



**TOWN OF
PELHAM, N.H.
PLOW EQUIPMENT
PROPOSAL**



April 8th 2016
Town of Pelham, N.H.
Attn: Frank Ferriera

Dear Mr. Ferriera,

Tenco Industries is pleased to offer you the following equipment for your consideration;

1. **H345-FW-R-**, heavy duty front hitch, with right side wing attachment.
2. **FFH48-R**, fully hydraulic front wing post with 48" of travel available.
3. **FRH36-R**, shelving rear wing post with 36" of travel available.
4. **KB03**, 17" wing arms, with a heavy duty rear float attachment.
5. **TCW-10H-38** heavy duty shelving wing, 7 ga. Moldboard, fixed hinge, heavy duty 17" wing arms with rear floating adapter and mild steel cutting edge.
6. **TCP-11-S-42-E2-HA2**, heavy duty trip edge plow with a 42" 10 ga. Steel moldboard, cable sheave lift system, rubber deflector and a mild steel cutting edge.
7. The hydraulic system includes a front mount Rexroth 74cc load sense hydraulic pump with a low oil shut down and a low hydraulic alarm, Walvoil seven, (7), section valve with Walvoil cable controls, a Freedom 2.2 electronic sander control, a 40 gallon frame mount hydraulic tank, #304 stainless steel hydraulic tubing to the front and rear of the truck and under the body, quick disconnect fittings for all removable attachments.
8. Lighting system to include Fisher Halogen plow lights, Whelen LED cab shield strobes, four Whelen LED Amber strobes mounted in rear corner posts, LED Stop, directional and back-up lights, LED marker lights, LED work lights mounted on the spinner, wing, feed box and two in the rear.
9. **TCB-10-T-NL-C-NL-LF**, TENCO #304 stainless steel All-Season body. The body includes; 1/4" AR-450, 205,000 psi, Hardox steel in the floor, #304 stainless steel in the tailgate, sides and front, 24" cab shield, air actuated tailgate, double acting body hoist, full extended grease package, manual feed gate, 3/4" plate with 20 ton pintle hook, D-Rings and electrical plug, connect glad hands, safety step fold-up ladder, inner body step and handle, shovel holder, poly wheel covers over rear duals, two sets of mud flaps with anti-sail brackets on the front pair, the body will be undercoated.

Your price for the above equipment on a chassis provided by
Liberty International is **\$65,550.00.**



All equipment is professionally installed and supported by Tenco's factory trained parts and service staff.

TENCO products are warrantied for 24 months against manufacturing defects. This does not include wear parts. Non-Tenco products are subject to their manufacturer warranties.

Chassis must be delivered in a manner which allows the above listed equipment to be installed without modification to the chassis.

All prices and freight are F.O.B. Barre, VT.

Thank you for the opportunity to quote,

Greg Murray

Greg Murray
Sales Representative
Tenco New England Inc.

I, _____, as a representative of

_____, accepts the quotation listed above.

Signature



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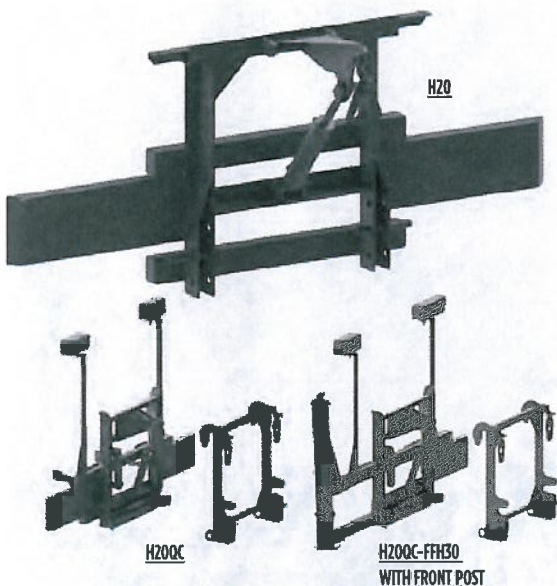


*Manufacturer and distributor of
snow removal and de-icing equipment*



*The brand of quality
— **SINCE 1976** —*

DESIGNED TO HANDLE THE MOST DEMANDING OF NEEDS



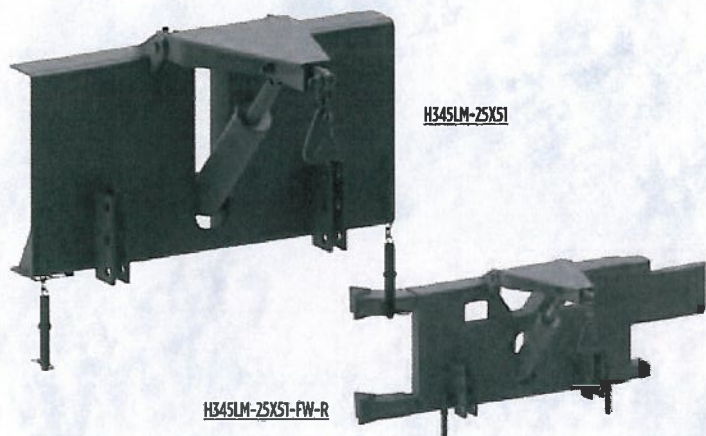
H20 HITCH

LOW-PROFILE HITCH FOR LIGHT TRUCKS ONLY*

- Tubular steel construction to endure severe snow removal conditions
- Mounts close to chassis to reduce stress on front axle
- Stress created from snow plowing operations is transmitted back along the chassis frame rails to reduce pressure on hitch and from axle

*Ensure the capacity of axles

MODEL NUMBER	WEIGHT	CABLE FRONT POST	HYDRAULIC FRONT POST
H20 - Basic	300 lbs	-	-
H20-FFH30 - With Front Post	500 lbs	-	✓
H20QC - Quick Detach	600 lbs	-	-
H20QC-FFH30 - With Front Post	700 lbs	-	✓

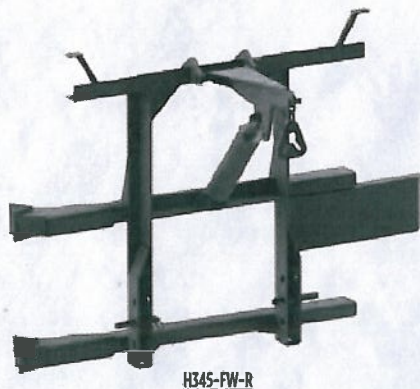


H345LM HITCH

LOW-PROFILE HITCH DESIGNED FOR ALL CHASSIS EXCEPT 4 x 4s

- Low mount style hitch that enables the truck hood to be tilted forward at all times without having to detach hitch or plow
- For safety, cylinder and lift arm can be tucked within the hitch when plow is detached
- Utilizes 4" diameter x 10 1/2" stroke double acting lift cylinder with nitrated piston rod

MODEL NUMBER	WEIGHT	CABLE FRONT POST	HYDRAULIC FRONT POST
H345LM-25x51 - Basic	450 lbs	-	-
H345LM-25x51-FW-R - With right wing attachment	600 lbs	-	✓



H345 HITCH

DESIGNED FOR ALL CHASSIS

- Rugged elevated style hitch with built-in steel bumpers
- Recommended whenever a chassis is to be equipped with a combination front plow and side wing system
- Complete hitch (and side wing post if applicable) can be easily tilted forward through the removal of two (2) pins - allows the truck hood to open
- Front wing post is supported by two (2) 5" x 3" x 3/8" rectangular steel tubes and 4" x 3" x 3/8" angle iron

MODEL NUMBER	WEIGHT	CABLE FRONT POST	HYDRAULIC FRONT POST
H345 - Basic	525 lbs	-	-
H345-FW-R - Right wing attachment	575 lbs	✓	✓
H345-FW-FW - Right and left wing attachment	635 lbs	✓	✓

H345QC HITCH

DESIGNED FOR ALL CHASSIS

- Quick coupler system that offers several advantages over conventional type hitches
- Connect / disconnect snow plow through activation of lift cylinder – the operator does not have to leave cab
- Secure plow hitch through lower hydraulic locking pin
- Hinged upper section of QC hitch can be hydraulically lowered from the cab to enable truck hood to tilt forward



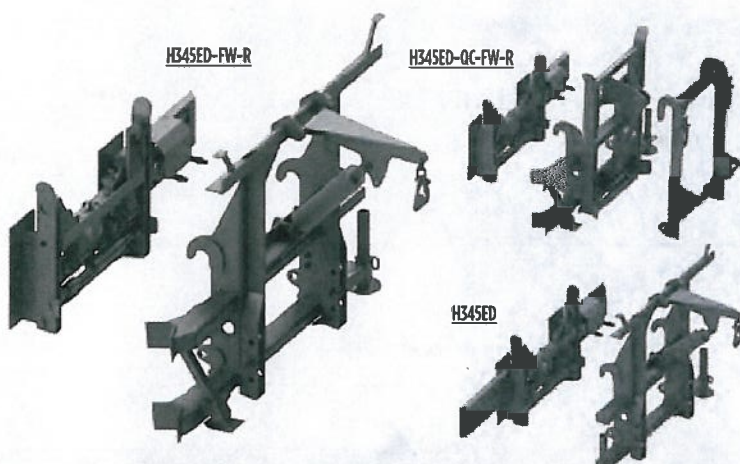
H345QC-FW-R

MODEL NUMBER	WEIGHT	CABLE FRONT POST	HYDRAULIC FRONT POST
H345QC - Basic	1150 lbs	-	-
H345QC-FW-R - Right wing attachment	1200 lbs	✓	✓
H345QC-FW-FW - Right and left wing attachment	1200 lbs	✓	✓

H345ED HITCH

DESIGNED FOR ALL CHASSIS

- Easy to detach plow and wing



H345ED-FW-R

H345ED-QC-FW-R

H345ED

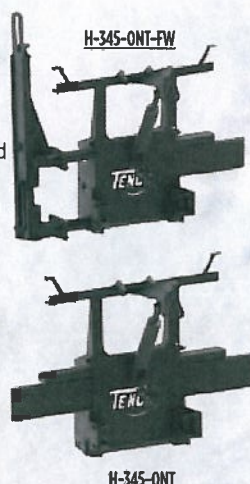
MODEL NUMBER	WEIGHT	CABLE FRONT POST	HYDRAULIC FRONT POST
H345ED - Basic	1150 lbs	-	-
H345ED-FW-R - Right wing attachment	1200 lbs	✓	✓
H345ED-QC-FW-R - Quick Detach with right wing attachment	1625 lbs	✓	✓

H345ONT HITCH

DESIGNED FOR ALL CHASSIS

- Rugged hydraulic hitch with built-in steel bumpers
- Recommended whenever a chassis is to be equipped with a combination from plow and side wing system
- Complete hitch (and wing post if applicable) can be easily tilted forward using two (2) hydraulic cylinders
- Pivot pin with front greasing point to allow for easy maintenance

MODEL NUMBER	WEIGHT
H-345-ONT-FW - With wing attachment	1150 lbs
H-345-ONT - No wing attachment	1050 lbs



H-345-ONT-FW

H-345-ONT

"H-CUS" HITCH

H-CUS CUSTOM TILT-OVER HITCH

- Several versions of this custom designed hitch are available for installation onto specific chassis
- Built-in side plates form an integral part of the hitch – engineered for rapid mount to truck frame
- Low mount arrangement enables chassis hood to tilt forward at all times

MODEL NUMBER	WEIGHT
TCH345CU-NA-LT-E	685 lbs
HCUSEXT-I-IN2	850 lbs
TCH345CU-NA-LT-F-ST	900 lbs

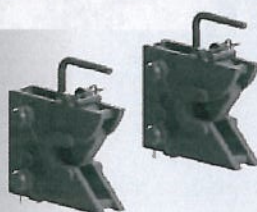


TCH345CU-NA-LT-F-ST

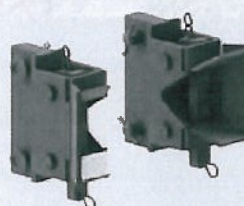
HCUSEXT-I-IN2 COMPLET

Available without cheek plates upon request

HITCH OPTIONS



TENCOLOC HITCH SIDE



QUICK TACH HITCH SIDE



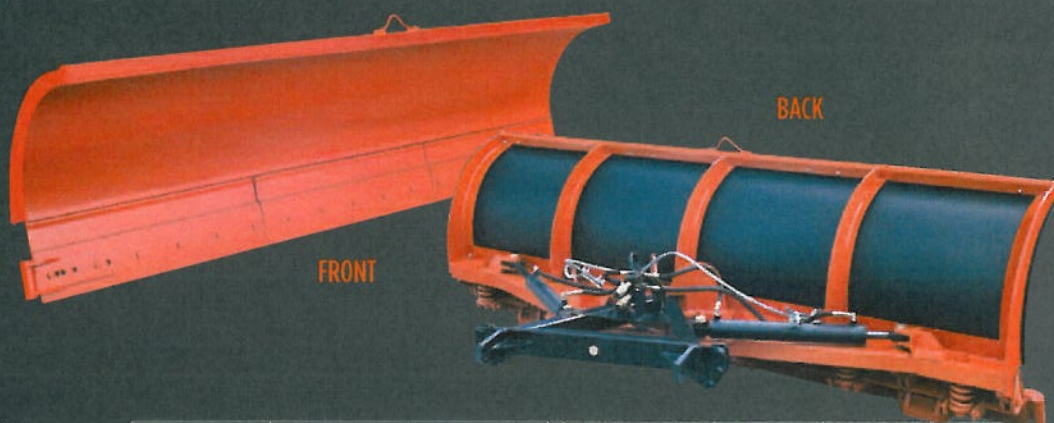
HYDRAULIC TILT

POSSIBILITIES THAT ARE VIRTUALLY UNLIMITED

MEDIUM DUTY TRIP EDGE REVERSIBLE PLOW

IDEAL FOR URBAN USE, INCLUDING PARKING LOTS, ALLEYS, ETC.

- Available in steel or weight saving Tenelene.
- Lightweight design makes it ideal for operating with low GVW type chassis.
- Reversible plow can be rapidly transferred to 1, 2 or 3 section bottom trip edge as required. Adjustment necessitates simple attaching/detaching of 2 bolts.
- 2 curb shoes and 2 moldboard shoes are standard.



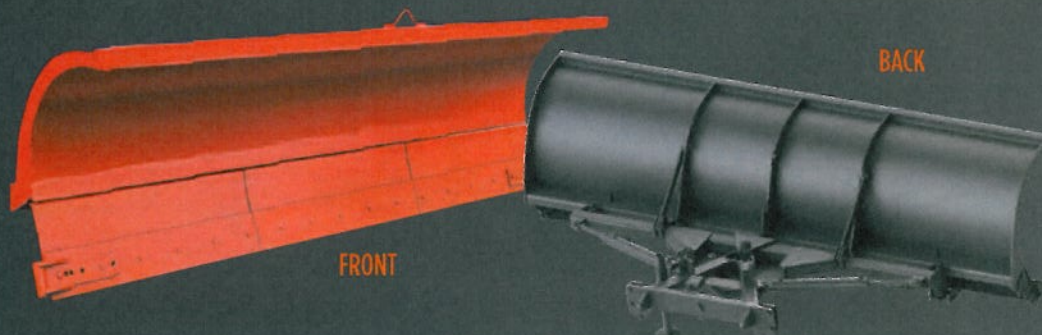
MODEL NUMBER	MOLDBOARD MATERIAL	CLEARING PATH	CUTTING EDGE	OVERALL LENGTH	OVERALL HEIGHT	WEIGHT
TCP-9T-36-E1	.300 Tenelene	7' 10"	5/8" x 6" x 108" (*)	9'	36"	1150 lbs
TCP-10S-36-E1	10 ga. steel	8' 8"	5/8" x 6" x 120" (*)	10'	36"	1320 lbs
TCP-10T-36-E1	.300 Tenelene	8' 8"	5/8" x 6" x 120" (*)	10'	36"	1270 lbs
TCP-11S-36-E1	10 ga. steel	9' 6"	5/8" x 6" x 132" (*)	11'	36"	1700 lbs
TCP-11T-36-E1	.300 Tenelene	9' 6"	5/8" x 6" x 132" (*)	11'	36"	1600 lbs

(*) Cutting Edge is in 3 sections

HEAVY DUTY TRIP EDGE REVERSIBLE PLOW

IDEAL FOR URBAN AND RURAL USE

- Available in steel or weight saving Tenelene.
- Designed for extreme snow removal operations.
- Unique bottom section trip edge design permits fast spring tension adjustment and replacement.
- Compression spring design offers superior safety as compared to other makes of bottom trip edge plows which utilize a pre-torqued torsion type spring system.
- Moldboard curvature designed to reduce snow blow back during high speed operations.
- Moldboard pitch adjustment.



MODEL NUMBER	MOLDBOARD MATERIAL	CLEARING PATH	CUTTING EDGE	OVERALL LENGTH	OVERALL HEIGHT	WEIGHT
TCP-10-S-42-E4-HA2	10 ga. steel	8' 8"	5/8" x 6" x 120" (*)	10'	42"	2000 lbs
TCP-10-T-42-E4-HA2	.300 Tenelene	8' 8"	5/8" x 6" x 120" (*)	10'	42"	1990 lbs
TCP-11-S-42-E4-HA2	10 ga. steel	9' 6"	5/8" x 6" x 132" (*)	11'	42"	2080 lbs
TCP-11-T-42-E4-HA2	.300 Tenelene	9' 6"	5/8" x 6" x 132" (*)	11'	42"	2065 lbs
TCP-12-S-42-E4-HA2	10 ga. steel	10' 5"	5/8" x 6" x 144" (*)	12'	42"	2150 lbs
TCP-12-T-42-E4-HA2	.300 Tenelene	10' 5"	5/8" x 6" x 144" (*)	12'	42"	2130 lbs
TCP-14-S-42-E4-HA2	10 ga. steel	12' 1"	5/8" x 6" x 168" (*)	14'	42"	2370 lbs
TCP-14-T-42-E4-HA2	.300 Tenelene	12' 1"	5/8" x 6" x 168" (*)	14'	42"	2350 lbs

(*) Cutting Edge is in 3 sections

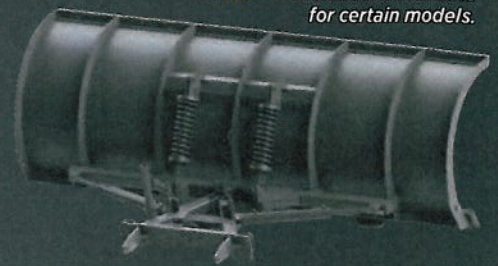
FKC REVERSIBLE SNOW PLOW WITH "C" SHAPED MOLDBOARD

EXCEPTIONAL MOLDBOARD CONTOUR
FOR EFFECTIVE SNOW REMOVAL AT ALL
FLOWING SPEEDS

- Unequal moldboard support structure permits snow clearing operations in the most severe conditions, including high snowfall accumulation roadways.
- Full moldboard safety trip mechanism – upon encountering road obstructions, the complete moldboard extends forward through 2 trip arm assemblies.
- Each trip arm utilizes a heavy duty compression spring, forcing the moldboard to return to its original plowing position after passing the road obstruction.



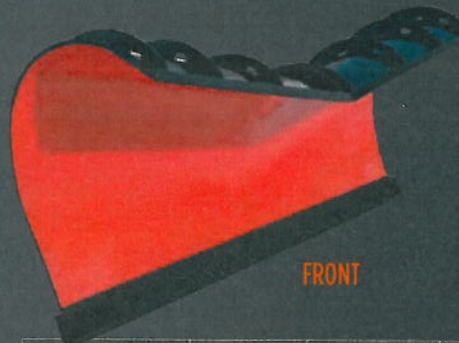
FRONT



BACK

OPTION
Stainless steel
moldboard available
for certain models.

MODEL NUMBER	MOLDBOARD MATERIAL	CLEARING PATH	CUTTING EDGE	OVERALL LENGTH	OVERALL HEIGHT	WEIGHT	# OF RIBS
TCP-10-S-42-FKC	10 ga. steel	8' 8"	5/8" x 6" x 120"	10'	42"	2136 lbs	8
TCP-11-S-42-FKC	10 ga. steel	9' 6"	5/8" x 6" x 132"	11'	42"	2209 lbs	8
TCP-12-S-42-FKC	10 ga. steel	10' 5"	5/8" x 6" x 144"	12'	42"	2282 lbs	8
TCP-14-S-42-FKC	10 ga. steel	12' 1"	5/8" x 6" x 168"	14'	42"	2478 lbs	10



FRONT



BACK

EXPRESS WAY TYPE REVERSIBLE PLOW

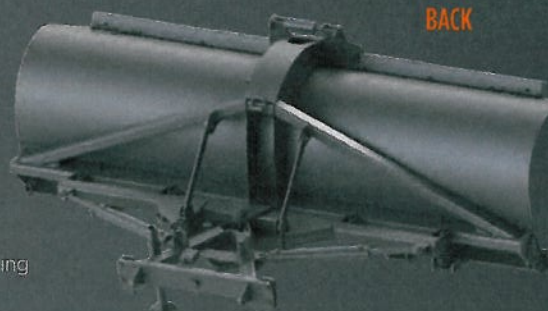
IN ADDITION TO ALL THE ADVANTAGES
OF A "C" SHAPED MOLDBOARD,
THIS SNOWPLOW OFFERS
SUPERIOR SNOW CASTING

MODEL NUMBER	MOLDBOARD MATERIAL	CLEARING PATH	CUTTING EDGE	OVERALL LENGTH	OVERALL HEIGHT	WEIGHT	# OF RIBS
TCP-11-X-FK-HA2	10 ga. steel	9' 6"	5/8" x 6" x 132"	11'	42" center/ 54" ends	2200 lbs	7
TCP-12-X-FK-HA2	10 ga. steel	10' 5"	5/8" x 6" x 144"	12'	42" center/ 56" ends	2280 lbs	7
TCP-14-X-FK-HA2	10 ga. steel	12' 1"	5/8" x 6" x 168"	14'	42" center/ 60" ends	2420 lbs	7

"TWIST AND SHOOT" REVERSIBLE PLOW

COMBINES ALL THE ADVANTAGES
OF A ONE-WAY PLOW AND
A REVERSIBLE PLOW

- Weight saving Tenelene moldboard.
- Unique design permits utilization at any plowing speed and in every type of snow clearing condition.
- Adjust shape of moldboard according to climatic conditions:
 - One way profile for right side discharge and superior snow casting.
 - One way profile for left side discharge and superior snow casting.
 - Consistent moldboard height for right or left side discharge.



BACK



Right discharge



Left discharge

MODEL NUMBER	MOLDBOARD MATERIAL	CLEARING PATH	CUTTING EDGE	OVERALL HEIGHT	NOSE HEIGHT	DISCHARGE HEIGHT	WEIGHT
TCP-11-V-E4-HA2	.300 Tenelene	9' 6"	5/8" x 6" x 132"	49 1/4"	34"	48"	2450 lbs
TCP-12-V-E4-HA2	.300 Tenelene	10' 5"	5/8" x 6" x 144"	49 1/4"	35"	49"	2650 lbs

UNBEATABLE IN SNOW

At Tenco, we've been building snowplows for close to 40 years. Ambassadors in our field, we've created a product with unique features that offer the kind of efficiency our competitors just can't match. Designed for high-speed snow clearing, Tenco's one-way plow casts snow even further.

Advantages of Tenelene moldboards:
non-corrosive material
and a slick surface to prevent
snow from adhering to plow

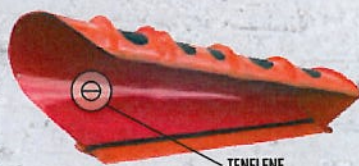
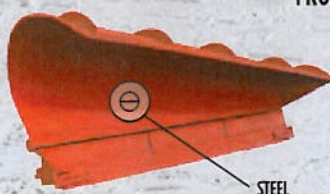


FEATURES

(Standard on all One Way Plow)

- Roll formed moldboard for better snow dispersal
- Increased curvature along upper section to minimize snow blow back
- Cutting edge supported by sturdy backer angle
- Adjustable moldboard pitch
- Drive frame designed to withstand the rigors of severe snow removal conditions
- Safety caps on compression springs – full moldboard trip models only
- Height adjustable drive frame shoes

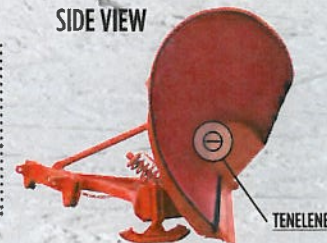
FRONT VIEW



BACK VIEW



SIDE VIEW



NEW MODEL NUMBER	MOLDBOARD MATERIAL	CLEARING PATH	INTAKE HEIGHT	DISCHARGE HEIGHT	WEIGHT
ONE WAY FULL MOLDBOARD TRIP PLOW					
TCO-10T-47-SR-ST	.300 Tenelene	9' 2"	26"	47"	980 lbs
TCO-11S-55-SR-ST	10 ga. steel	9' 3"	30"	55"	2400 lbs
TCO-11T-55-SR-ST	.300 Tenelene	9' 3"	30"	55"	2400 lbs
TCO-11S-63-SR-ST	10 ga. steel	9' 3"	34"	63"	2450 lbs
TCO-11T-63-SR-ST	.300 Tenelene	9' 3"	34"	63"	2450 lbs
TCO-11S-66-SR-ST	10 ga. steel	9' 3"	38"	66"	2650 lbs
TCO-11T-66-SR-ST	.300 Tenelene	9' 3"	38"	66"	2640 lbs
TCO-12S-63-SR-ST	10 ga. steel	10' 3"	32"	63"	2580 lbs
TCO-12T-63-SR-ST	.300 Tenelene	10' 3"	32"	63"	2550 lbs
TCO-12S-68-SR-ST	10 ga. steel	10' 3"	36"	68"	2720 lbs

ONE WAY BOTTOM TRIP EDGE PLOW

TCO-11S-57-E2R-HA2	10 ga. steel	9' 3"	33"	57"	2500 lbs
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AVAILABLE PLOW OPTIONS

- Carbide cutting edge
- Rubber deflector
- Screw adjustable drive frame shoes
- Tencoloc swivel bar
- Quick tach swivel bar
- Stainless steel moldboard available for certain models

OPENING THE DOOR TO A WORLD OF POSSIBILITIES

Wing moldboards are available in steel or corrosion resistant Tenelene material

FRONT SIDE WING SYSTEM



- Side wing moldboards are supported by 3/8" thick full height steel ribs.
- 4" x 6" x 5/8" thick steel backer angle makes the wing ideal for use in the most severe snow removal conditions.
- Lead section of wing moldboard includes a 1" thick steel plate for attachment to front post hinge.
- Upper and lower push arms attach to moldboard through a floating adapter to allow the wing to follow the contours of the road surface.

MID MOUNT SIDE WING SYSTEM

Maneuver with precision

A side wing is an easy addition to any chassis already equipped with a standard dump body, conventional spreader or combination dump body/spreader. Tenco's dual lift design—through a cylinder in the front post and the rear push arm lift cylinder—offers superior control and greater precision when raising or lowering the wing.



Extendable lower push arms available as an option

REAR SIDE WING SYSTEM

Increase total clearing width

Easily adaptable to fit the trucks in your existing fleet, the rear mount side wing is an excellent addition to an underbody scraper that acts like a scraper extension.



WING TRAVEL POSITIONER: A virtually indispensable option

A wing travel positioner increases the driver's field of vision by tucking under the passenger window when not in use, and reduces the risk of accident.



MODEL NUMBER	MATERIAL	CUTTING EDGE LENGTH	OVERALL LENGTH	NOSE HEIGHT	DISCHARGE HEIGHT	WEIGHT
TCW-9T-30-N-R*	.300 Tenelene	9'	10'	24"	30 1/2"	375 lbs
TCW-11T-30-N-R	.300 Tenelene	11'	12'	24"	30"	460 lbs
TCW-9S-37-N-R	10 ga. steel	9'	10'	32"	37"	780 lbs
TCW-9T-37-N-R	.300 Tenelene	9'	10'	32"	37"	790 lbs
TCW-10H-38-N-R	0.188" steel	10'	11'	32"	38 1/2"	910 lbs
TCW-10T-38-N-R	.300 Tenelene	10'	11'	32"	38 1/2"	920 lbs
TCW-11H-39-N-R	0.188" steel	11'	12'	32"	39 1/2"	990 lbs
TCW-11T-39-N-R	.300 Tenelene	11'	12'	32"	39 1/2"	950 lbs
TCW-12H-40-N-R	0.188" steel	12'	13'	32"	40 1/2"	1040 lbs
TCW-12T-40-N-R	.300 Tenelene	12'	13'	32"	40 1/2"	1050 lbs
TCW-14H-42-N-R	0.188" steel	14'	14' 10"	32"	42 1/2"	1167 lbs

* Model TCW-9T-30-N-R Tenelene wing moldboard to suit low pro style chassis* can only be used in combination with H20 front post and FAF3LP rear post assembly.

OPTION : stainless steel moldboard available for certain models.

TACKLE THE TOUGHEST TASKS

900 SERIES UNDERBODY SCRAPER

Every component of the 900 Series scraper has been meticulously designed to withstand the most severe road maintenance tasks encountered year round.

- 1" thick one-piece unnotched rotating plate
- Lift cylinder/trip spring canisters are retained by 8 1/4" x 8 1/4" 4-bolt flanges
- Two (2) 4" diameter double acting reverse cylinders are protected by a cross-over relief valve
- Reversing cylinders are attached to rotating plate through 2" pivot pins
- Safety mechanism

NEW MODEL NUMBER	MOLDBOARD LENGTH	MOLDBOARD THICKNESS	MOLDBOARD HEIGHT	CUTTING WIDTH AT 45°	WEIGHT
TCU-910-T-K-RH	10'	1"	20"	7' 1"	1950 lbs
TCU-911-T-K-RH	11'	1"	20"	7' 9"	2050 lbs
TCU-912-T-K-RH	12'	1"	20"	8' 6"	2150 lbs



700 SERIES UNDERBODY SCRAPER

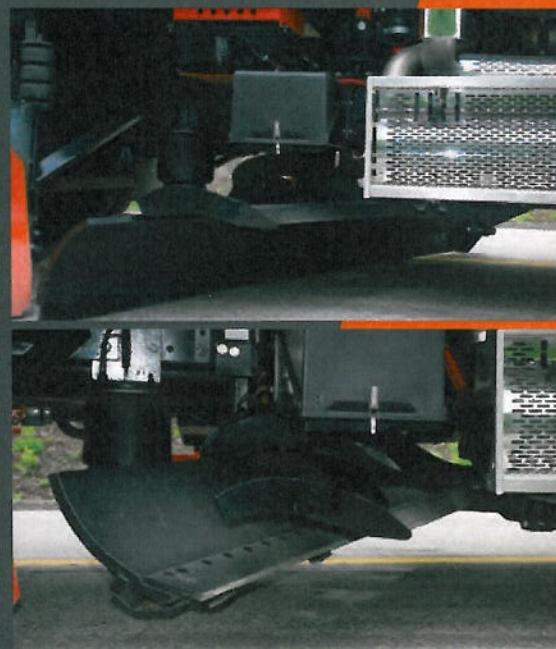
(one way underbody scraper with air springs)

For operator safety, a dual air bag system cushions the impact upon encountering road obstructions. Independently controls the pressure of each air bag for maximum efficiency when scraping hard packed snow and ice – especially on uneven road surfaces.

The result of continual innovation in underbody scraper technology!

- In-cab control console provides a unique air springs down pressure adjustment mechanism and is included with the underbody scraper.
- Cutting edge is supported by a boxed section consisting of two (2) 3/8" thick formed Brinell 400 steel plates and a 1 1/4" X 4 1/4" flat bar.
- Scraper is raised and lowered through a 2 1/2" diameter x 9" stroke double acting cylinder.
- 1" thick moldboard is supported by seven (7) 5/8" thick Brinell 400 steel plates.
- Ample ground clearance when scraper is in travel position.

NEW MODEL NUMBER	MOLDBOARD LENGTH	MOLDBOARD THICKNESS	MOLDBOARD HEIGHT	NUMBER OF RIBS	CUTTING WIDTH AT 45°	WEIGHT
TCU-711-T-P-FX	11'	1"	15"	7	119 5/8"	2080 lbs
TCU-712-T-P-FX	12'	1"	15"	7	130 1/2"	2180 lbs



TCU-311 SERIES UNDERBODY SCRAPER

- 25 degree angle
- 1/4" Brinell 450 blade
- 4 x 50 W reinforcement
- Floating down by chain
- Low maintenance
- Easy installation
- 2 triple convolution type air bags with strength right on cutting edge for better down force

NEW MODEL NUMBER	MOLDBOARD LENGTH	MOLDBOARD THICKNESS	MOLDBOARD HEIGHT	CUTTING WIDTH AT 45°	WEIGHT
TCU-311-T-P-X	11'	.25" / Hardox 450	15"	119 5/8"	1430 lbs



REAR SCRAPER ULTRA HEAVY-DUTY

- Hydraulic lift angle model to facilitate clearance
- 8' 4" clearing width
- Push frame consisting of two (2) 3 1/2" x 3 1/2" x 3/8" tubular levers, a 4" x 6" x 5/8" angle section and multiple strategically placed ribs
- Two (2) 4" x 12" x 1 1/2" hydraulic cylinders
- One (1) protection valve in the return line
- One (1) accumulator (nitrogen) for cushioning



ONE BODY, 2 DIFFERENT USES

Ideal for snow removal contractors and some municipalities, these super heavy duty spreaders slide easily into and out of an existing dump body to help you get the most out of your equipment.

*Slide-in Spreaders are available
in 201 and 304 stainless steel.*



Slide-in Spreaders, V-Box

MODEL NUMBER	WATER LEVER CAPACITY	HOPPER LENGTH	HOPPER WIDTH	SIDES HEIGHT	OVERALL HEIGHT	OVERALL LENGTH	OVERALL WIDTH	WEIGHT APPROX.*
TCD-10-54-AS	5.9' cu yds	10'	7'	54"	5' 2"	13' 2"	7'	2675 lbs
TCD-11-54-AS	6.5' cu yds	11'	7'	54"	5' 2"	14' 2"	7'	2845 lbs
TCD-10-63-AS	7.8' cu yds	10'	7'	63"	5' 11"	13' 2"	7'	2775 lbs
TCD-11-63-AS	8.6' cu yds	11'	7'	63"	5' 11"	14' 2"	7'	2945 lbs
TCD-12-63-AS	9.5' cu yds	12'	7'	63"	5' 11"	15' 2"	7'	3145 lbs
TCD-13-63-AS	10.3' cu yds	13'	7'	63"	5' 11"	16' 2"	7'	3315 lbs
TCD-14-63-AS	11.1' cu yds	14'	7'	63"	5' 11"	17' 2"	7'	3550 lbs
TCD-15-63-AS	11.9' cu yds	15'	7'	63"	5' 11"	18' 2"	7'	3685 lbs

*with chute

- 10 gauge steel hopper sides, tailgate and front panel.
- 3/16" thick steel conveyor section and floor.
- Fully welded steel construction.
- Optional top screens.
- D667X self-cleaning pintle chain.
- Optional 304 & 201 stainless steel construction throughout.
- Available cross conveyor, except on model TCD-2-AS.

SPREADERS THAT GO THE DISTANCE

XE Frame Mounted Spreaders

- Choose from a multitude of configurations – rear discharge, front discharge or front left and/or right side discharge utilizing a cross conveyor.
- Chain tension is through easily adjustable grease cylinder.
- Chute constructed from combination polyethylene and stainless steel to prevent rust.
- Spreader attached to chassis through Aeon rubber helper springs to reduce shock and vibration.
- Top screens and access ladder are standard components.
- 24" wide main conveyor D88K chain rated @ 49,000 lbs.
- 7.7 cu in main conveyor hydraulic motor.
- Side panel is gradually sloped to ensure smooth and uninterrupted flow of material onto main conveyor.
- Lowest center of gravity in spreader industry.
- Chain tension is easily adjusted through grease cylinder.
- Significant weight savings as compared to competitive versions of 12 cu yd spreaders.
- Modern engineering techniques ensures spreader shape eliminates potential stress points – spreader will last much longer than traditional designed sanders.



Fenders are also available in steel.

XE Model

AVAILABLE OPTIONS

- Various types of ladders, grab handles, lighting systems (including MTQ/QMT version).
- Automated spreader controllers.
- Pre-wet system including two (2) 300 litres (80 US gallons) liquid tanks.



Multiple lights options

Plastic fender & LED lights



12 urethane discs between spreader and chassis frame reduces vibration.



The unique Triflex three points mounting system

XD chassis mount spreader with rear tailgate and front lift hoist for dumping capabilities



- Hopper is provided with tailgate to enable removal of load upon completion of material spreading.
- Utilizes existing front lift telescopic hoist on truck to attach to spreader.
- Fully welded steel construction.
- Spreader also available in 304 stainless steel.
- Rear or front center discharge configurations.

XD Model



THE ONLY INTERCHANGEABLE MODEL ON THE MARKET

Quick cycle time to remove dump body from chassis and replace with this particular type of hopper spreader.

MODEL NUMBER	WATER LEVER CAPACITY	HOPPER LENGTH	HOPPER WIDTH	HAUTEUR DES CÔTES	OVERALL LENGTH*	OVERALL HEIGHT	OVERALL WIDTH WITH LADDER	WEIGHT APPROX.*	CAPACITY
TCD-10-56-XE	5.6' cu yds	10'	92"	56"	10'	77"	102"	3695 lbs	6.8 cu yds
TCD-10-56-XD	6.1' cu yds	10'	92"	56"	10'	77"	102"	4215 lbs	6.8 cu yds
TCD-12-56-XE	7.0' cu yds	12'	92"	56"	12'	77"	102"	4335 lbs	8.4 cu yds
TCD-12-56-XD	7.4' cu yds	12'	92"	56"	12'	77"	102"	4815 lbs	8.4 cu yds
TCD-14-63-XE	10.6' cu yds	14'	92"	63"	14'	79"	102"	4830 lbs	12.3 cu yds
TCD-14-63-XD	11.1' cu yds	14'	92"	63"	14'	79"	102"	5400 lbs	12.3 cu yds
TCD-16-63-XE	12.3' cu yds	16'	92"	63"	16'	79"	102"	5265 lbs	14.2 cu yds
TCD-16-63-XD	12.8' cu yds	16'	92"	63"	16'	79"	102"	5800 lbs	14.2 cu yds

*Height of spreaders includes screens | Weight of Slide-in Spreaders includes chute and V-box

VERSATILE, RELIABLE, AND MULTITASKING

Tenco's U-COMBO body combines all the features of a dump body and a spreader in one. Available in a range of models, the U-COMBO allows you to spread abrasive from both sides of the truck, as well as from the rear. With this type of body, switching from dump to spread mode is as easy as child's play.

- Unique body structure ensures consistent, uninterrupted material flow to main conveyor.
- The ability to spread material on both sides (front right or front left).
- The ability to spreading material from the rear or the front with easy control within the truck cab.
- The ability to carry a minimum of 200 gallons of liquid for the pre-treatment of roads.

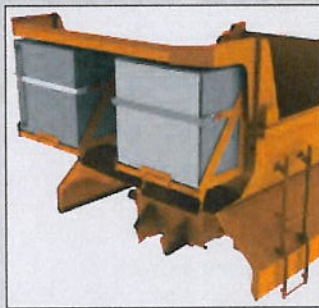
Available In Standard Mild Steel & Hardox 450 Steel.



AVAILABLE IN A MULTITUDE OF CONFIGURATIONS



Optional pre-wet liquid tanks* installed inside fenders for protection.



Optional pre-wet liquid tanks* installed below cabshield.



Main conveyor is driven through planetary drive mechanism utilizing a 10 cu in displacement motor and 2" diameter driveshaft.

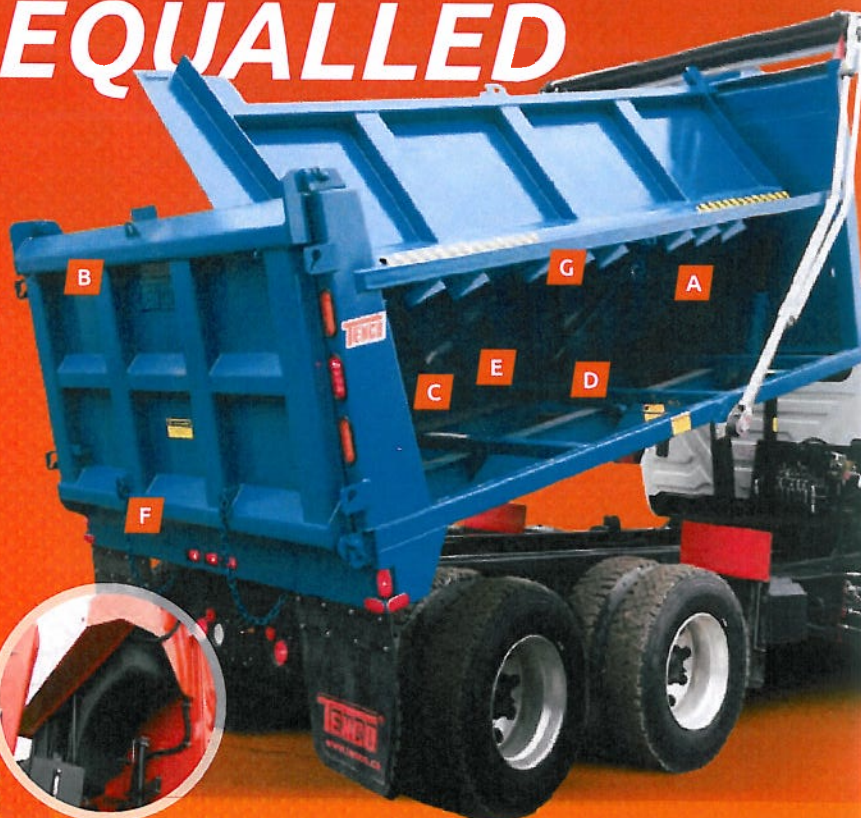


*Tanks are constructed from long lasting polyethylene material.

MODEL NUMBER	HOPPER LENGTH	OVERALL LENGTH	INSIDE WIDTH	SIDE HEIGHT	TAILGATE HEIGHT	WATER LEVER CAPACITY	WEIGHT
TCM-10-T	10'	10' 6"	91 5/8"	46"	52"	7.7 cu yds	4460 lbs
TCM-11-T	11'	11' 6"	91 5/8"	46"	52"	8.5 cu yds	4797 lbs
TCM-12-T	12'	12' 6"	91 5/8"	46"	52"	9.4 cu yds	5127 lbs
TCM-13-T	13'	13' 6"	91 5/8"	46"	52"	10.2 cu yds	5221 lbs
TCM-14-T	14'	14' 6"	91 5/8"	46"	52"	11.1 cu yds	5315 lbs
TCM-15-T	15'	15' 6"	91 5/8"	46"	52"	12 cu yds	5885 lbs
TCM-16-T	16'	16' 6"	91 5/8"	46"	52"	12.8 cu yds	6450 lbs

OFTEN IMITATED, BUT NEVER EQUALLED

- A** Floor strength ensures an even lift from side tilt cylinders. Eliminates the necessity of a 50/50 flow divider. Side tilt cylinders are equipped with a nitrated rod. Hinged conveyor cover remains with body at all times.
- B** Six (6) panel tailgate includes 3/16" thick Brinell 450 steel. Full width tailgate enables 12M body to undertake all dump body functions.
- C** Floor rotates on 1 3/4" hard induction chromed hinge shaft for superior strength.
- D** Long members of 10" I-Beam @ 25.4 lb/ft. STANDARDS.
- E** Bolt-on floor with 3 greasing points on single axle, 4 greasing points on tandem axle.
- F** Floor and conveyor cover is constructed from 3/16" thick Brinell 450 steel.
- G** Honeycomb type floor under structure creates a material shedding design.



PRE-WETTING
SYSTEM

OPTIONS

- Sides and front panel manufactured from Brinell 450 steel
- Aluminum tailgate
- Electronic spreader control
- Coal chute door (1, 2, or 3 as needed)
- Rear tailgate lateral opening (barn door)
- Bolt-on apron
- Pre-wetting system with 160 gallon tank installed under cabshield
- Summer chute
- Special paint
- Hydraulically actuated discharge chute
- Screens
- Lights in rear corner posts
- Extended greasing points on floor hinge (3 or 4)
- Sides, front panel and tailgate constructed from 304 stainless steel
- Hinged, fold-up type ladder

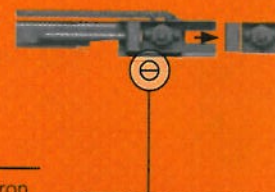
MAINTENANCE INNOVATION



Slotted front discharge chute allows gear box, sprockets, bearings and shaft to be easily removed.



Opening in rear apron permits quick access to the chain, chain adjusters, shaft and sprockets.

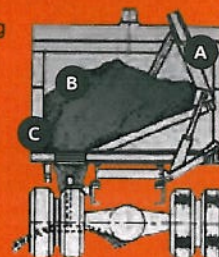


Chain tension adjustment is through two (2) grease cylinders.

MODEL NUMBER	INSIDE LENGTH	INSIDE WIDTH	SIDE HEIGHT	TAILGATE HEIGHT	WATER LEVER CAPACITY	WEIGHT (APPROX.)
TCB-9-T-AL-S-LF	9'	88"	27"	52"	5.5 cu yds	4360 lbs
TCB-10-T-AL-S-LF	10'	88"	27"	52"	6.11 cu yds	4860 lbs
TCB-11-T-AL-S-LF	11'	88"	27"	52"	6.72 cu yds	5360 lbs
TCB-12-T-AH-S-LF	12'	88"	39"	52"	10.59 cu yds	5880 lbs
TCB-13-T-AH-S-LF	13'	88"	39"	52"	11.47 cu yds	6300 lbs
TCB-14-T-AH-S-LF	14'	88"	39"	52"	12.35 cu yds	6670 lbs
TCB-20-T-CH-S-LF	20'	88"	39"	51"	16.44 cu yds	9300 lbs

LOW CENTER OF GRAVITY

- A** Load is substantially diminished before requiring activation of side tilt mechanism.
- B** Full capacity of body is utilized.
- C** Rapidly convert from dump to spread mode by adjusting hinged conveyor cover.



A HEAVY-DUTY PARTNER FOR LIGHT TRUCKS

By combining the reliability of our products with weight reduction technology, we created the perfect equipment to allow light trucks to carry out heavy-duty work.

- Side tilt combination dump body spreader
- One way snow plows and trip edge reversible snow plows
- "Reverse-a-way" one way moldboard with reversing drive frame
- Front- or rear-mount side wing systems



HUSKY COMBINATION DUMP BODY/SPREADER

Available in either mild steel or 304 stainless steel, Multi-Purpose Body is able to perform dump body functions year round and transform into a salt/sand spreader within minutes.

HUSKY ONE WAY AND REVERSIBLE SNOW PLOWS



MODEL TCP-10-T-36-E1

Trip edge reversible snow plow

- 9' and 10' wide Tenelene versions
- 10' steel version
- 36" high moldboard



MODEL TCO-10T-47-SR

Full trip one way snow plow

- 9'2" clearing path
- Lightweight Tenelene moldboard
- 26" intake

FRONT-MOUNT SIDE WING SYSTEM



REAR-MOUNT SIDE WING SYSTEM



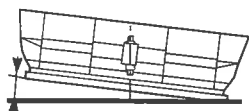
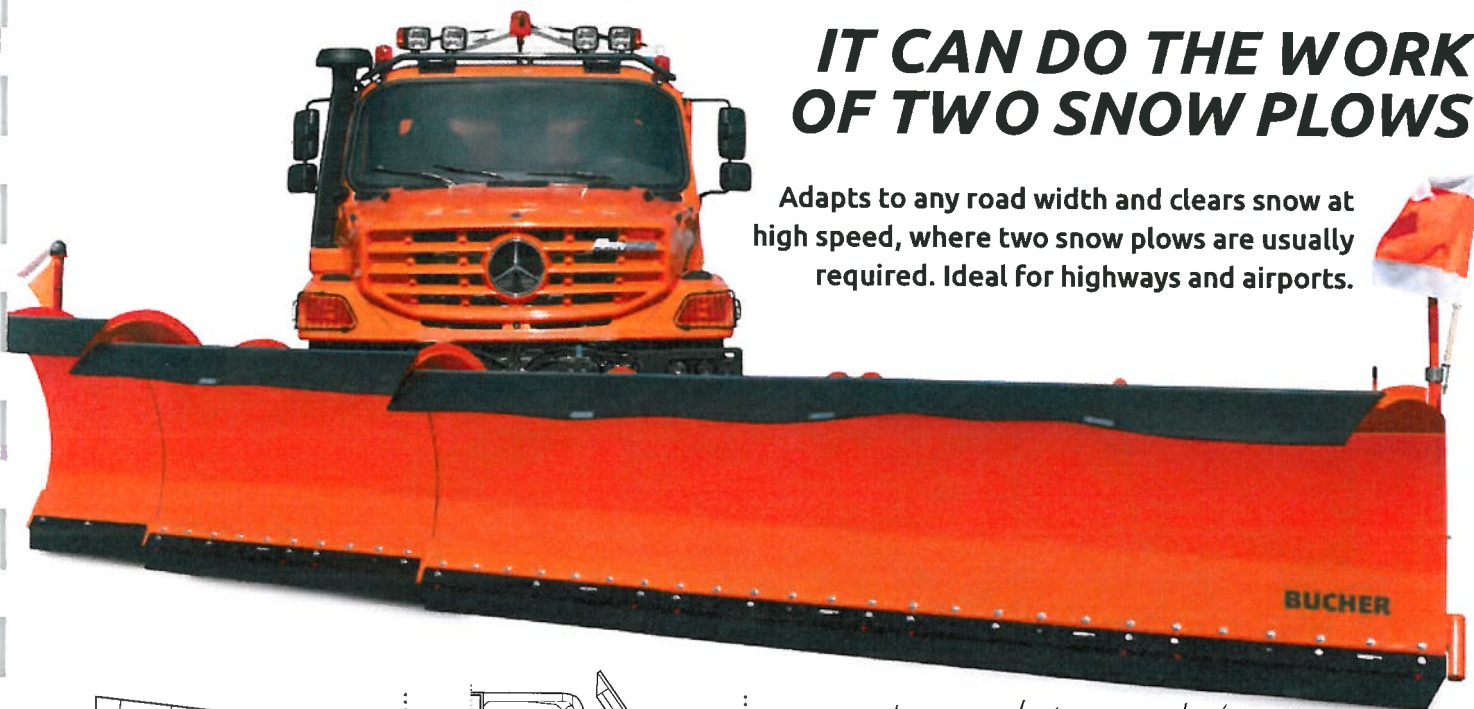
- Increases clearing path of low GVW snow fighting vehicle clearing width as required.
- Lightweight design includes Tenelene side wing moldboard
- Full hydraulic front and rear post

MODEL NUMBER	INSIDE WEIGHT	SIDE HEIGHT	TAILGATE HEIGHT	WATER LEVEL CAPACITY	WEIGHT (APPROX.)
TCB-8-P-DF-S-LF	8'	18"	24"	3.26 cu yds	3150 lbs
TCB-9-L-DF-S-LF	9'	18"	24"	3.67 cu yds	3275 lbs
TCB-10-L-DG-S-LF	10'	18"	24"	4.07 cu yds	3400 lbs

FAST AND ECONOMICAL

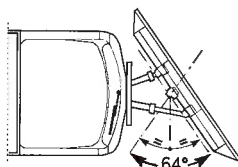
IT CAN DO THE WORK OF TWO SNOW PLOWS

Adapts to any road width and clears snow at high speed, where two snow plows are usually required. Ideal for highways and airports.



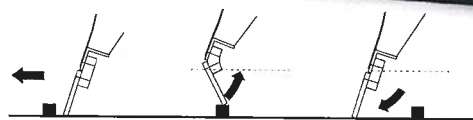
TRANSVERSAL INCLINATION ANGLE

A central oscillation system allows the blade to follow the road profile.



ROTATION

Rotation angle from +32 ° to -32°.



POLYURETHANE INSERT

Fitted between the steel scraping edge and the blade it offers the elimination of any vibrations and the rotations of scraping edge when obstacles are encountered with automatic return to the working position once these have been exceeded.

		TE90 (30/40S)	TE90 (35/45S)	TE90 (40/50S)	TE90 (42/52S)	TE90 (40/49D)	TE90 (42/70X)
Length of scraper blade (min/max)	inch	118.1-157.5	137.8-177	157.5-196.9	164.2-203.5	157.5-192.9	164.2-274
Clearing width (30° max. inclination)	inch	102.4-136.2	119.3-153.5	136.2-170.5	142.1-176.4	136.2-166.9	142.1-237.4
Max. right-left clearing angle	°	32 °	32 °	32 °	32 °	32 °	32 °
Min. Passage width	inch	107	123.6	140.2	143.7	141.7	143.7
Height of plough section to the right	inch	52.8	52.8	52.8	52.8	52.8	52.8
Height of plough section to the left	inch	48.8	48.8	48.8	48.8	48.8	43.3
Distance from couplig level (plough swivelled)	inch	88.2	93.7	99.2	102.8	96.5	102.8
Distance from couplig level	inch	69.3	69.3	69.3	69.3	61.4	69.3
Maximum distance from ground level	inch	15.7	15.7	15.7	15.7	15.7	15.7
Maximum distance from ground level	°	25 °	25 °	25 °	25 °	25 °	25 °
Weight of standard version	lbs	2 579.4	2 755.8	2 976.2	3 086.5	2 579.4	3 703.8



LED LIGHTS FOR BACKLIGHTING

At the left and right plough ends, it is used to increase the rear clearance visibility of the plough.

3 LANE SPREADING

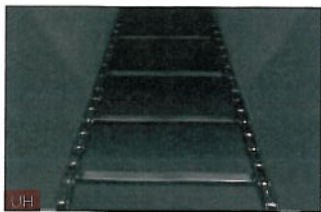
MATERIAL SAVING WITH THE ONE AND ONLY GILETTA SPREADER

Our spreader for medium and heavy trucks has a high load carrying capacity, and a spreading width of up to 24 meters. Can be quickly installed in your dump bodies, making them more versatile.



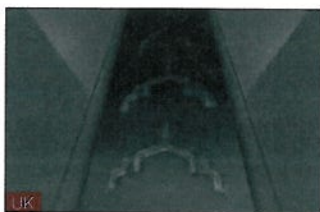
		UH3000	UH4000	UH5000
Hopper capacity	m ³	4÷7	5÷12	6.5÷16
	cu yd	5.2÷9.2	6.5÷15.7	8.5÷21
Brine tank capacity	l	2270	2600÷3000	3700
	gal	600	690÷790	980
Min/max. spreading width	m	2÷12	2÷12	2÷12
	yd	2.2÷13.1	2.2÷13.1	2.2÷13.1
Min/max. salt dispensing capacity	g/m ²	5÷40	5÷40	5÷40
	oz/sq yd	0.21÷1.7	0.21÷1.7	0.21÷1.7
Min/max. grit dispensing capacity	g/m ²	20÷350	20÷350	20÷350
	oz/sq yd	0.85÷14.8	0.85÷14.8	0.85÷14.8
Hopper lenght	mm	3400	4200	5200
	ft	11.15	13.78	17.06

FEEDING SYSTEMS



METAL BELT

The feeding system is realized by metal belt with cross-bars. The chain is guided by toothed pinions that enable a constant traction, maintaining a correct translation synchrony, without skidding.



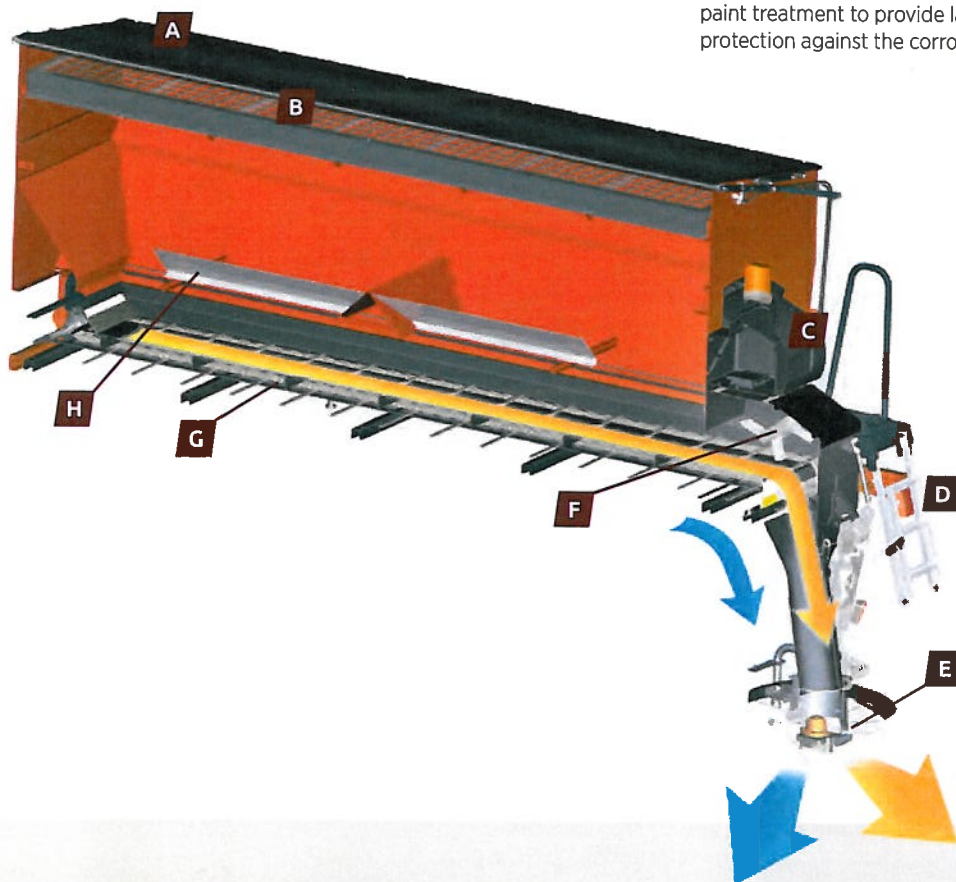
RUBBER BELT

The feeding system is realized by a double layer natural rubber belt with polyester and nylon core. The traction roller that moves the rubber belt is crowned to avoid side deviations and tired to minimize skidding.



AUGER

The feeding system is realized by an auger with variable pitch turns that is designed to assure a continuous feeding of the material and a standardized emptying of the hopper. The auger is finished with a special paint treatment to provide lasting protection against the corrosion.



ECOSAT¹⁰

Latest generation microprocessor controlsystems, with maximum flexibility in programming and visualizing the different spreading parameters: width, asymmetry and dosage depending on the vehicle speed.



Six different tools in all-in-one control box

WORKING SCHEME

- A** PVC hopper folding cove
- B** Grid
- C** Polyethylene water proof box for electronic power pack and proportional valves block
- D** Ladder
- E** Spreading group (solid / liquid)
- F** Transverse roller/breaker
- G** Feeding system (chain, rubber belt or auger)
- H** Lightning plate

MAIN OPTIONS ON REQUEST



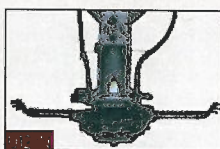
ASYMMETRY

Electric regulation of spreading asymmetry in 5 pre-set positions from the driver's cab.



SECOND DISC

Second spreading disc to increase the salt and/or brine spreading width.



SPRAYER BAR

Spraying bar through pressure nozzles for the spraying of 100% of the brine.



LATTER

AISI 304 stainless steel ladder for easy accessibility positioned in the rear right part.



PVC HOPPER COVER

PVC hopper folding cover manually opened from the ground with steel structure.



GRID

Galvanized grid. Possibility of AISI 304 stainless steel grid (opt. G1/X).

A GREATER BREADTH OF EXPERTISE

TENCO'S EXPERTISE NOW EXTENDS TO MANUFACTURING SNOWBLOWERS FOR LOADERS.

Our in-depth knowledge of airport snow removal needs served us well in developing these high-performance machines. No matter what the task at hand, they'll get the job done in record time.

TCS-172 Model



TC-202 Model



Vohl Tenco Model/
VOHL DV-4000



Tenco snowblowers boast integrated safety features and impressive snow removal capacity, with a casting distance between 40 feet (12 metres) through the spot casting chute and 150 feet (45 metres) through the impeller casing.

POWER TRAIN SYSTEM

- Automatic engine shutdown for low oil pressure, high engine temperature and low coolant level
- Clutch engagement at low engine RPM's only
- Emergency stop button on control panel
- Inability to start engine if clutch is already engaged

Options:

Carbide skates | Carbide cutting edge | Residential muffler* | Two (2) working lights* | Hydraulically extendable truck loading chute | Steering vanes* | Hi-tensile steel liner for impeller and chute: Trimay for TCS-172 & 202/ chromium carbide for DV-4000

*Standard on DV-4000

TCS-172-LMM TCS-202-LMM DV-4000

DIMENSIONS & WEIGHT

	TCS-172-LMM	TCS-202-LMM	DV-4000
Overall height	138" (3454 mm)	135" (3429 mm)	132" (3355 mm)
Overall cutting width	102" (2590 mm)	103" (2616 mm)	110" (2795 mm)
Working height	W50" (1270 mm)	54" (1372 mm)	57" (1447 mm)
Weight (approx.)	7950 lbs (3606 kg)	9300 lbs (4227 kg)	10 900 lbs (4955 kg)
Augers	(2) 16" (406 mm) dia.	(2) 20" (508 mm) dia.	(2) 26" (660 mm) dia. Patented dynamically balanced auger design
Impeller *150° rotation *includes 5 bolt-on concave impeller blades	34" (864 mm) dia.	38" (965 mm) dia.	38" (965 mm) dia.
Spot casting chute *300° rotation	13" (330 mm) dia.	16" (406 mm) dia.	15 1/4" (387 mm) dia. Patented spot casting chute with greaseable ball and socket joints (option)

ENGINE

HP	225 HP (168 kW)	275 HP (205 kW)	275 HP (205 kW)
Torque	758 lb-ft (1028N-m) at 1400 RPM	927 lb-ft (1257N-m) at 1400 RPM	886 lb-ft (1201N-m) at 1500 RPM
Displacement	442 po ³ (7.2 litre)	442 po ³ (7.2 litre)	548 po ³ (9.0 litre)
Tons/Hour Operating Capacity	2000 Tons	2750 Tons	2750 Tons
Loader Attachment Limit	2 1/2 & 3 Yard Loader	3 Yard Loaders	4 & 5 Yard Loaders

WATERING HAS NEVER BEEN SAFER OR EASIER THAN THIS

Thanks to its extendable arm and directional nozzle that can bypass obstacles, the PCL-500 offers a clean, safe, and efficient way to hose down sidewalks and water flowers in hanging baskets on lamp posts.

Benefit from Tenco's expertise as North America's only manufacturer of watering arms.

THE PCL-500 WATERING ARM
is an Exclusive Tenco Patent Product

PCL-500 TENCO WATERING ARM

- Add a reliable piece of equipment to your tanker truck.
- The PCL-500 arm is the safest and most reliable equipment on the market.
- Flexibility allows the arm to move around obstacles such as park benches, garbage cans, etc.
- The powerful PCL-500 allows cleaning the streets with the water flow controlled by the directional nozzle.
- Can be used for spraying chemicals on trees, flowers, and lawns.
- Other possible uses with the PCL-500 is watering winter exterior skating rinks.
- Entirely hydraulic components.

In cab control



TENCO, one of North America's most highly-renowned companies founded in 1976, is a manufacturer and distributor of snow removal and de-icing equipment.

TENCO offers:

- a complete range of snow removal and de-icing equipment
- reliable, superior-quality equipment
- unparalleled customer service through a network of more than 80 distributors worldwide
- a vast parts inventory

TENCO Inc. also distributes various other products, including:

- Self-propelled snowblowers
- 21-ft runway sweepers
- Dump bodies
- Giletta spreaders (GPS control and symmetrical spraying)

**A PROFESSIONAL
SERVICE**

24/7

— TENCO.CA —

TENCO INC.

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Lakeville (NY) 14480-0635
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Toll free 1 800 808-3626
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TENCO PARTS DEPOT

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Ville St-Laurent
(Qc) H4T 1A7 Canada

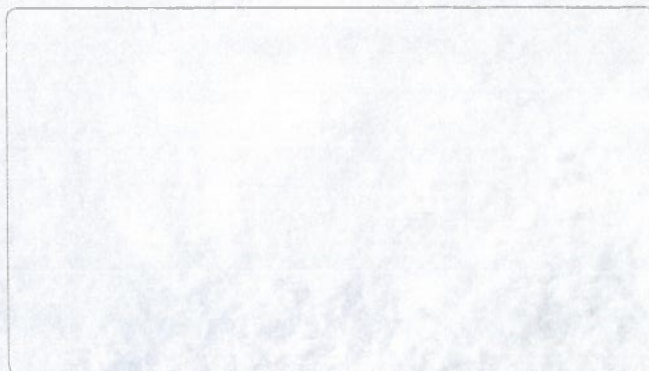
T. 514 341-3236
Toll free 1 877 408-3626
F. 514 341-1014

TENCO INDUSTRIES INC.

450 N. Main Street
Barre, Vermont 05641
United States

T. 802 476-3161
Toll free 1 800 451-5014
F. 1 802 476-1003

YOUR AUTHORIZED TENCO INC. DISTRIBUTOR



Town of Pelham, NH
Highway Department

The Town of Pelham, NH is seeking quotes for a Heavy Duty S/S Combination Dump Body/Spreader and Plow Equipment for a 6 Wheel Cab and Chassis.

It is the intention of this specification to describe a Heavy Duty S/S Combination Dump Body/Spreader and Plow Equipment for a 6 Wheel Cab and Chassis as outlined in the following specifications.

Companies are cautioned to list any and all deviations from these specifications in order for their quote to receive full consideration. Companies that do not fully list and explain deviations from these specifications shall be considered as "non-responsive". Companies shall furnish complete manufacturers detailed literature and written specifications with their proposal. The use of manufacturers' names and/or model numbers is strictly for the purpose of indicating the quality of materials required.

The town will consider some variations to these specifications as not all Equipment manufacturers offer the same options.

All quotes must be received in the Selectmen's office at 6 Village Green, Pelham, NH by April 8, 2016 by 4: PM EST. Quotes submitted after this time will not be accepted.

Comments: Projected delivery date and installation of equipment completed and fully operational 60-90 days after receiving cab and chassis. *Depends on when chassis is delivered.

These ARE working days, Not calendar days.
All decisions in reference to the bid or selection of the contractor will be made by the Board of Selectmen or an authorized agent, The town reserves the right to reject any and all bids or any portion of any bid or waive any bid informality deemed in the best interest of the town.

The town reserves the right to select the bid that best meets the town's needs. While price would be a substantial factor in the towns decision, the town reserves the right to select a bid without the lowest cost proposal.

Any questions may be referred to Frank Ferreira, Highway Agent at 603-635-8526.

Pelham, Highway Department
Pelham, N.H.

2017 – DUMP BODY SPECS. & PLOW EQUIPMENT

Highway Department – Pelham, NH

It is the intention of this specification to describe a heavy duty dump body and plow equipment with central hydraulic system as outlined in the following specifications:

Bidders are cautioned to list any and all deviations from these specifications in order for their bid to receive full consideration. Bidders that do not fully list and explain deviations from these specifications shall be considered as "non - responsive". Bidders shall furnish complete manufacturers detained literature and written specifications with their proposal. The use of manufacturers' names and/or model numbers is strictly for the purpose of indicating the quality of materials required.

#1 Heavy Duty S/S Combination Dump Body/Spreader:

The body shall be 10' long by 88" wide – Side Dump. The entire body with the exception of the floor shall be fabricated from stainless steel. The floor of the body shall be 3/16" Hardox 450. There shall be at least a 24" stainless steel cab shield. Front telescopic Nitrated double acting cylinder and two floor tilt Nitrated double acting cylinders for side dump. Body props for dump body and for side dump. Air tailgate control, electric tarp system with mesh tarp, left side S/S folding ladder. First step no more than 15" off ground level, rear poly fenders, (6) panel tail gate with 3 S/S coal doors in tailgate, ice lights, reflectors, remote grease fittings for all grease fittings, rear mud flaps. Body painted to match truck with base coat – clear coat.

#2 Plow Equipment:

Front Hitch: Power tilt with dual acting cylinder. 48" front wing post with trip hinge. Must have hydraulic hook-up for power angle for front plow and front mounted remote. 31" and 22" plow pin centers with three pin heights.

#3 Rear Attachment:

High lift benching wing post with double acting lift cylinder.

#4 Side Wing:

10' wing with heavy duty arms, full trip, double acting cylinder, 12" on center bolt pattern for cutting edge.

Front Plow:

11' Power Angle, Trip cutting edge, Swivel plate With 30.5" Push Plates. 12" on center bolt pattern for cutting edge.

#5 Hydraulic System:

Central hydraulic system with a load sense pump, low oil shut down with low oil light. Forty (40) gallon hydraulic tank with filter and sight gauge on all S/S lines.

#6 Control Valve:

Seven (7) section hydraulic valve Gresen V20 or approved equal. Low friction cable controls. Connector kits will be utilized on the valve end to enclose the valve spool. Control pattern and lever location will be provided by the town at time of construction. Also, a front remote for the front plow frame tilt.

#7 Sander Valve:

A Closed Loop Ground speed control system.

#8 Quick Connect Fittings:

To be installed at all removable attachments. Lighting: Stop, tail, turn and back-up and strobe lights will be mounted in the rear corner posts of dump body. One roof mounted and two corner post quad flash strobes in headboard. plow lights, wing and spreader light, move factory lights to inside of truck frame, all marker lights to comply with current motor vehicle laws.

#9 Pintle Plate:

Pintle plate with pintle hitch and "D" rings and a 7 flat pin plug for trailers and factory lights cut into pintle plate.

All equipment to be installed and fully operational.

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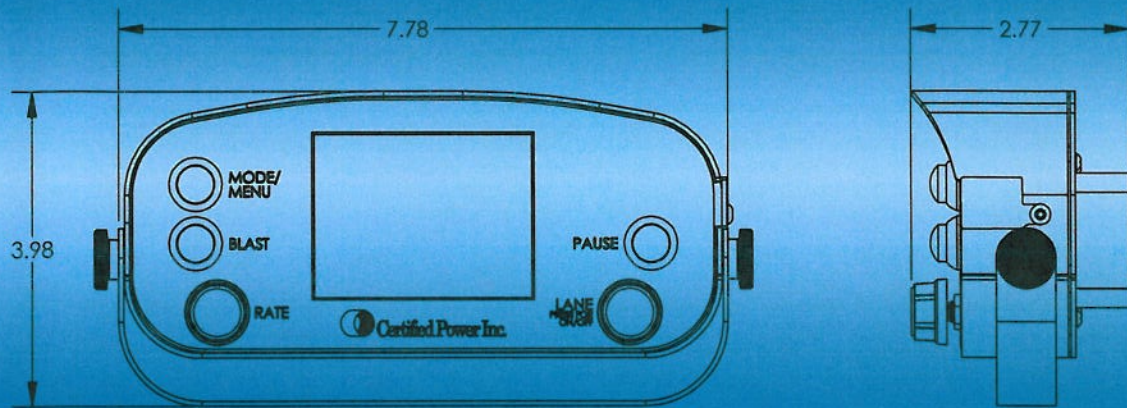
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Mechanical Layout:



Freedom 2.0

- Ground speed triggered
- Manual mode
- Remote pause
- Unload
- Auxiliary output 1
- Current (Amps) regulated output
- Conveyor stall input
- Touch screen

Freedom 2.1

- Ground speed oriented Spreading
- Ground speed triggered
- Manual mode
- Open-loop control
- Remote pause
- Unload
- Remote blast
- 4 configurable materials
- Pre-Wet open-loop
- Auxiliary output 1
- Storm totals USB/ON-SCREEN
- Liquid float input
- Current (Amps) regulated output
- Conveyor stall input
- Touch screen
- On-screen error messages

Freedom 2.2

- Ground speed oriented Spreading
- Ground speed triggered
- Manual mode
- Open-loop control
- Closed-loop control
- Remote pause
- Unload
- Remote blast
- 4 configurable materials
- Pre-Wet closed-loop
- Pre-Wet open-loop
- Auxiliary output 1
- Auxiliary output 2
- AVL freedom talk
- AVL string format 1
- Spinner configurable MPH shut-off
- Storm totals USB/ON-SCREEN
- Liquid float input
- Current (Amps) regulated output
- Test speed
- On-screen error messages
- Touch screen

Certified Power is a pioneer in snow and ice removal. We definitely have the experience to do the job. From the operator to the fleet manager we understand what you need. That's why the entire Freedom product line, top to bottom, is the best available when you compare safety, reliability, durability, and ease of maintenance.

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