



# Innovative Options For M-B Runway Brooms

## Snowshed hood

Hydraulically actuated second hood over existing hood for removing accumulated snow weight off of broom head for improved brush pattern consistency. Eliminates downtime shoveling and can be done while sweeping.

- Simple, electric over hydraulic controls with lift and stow switch in cab.
- Polyethylene skin with welded steel frame covering the hood.
- 100 Degree front pivoting lift with 2 cylinders, one on each end.
- Easily retrofitted to your existing 46 inch diameter M-B broom.



## FOD / Debris Box

Self supporting "dust pan" in front of the broom for sweeping sand, FOD, debris and virtually anything at speeds up to 40 MPH. Utilizes your M-B broom even in the non-winter months, making valuable use of your capital investment.

- Self supporting with four standard broom caster wheels thus no weight on the broom head affecting brush pattern.
- Simple, electric over hydraulic controls coordinated with broom joystick. Separate switch for dumping of the box.
- Easily attaches to many configurations of M-B runway brooms.
- Three positions: Transport, Pick-up, Dump (90 degrees).
- 100 cubic feet = 3 yards of total volume for 18' broom.
- 7500 lbs capacity for 18' broom = 2 yards of wet sand.



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## Wafer Bristle Configurations

**All Poly:** Each wafer separated with a spacer, all 8 pound poly wafers.

(PSPS...SPSP) Cost factor = 1

**50-50 Poly / Wire:** Each wafer separated by a spacer, alternating 8 pound poly wafer and 10 pound wire wafer.

(PSWS...SWSP) Cost factor =1.1

**All wire:** Each wafer separated with a spacer, all 10 pound wire wafers. Poly at ends.

(PSWSWS...SWSWSP) Cost factor = 1.2

**Dense Pack:** Each pattern separated by a spacer, alternating 8 pound poly wafer and two 13 pound wire wafers.

(PSWWSPSWWS...SWWSPSWWSP) Cost Factor =1.9

## Cassette Bristle System

- Cores made of heavy duty tubular steel skeleton construction with aluminum rails bolted to the skeleton structure.
- 28 rows for maximum snow moving capabilities and complete or full bristles around the entire circumference.
- All poly cassette bristle. Cost Factor = 2.7
- All wire cassette bristle. Cost Factor = 3.3



## Lesser Items

- Ether starting system.
- Plug in (weatherproof) engine immersion block heater, 1250 watt, 120 V.
- Plug in (weatherproof) hydraulic oil tank heater.
- Spare broom core assemblies (2 sections) in order that the cores can be preloaded with new wafers for quick change during snow operations.
- Set of 4 broom carts for easy broom core loading.
- Broom speed tachometer with broom hydrostatic pressure gauge.
- UCC system for hydrostatic diagnostics for broom and blower circuits. Includes one sensor and diagnostic tool.

## Upgrade and Rebuilds of Existing Units

- Complete new high performance broom head from chassis frame rails forward. Eliminates bounce and improves performance
  - Free floating weight transfer broom hitch for improved chassis handling bristle presentation.
  - High torque broom core drive for no vibration and tight aligned system.
  - Scoop hood for improved snow casting efficiency.
  - Utilizes existing broom engine, broom pump, and air blower system. New broom control valve.
- Complete new high performance broom package including broom engine, broom head and air blower system.



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