**, equipped with 4 water nozzles and 2 nucleators for balanced performance across main slopes. Engineered for dependable output, it delivers consistent snow quality in a **wide range of conditions.**

Configurable for standard, marginal, or cold weather operations.



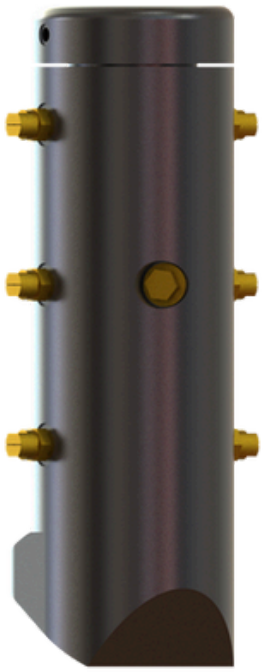
Axis N

Narrow trials and precision placement

Water Nozzles	**2**
Nucleator Nozzles	**1**
Water Flow Stages	**1**

The N head is built with 2 water nozzles and 2 nucleators, providing **focused coverage** in tight or wind-exposed areas. Ideal for **narrow trails or constrained terrain,** it places snow exactly where you need it.

Configurable for standard, marginal, or cold weather operations.



Axis W

Wide Coverage, Two Snow Piles

Water Nozzles	**4**
Nucleator Nozzles	**2**
Water Flow Stages	**1**

The W head mirrors the S head, which has 4 water nozzles and 2 nucleating nozzles, but with a wider nozzle layout that produces **two distinct snow piles.** This design was created for windy, narrow cat tracks.

Configurable for standard, marginal, or cold weather operations.

Manual
Hill Air

Our cost-effective manual solution for central air infrastructure that does not require any electrical power.

System Includes

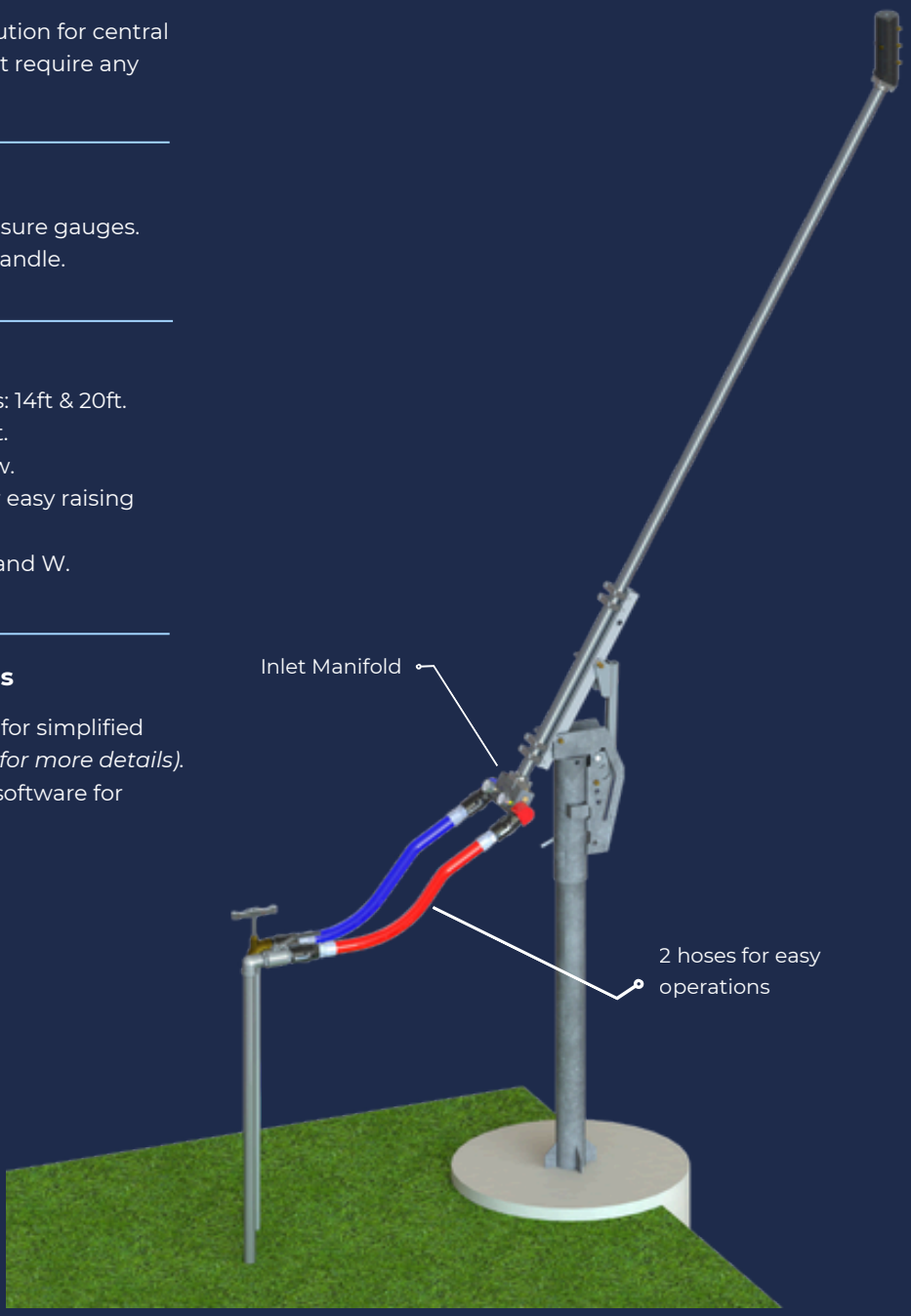
- Inlet manifold with pressure gauges.
- Simple On/Off control handle.

Specs

- Standard Boom Lengths: 14ft & 20ft.
  - Available in 5ft or 10ft.
- On/Off water and air flow.
- Newly designed Jack for easy raising and lowering.
- Head options: Axis S, N, and W.

Additional Customizations

- Add on our EZ Hydrant for simplified operations *(see page 8 for more details)*.
- Pair with SmartSnow7 software for machine mapping.



Manual
Compressor

Our best manual solution for operations without hill air or with high water pressure (600+ psi).

System Includes

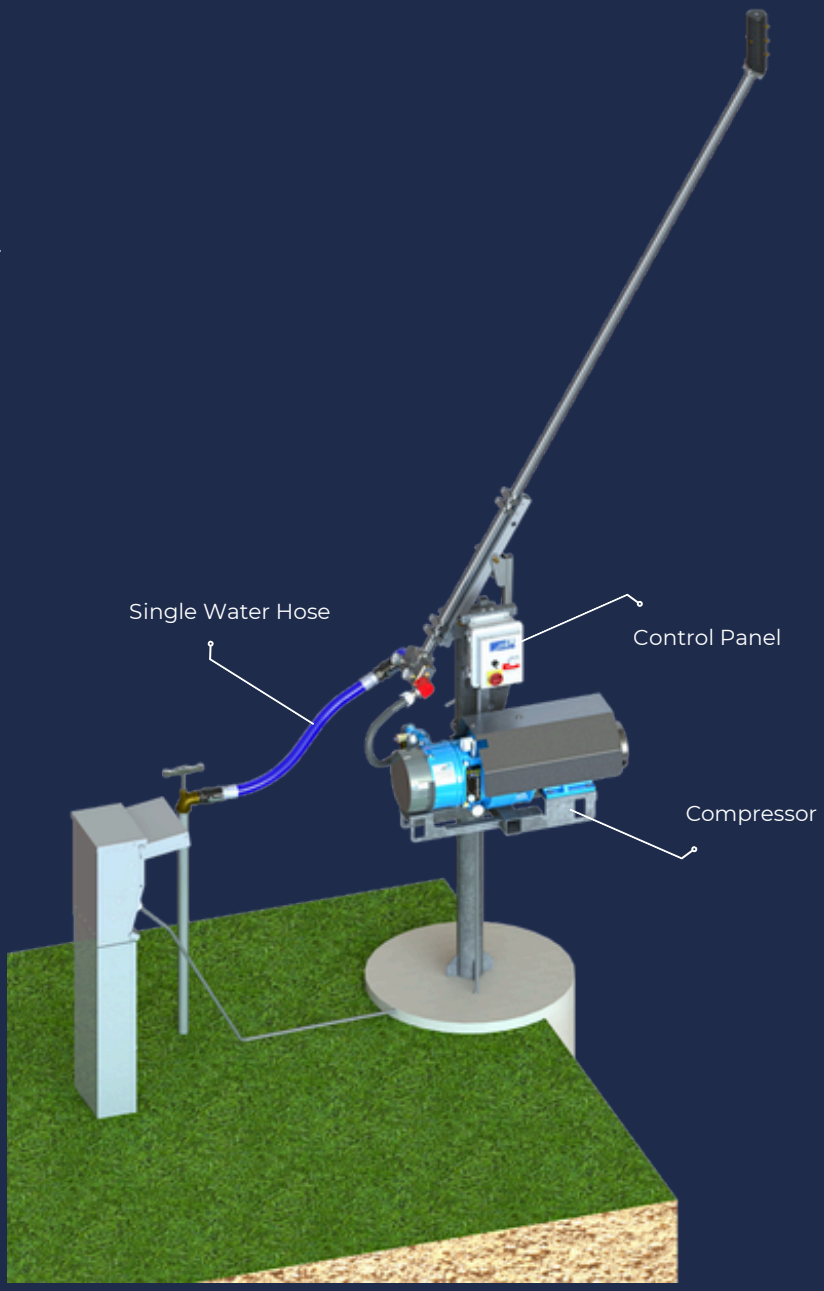
- On board compressor.
- Inlet manifold to easily monitor water and air pressure.
- Easy-to-use on/off control panel.

Specs

- Standard Boom Lengths: 14ft & 20ft.
  - Available in 5ft or 10ft.
- On/Off water flow step.
- Compressor options: 5, 7.5, and 10 HP.
- Newly designed Jack for easy raising and lowering.
- Head options: S, N, and W.

Additional Customizations

- Add on our EZ Hydrant for simplified operations *(see next page for more details).*
- Pair with SmartSnow7 software for machine mapping.



Manual

Upgrades and Highlights

EZ Hydrant

The EZ Hydrant is particularly beneficial for seasonal crews and operations with high turnover, as it emphasizes safety and efficiency during manual operations. It can be added to any manual configuration and is designed for secure air and water connections.

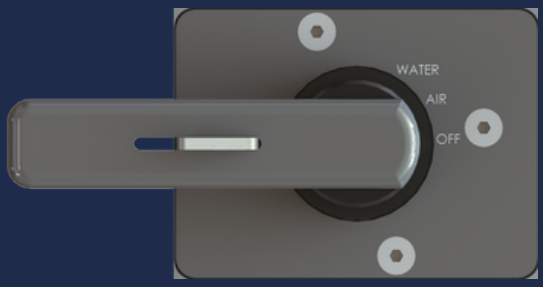
A single handle makes for seamless movement between air and water functions.

System Includes

- **Single Handle Operations**- Control water and air stages with ease.
- **Integrated Water Filter**- Ensures clean water and reduces maintenance needs.
- **Quick-Release Mechanism**- Easy detachment for removal or maintenance.
- **Self-Draining System**- minimizes water retention, promoting safety and operational efficiency.

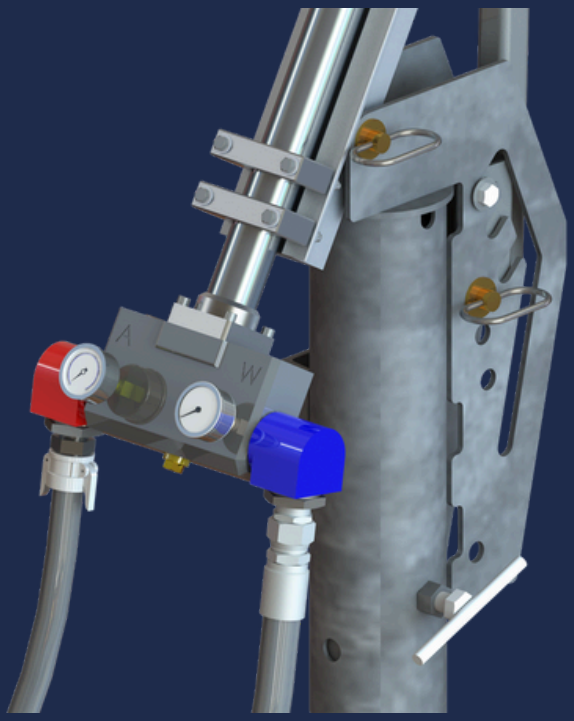
Specs

- Handle heights: 4ft and 8ft.
- Integrated water strainer.
- Quick release for easy removal of hydrant.
- Optional heater.
- Suits any manual configuration.
- Designed to prioritize snowmaker safety.





Manual
Highlights



INLET MANIFOLD

Each configuration comes equipped with an inlet manifold featuring air and water gauges. Operators can easily monitor pressure and shut the system on or off as needed.



JACKLESS TOWER

Our Axis Jack has been redesigned for easier raising and lowering.

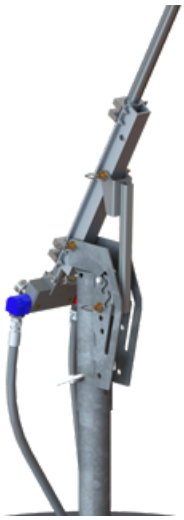
**Available for older stick models*

Mobile Mounts & Towers



M-Series Chassis

- Best for towing with two wheels for easy transport.
- Optional Snowcat lifting brackets.
- 3 jacks provide a stable setup on uneven terrain.
- Compatible with 5ft, 10 ft, 14ft, 20ft booms.



Jackless Tower

- 5 pin positions.
- Robust boom design - doesn't get damaged in rough conditions.
- Compatible with 14ft and 20ft booms.



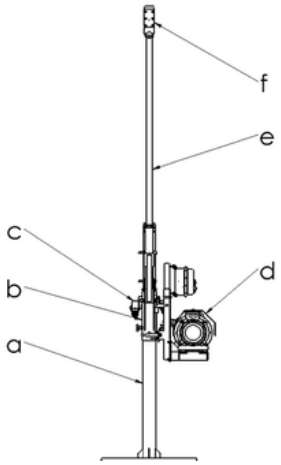
Echo Sled

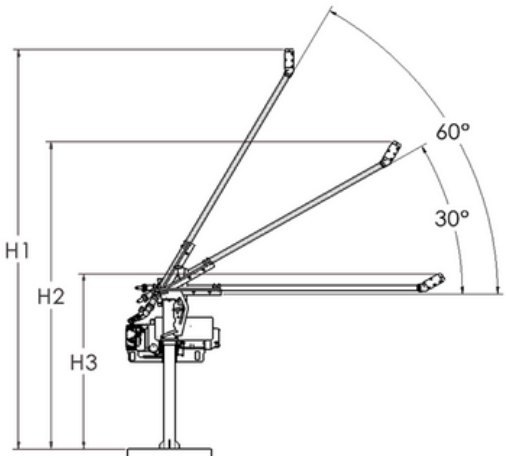
- Works with both hill air and compressor systems.
- Jacks and a tow bar are included for stability and towing.
- 14ft maximum boom height capacity.

Axis
Specs

Operating Pressure (psi)	
Min	200
Max	850

Boom Heights (inches)					
		5 ft	10 ft	14 ft	20 ft
H1	60 deg	126	178	230	288
H2	30 deg	110	145	180	212
H3	lowered	72	72	72	72





			AXIS	AXIS NT
Weight (lbs)	a	Base Tube	94	94
	b	Tower	46	46
	c	Swivel Block	12	12
	d	Compressor (5 HP Hydrovane)	225	225
	d	Compressor (10 HP Hydrovane)	370	370
	d	Compressor (5 HP Atlas Copco)	170	170
	d	Compressor (7.5 HP Atlas Copco)	260	260
	e	5 ft Boom	20	20
	e	10 ft Boom	31	31
	e	14 ft Boom	37	37
	e	20 ft Boom	47	47
	f	Head	19	19
Nozzle Config		Number of Water Nozzles	4	2
		Number of Nucleator Nozzles	2	1
		Water Flow Stages	1	1
		Air Flow Stages	1	1

SMI Snow Makers

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Ready to start? Let’s build your system.

Snow Machines Inc.
www.snowmakers.com
1512 Rockwell Dr, Midland, MI 48642
P : 1 (989) 631 -6091

TELEMET
Efficiency Through Simplicity™

Advice, spare parts and service

Telemet · Office in Chile

Los Canteros 8723, La Reina, Santiago 7880414, Chile

Phone +56 22 356 2735

info@telemet.com

telemet.com