

**STRENGTH**  
**SIMPLICITY**  
**DEPENDABILITY**



## 1000 Series Irrigation Reels



# Cadman

**iWater™**  
WWW.CADMANMINI.COM

**1100****1250****1500****1800****2000S**

## Benefits

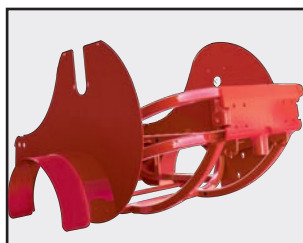
- One man operation
- Environmentally friendly
- Built to handle rough industrial terrain
- Built to outlast the competition
- Even water distribution
- Consistently higher yields

## Features

- Simple two push button controls
- Solar power option available
- Strong tubular frame
- Well-protected electric drive system
- Control retrieval speed with iWater™
- Only make in the industry with accurate speed compensation

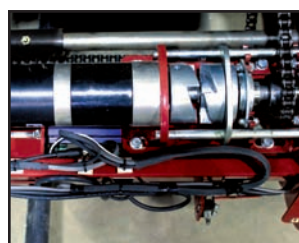
### Why is the Electric Drive Better?

- The electric drive makes minimum operating pressure obsolete
- The mini now can essentially operate at any pressure  
*(Minimum levels are required for gun efficiency.)*
- Water no longer comes into contact with any moving parts
- Has the ability to operate at much slower and faster retrieval speeds  
*(From as slow as 1" / minute up to 150" / minute.)*
- Each mini includes two batteries and a trickle charger. This allows the operator to run the machine while charging a spare battery. At full charge, the machine is capable of retracting the hose from 10 - 18 times.



### Rugged Frame

The frame is a uni-body construction utilizing 2" x 2" heavy wall tubing. The tubing is then matted with a 10 gauge skin which gives the overall structure superior strength.



### Accurate Hose Indexing

Cadman's hose guide system keeps the polyethylene hose in its place accurately and efficiently. With its rugged design, maintenance is kept to a minimum.



### Heavy Duty Drum

The one-piece drum core is made from heavy duty steel plate for continuous support. The core diameter is oversized to prevent stress on the hose, ensuring longer life and simplifying the wrapping of the hose.



### Auto-Stop

If the hose guide malfunctions for any reason the auto-stop bar is pushed which stops the drum from turning and preventing hose damage.



### High Quality Hose

Cadman Travellers use only the best quality hose available. Our polyethylene hose is manufactured to ASTM and CSA standards for rough field use and longevity.



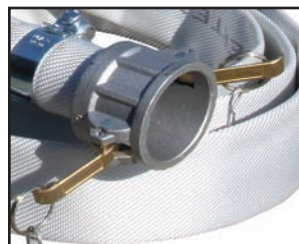
### Sprinkler & Cart

We carry Komet, Nelson, Sime, and Rain-Bird. All Cadman sprinkler carts are built with steel tubing and then are plated to last. Extensions can be added to raise the sprinkler to further heights. High carts are available for the 1500, 1800 and 2000S models



### Stabilizers & Front Hitch

All heavily used parts on the Cadman Mini-Traveller are plated including the rear stabilizer legs and the front hitch. The stabilizers operate by simply removing the transport pin and placing the foot of the leg into the ground. This prevents the Traveller from moving while the hose is winding in.



### Feeder Hose

The Cadman 1100 & 1250 Mini-Travellers come with a 1.5" x 15' feeder hose and the 1500, 1800 and 2000S models come with 2" x 20' feeder hose to connect the 1000 mini Series traveller to your main line. Quality high pressure hose, clamps and fittings are used everytime.

**Cadman minis are ready when you are.**



1100

1250

1500

1800

2000S

## Accurate, Computer-Controlled Speed Compensation

When applying water for irrigation, precision is important and accuracy is key. For smaller travelling gun systems, however, consistency has been an issue. Why? They lack accurate speed compensation.

Cadman is the first manufacturer to produce a computer-controlled mini machine with accurate speed compensation.

The computer does all of the work - the user only needs to pull out the hose, tell the computer what retrieve rate to use, engage the clutch - and walk away.



### Testimonial

*"If I set it for 1 inch a minute, that's what I get every time. Its perfect, no complaints!" says Dave Dyreck, Vegetable Farmer from Chicago, IL. "It is the ultimate machine for my small well!"*

### **Strength • Simplicity • Dependability**

These are more than just words to us. We have designed and manufactured every single one of our mini travellers with these qualities in mind.

**Irrigation on this scale has never been so easy!**

**iWater™ - this is how we are different.**

**1100**

**Details**

- Hose I.D.: 1.1" & Length: 250'
- G.P.M.: 3 - 32
- Axle: 2
- Weight: 530 lbs.

Model 1100 1.1" x 250'	Inlet PSI	Nozzle Size	Sprinkler			Lane Spacing	Travel Speed - Inches Per Minute								Area Covered in Acres
			PSI	GPM	Maximum Diameter		Depth of Application in Inches								
							3	5	7	10	15	20	25	30	
With Komet F43	30	0.16" / 4mm	29	3.6	87'	70'	0.33	0.20	0.14	0.10	0.07	0.05	0.04	0.03	0.40
	46	0.16" / 4mm	44	4.4	99'	79'	0.36	0.21	0.15	0.11	0.07	0.05	0.04	0.04	0.45
	31	0.20" / 5mm	29	5.7	94'	75'	0.49	0.29	0.21	0.15	0.10	0.07	0.06	0.05	0.43
	47	0.20" / 5mm	44	7	106'	85'	0.53	0.32	0.23	0.16	0.11	0.08	0.06	0.05	0.49
	69	0.20" / 5mm	65	8.6	120'	96'	0.57	0.34	0.25	0.17	0.11	0.09	0.07	0.06	0.55
	32	0.24" / 6mm	29	8.2	98'	78'	0.67	0.40	0.29	0.20	0.13	0.10	0.08	0.07	0.45
	49	0.24" / 6mm	44	10.1	112'	90'	0.72	0.43	0.31	0.22	0.14	0.11	0.09	0.07	0.52
	35	0.28" / 7mm	29	11.3	104'	83'	0.87	0.52	0.37	0.26	0.17	0.13	0.10	0.09	0.48
	78	0.28" / 7mm	65	16.8	134'	107'	1.01	0.60	0.43	0.30	0.20	0.15	0.12	0.10	0.61
	39	0.31" / 8mm	29	14.7	106'	85'	1.11	0.67	0.48	0.33	0.22	0.17	0.13	0.11	0.49
	58	0.31" / 8mm	44	17.9	122'	98'	1.17	0.70	0.50	0.35	0.23	0.18	0.14	0.12	0.56
	86	0.31" / 8mm	65	22	140'	112'	1.26	0.76	0.54	0.38	0.25	0.19	0.15	0.13	0.64
Hours For Full Irrigation Pull							17	10	7.1	5	3.3	2.5	2	1.7	



**1250**

**Details**

- Hose I.D.: 1.25" & Length: 230'
- G.P.M.: 8 - 45
- Axle: 2
- Weight: 650 lbs.

Model 1250 1.25" x 230'	Inlet PSI	Nozzle Size	Sprinkler			Lane Spacing	Travel Speed - Inches Per Minute								Area Covered in Acres	
			PSI	GPM	Maximum Diameter		Depth of Application in Inches									
							3	5	7	10	15	20	25	30		
With Komet R20	38	0.24" / 6mm	36	9	108'	86'	0.67	0.40	0.29	0.20	0.13	0.10	0.08	0.07	0.45	
	68	0.24" / 6mm	65	12	138'	110'	0.70	0.42	0.30	0.21	0.14	0.11	0.08	0.07	0.58	
	34	0.31" / 8mm	29	15	118'	94'	1.02	0.61	0.44	0.31	0.20	0.15	0.12	0.10	0.50	
	67	0.31" / 8mm	58	21	144'	115'	1.17	0.70	0.50	0.35	0.23	0.18	0.14	0.12	0.61	
	40	0.40" / 10mm	29	23	128'	102'	1.45	0.87	0.62	0.43	0.29	0.22	0.17	0.14	0.54	
	78	0.40" / 10mm	58	32	158'	126'	1.63	0.98	0.70	0.49	0.33	0.24	0.20	0.16	0.67	
	62	0.47" / 12mm	36	37	144'	115'	2.06	1.24	0.88	0.62	0.41	0.31	0.25	0.21	0.61	
	111	0.47" / 12mm	65	50	170'	136'	2.36	1.42	1.01	0.71	0.47	0.35	0.28	0.24	0.72	
	Hours For Full Irrigation Pull							15	92	66	4.6	3.1	2.3	1.8	1.5	

**1500**

**Details**

- Hose I.D.: 1.5" & Length: 350'
- G.P.M.: 25 - 80
- Axle: 2
- Weight: 1,100 lbs.

Model 1500 1.5" x 350'	Inlet PSI	Nozzle Size	Sprinkler			Lane Spacing	Travel Speed - Inches Per Minute								Area Covered in Acres
			PSI	GPM	Maximum Diameter		Depth of Application in Inches								
							3	5	7	10	15	20	25	30	
With Komet Twin Max	37	0.39" / 10mm	30	24	148'	118'	1.31	0.78	0.56	0.39	0.26	0.20	0.16	0.13	0.95
	81	0.39" / 10mm	65	36	198'	158'	1.46	0.88	0.63	0.44	0.29	0.22	0.18	0.15	1.27
	111	0.39" / 10mm	90	42	227'	182'	1.48	0.89	0.63	0.44	0.30	0.22	0.18	0.15	1.46
	41	0.43" / 11mm	30	29	156'	125'	1.49	0.89	0.64	0.45	0.30	0.22	0.18	0.15	1.00
	87	0.43" / 11mm	65	43	208'	166'	1.66	1.00	0.71	0.50	0.33	0.25	0.20	0.17	1.33
	120	0.43" / 11mm	90	51	238'	190'	1.72	1.03	0.74	0.52	0.34	0.26	0.21	0.17	1.53
	38	0.47" / 12mm	25	32	148'	118'	1.74	1.04	0.75	0.52	0.35	0.26	0.21	0.17	0.95
	132	0.47" / 12mm	90	61	248'	198'	1.98	1.19	0.85	0.59	0.40	0.30	0.24	0.20	1.59
	42	0.51" / 13mm	25	37	156'	125'	1.90	1.14	0.81	0.57	0.38	0.28	0.23	0.19	1.00
	130	0.51" / 13mm	80	67	248'	198'	2.17	1.30	0.93	0.65	0.43	0.33	0.26	0.22	1.59
	47	0.55" / 14mm	25	43	163'	130'	2.12	1.27	0.91	0.64	0.42	0.32	0.25	0.21	1.04
	128	0.55" / 14mm	70	73	244'	195'	2.40	1.44	1.03	0.72	0.48	0.36	0.29	0.24	1.57
Hours For Full Irrigation Pull							23	14	10	7	4.7	3.5	2.8	2.3	

**Turn it on and walk away. It is that simple.**



1100

1250

1500

1800

2000S



Refreshingly  
simple.

Above: The 1800 mini with optional 32" high cart. The high cart is ideal for taller foliage and is available for the 1500, 1800, 2000S and 2000ST models.

Above: A side view of the 2000S mini with standard gun cart.

**1800**

**Details**

- Hose I.D.: 1.8" & Length: 400'
- G.P.M.: 25 - 102
- Axle: 2
- Weight: 1,285 lbs.

**2000S**

**Details**

- Hose I.D.: 2.0" & Length: 350'
- G.P.M.: 25 - 150
- Axle: 2
- Weight: 1,400 lbs.



Model 1800 1.8" x 400'	Inlet PSI	Nozzle Size	Sprinkler			Lane Spacing	Travel Speed - Inches Per Minute							Area Covered in Acres	
			PSI	GPM	Maximum Diameter		Depth of Application in Inches								
							3	5	7	10	15	20	25		30
	34	0.39" / 10mm	30	24	148'	118'	1.31	0.78	0.56	0.39	0.26	0.20	0.16	0.13	1.08
	72	0.39" / 10mm	65	36	198'	158'	1.46	0.88	0.63	0.44	0.29	0.22	0.18	0.15	1.45
With Komet Twin Max	100	0.39" / 10mm	90	42	227'	182'	1.48	0.89	0.63	0.44	0.30	0.22	0.18	0.15	1.67
	35	0.43" / 11mm	30	29	156'	125'	1.49	0.89	0.64	0.45	0.30	0.22	0.18	0.15	1.15
	75	0.43" / 11mm	65	43	208'	166'	1.66	1.00	0.71	0.50	0.33	0.25	0.20	0.17	1.52
	104	0.43" / 11mm	90	51	238'	190'	1.72	1.03	0.74	0.52	0.34	0.26	0.21	0.17	1.74
	31	0.47" / 12mm	25	32	148'	118'	1.74	1.04	0.75	0.52	0.35	0.26	0.21	0.17	1.08
	110	0.47" / 12mm	90	61	248'	198'	1.98	1.19	0.85	0.59	0.40	0.30	0.24	0.20	1.82
	33	0.51" / 13mm	25	37	156'	125'	1.90	1.14	0.81	0.57	0.38	0.28	0.23	0.19	1.15
	116	0.51" / 13mm	90	71	259'	207'	2.20	1.32	0.94	0.66	0.44	0.33	0.26	0.22	1.90
	35	0.55" / 14mm	25	43	163'	130'	2.12	1.27	0.91	0.64	0.42	0.32	0.25	0.21	1.19
	125	0.55" / 14mm	90	83	269'	215'	2.48	1.49	1.06	0.74	0.50	0.37	0.30	0.25	1.97
	42	0.63" / 16mm	25	57	177'	142'	2.58	1.55	1.10	0.77	0.52	0.39	0.31	0.26	1.30
	131	0.63" / 16mm	80	102	276'	221'	2.96	1.78	1.27	0.89	0.59	0.44	0.36	0.30	2.03
	52	0.71" / 18mm	25	72	191'	153'	3.02	1.81	1.29	0.91	0.60	0.45	0.36	0.30	1.40
139	0.71" / 18mm	70	120	280'	224'	3.44	2.06	1.47	1.03	0.69	0.52	0.41	0.34	2.06	
Hours For Full Irrigation Pull							27	16	11	8	5.3	4	3.2	2.7	

**Where can it be used?**

**Sports Fields**

- Football
- Soccer
- Rugby
- Baseball
- Practice Fields
- Sports Complexes
- Turf Management
- Track & Field
- Field Hockey
- Lacrosse
- Equestrian
- Dust Control
- Dressage Rings
- Show Jumping
- Ranches
- Golf Courses

**Agriculture**

- Hobby Farms
- Gardens & Herbs
- Sod Farms
- Research Plots
- Conservation Areas

**Home & Garden**

- Lawns
- Gardens
- Frost Protection
- Nurseries

**Industrial Services**

- Dust Suppression
- Waste Water Disposal
- Hydroseeding
- Landscaping
- Landfills
- Soil Remediation Projects
- Cemeteries

Model 2000S 2.0" x 350'	Inlet PSI	Nozzle Size	Sprinkler			Lane Spacing	Travel Speed - Inches Per Minute							Area Covered in Acres	
			PSI	GPM	Maximum Diameter		Depth of Application in Inches								
							3	5	7	10	15	20	25		30
	32	0.39" / 10mm	30	24	148'	118'	1.31	0.78	0.56	0.39	0.26	0.20	0.16	0.13	0.95
	95	0.39" / 10mm	90	51	238'	190'	1.72	1.03	0.74	0.52	0.34	0.26	0.21	0.17	1.53
With Komet Twin Max	28	0.47" / 12mm	25	32	148'	118'	1.74	1.04	0.75	0.52	0.35	0.26	0.21	0.17	0.95
	100	0.47" / 12mm	90	61	248'	198'	1.98	1.19	0.85	0.59	0.40	0.30	0.24	0.20	1.59
	31	0.55" / 14mm	25	43	163'	130'	2.12	1.27	0.91	0.64	0.42	0.32	0.25	0.21	1.04
	108	0.55" / 14mm	90	83	269'	215'	2.77	1.66	1.19	0.83	0.55	0.42	0.33	0.25	1.73
	34	0.63" / 16mm	25	57	177'	142'	2.58	1.55	1.10	0.77	0.52	0.39	0.31	0.26	1.14
	120	0.63" / 16mm	90	108	289'	231'	3.00	1.80	1.29	0.90	0.60	0.45	0.36	0.30	1.86
	36	0.67" / 17mm	25	64	185'	148'	2.77	1.66	1.19	0.83	0.55	0.42	0.33	0.28	1.19
	127	0.67" / 17mm	90	122	296'	237'	3.30	1.98	1.42	0.99	0.66	0.50	0.40	0.33	1.90
	39	0.71" / 18mm	25	72	191'	153'	3.02	1.81	1.29	0.91	0.60	0.45	0.36	0.30	1.23
	77	0.71" / 18mm	50	102	250'	200'	3.27	1.96	1.40	0.98	0.65	0.49	0.39	0.33	1.61
	135	0.71" / 18mm	90	136	308'	246'	3.55	2.13	1.52	1.06	0.71	0.53	0.43	0.35	1.98
	46	0.79" / 20mm	25	89	202'	162'	3.53	2.12	1.51	1.06	0.71	0.53	0.42	0.35	1.30
	81	0.79" / 20mm	45	119	257'	206'	3.71	2.22	1.59	1.11	0.74	0.56	0.44	0.37	1.66
141	0.79" / 20mm	80	159	309'	247'	4.13	2.48	1.77	1.24	0.83	0.62	0.50	0.41	1.98	
Hours For Full Irrigation Pull							23	14	10	7	4.7	3.5	2.8	2.3	

**Unlike any other mini reel on the market today.**



## Advanced Synthetic Turf Cooling System

Cool off an entire football field with one flawless and precise pass in 30 to 60 minutes.

Simple, reliable, portable irrigation for sport fields, pastures, hobby farms, ranches and construction sites.

### Features

- Pulls an entire field in 30 - 60 minutes
- Electric Drive
- Control retrieval speed with iWater™
- 1 Pass field pull (covers an entire football field)
- Well protected drive system
- Dual sprinkler cart for even coverage with high speed retrieval
- Only brand in the industry with accurate speed compensation
- Battery powered
- Strong tubular frame
- Three wheeled chassis for extra stability and three large floatation tires make transport by small garden tractor or utility vehicle extra simple

### 2000ST

#### Details

- Hose I.D.: 2.0" & Length: 350'
- G.P.M.: 48 - 210
- Axle: 2
- Weight: 1,450 lbs.



### Benefits

- Automatic shutoff allows for unattended operation
- No risk of fuel spillage
- Quick setup

Model 2000ST 2.0" x 350'	Inlet PSI	Nozzle Size	Sprinkler			Lane Spacing	Travel Speed - Inches Per Minute										Area Covered in Acres
			PSI	GPM	Maximum Diameter		Depth of Application in Inches										
							50	60	70	80	90	100	110	120	130		
37	0.39" / 10mm	30	48	152"	122"	0.15	0.13	0.11	0.09	0.08	0.08	0.07	0.07	0.06	0.98		
79	0.39" / 10mm	65	72	202"	162"	0.17	0.14	0.12	0.11	0.10	0.09	0.08	0.08	0.07	1.30		
109	0.39" / 10mm	90	84	231"	185"	0.18	0.15	0.13	0.11	0.10	0.09	0.08	0.08	0.07	1.48		
39	0.43" / 11mm	30	58	160"	128"	0.17	0.15	0.12	0.11	0.10	0.09	0.08	0.08	0.07	1.03		
85	0.43" / 11mm	65	86	212"	170"	0.20	0.16	0.14	0.12	0.11	0.10	0.09	0.09	0.08	1.36		
107	0.43" / 11mm	90	102	242"	194"	0.20	0.17	0.14	0.13	0.11	0.10	0.09	0.09	0.08	1.56		
36	0.47" / 12mm	25	64	152"	122"	0.20	0.17	0.14	0.13	0.11	0.10	0.09	0.09	0.08	0.98		
86	0.47" / 12mm	60	100	216"	173"	0.22	0.19	0.16	0.14	0.12	0.11	0.10	0.10	0.09	1.39		
127	0.47" / 12mm	90	122	252"	202"	0.23	0.19	0.17	0.15	0.13	0.12	0.11	0.11	0.10	1.62		
40	0.51" / 13mm	25	74	160"	128"	0.22	0.19	0.16	0.14	0.12	0.11	0.10	0.10	0.09	1.03		
87	0.51" / 13mm	55	112	218"	174"	0.25	0.21	0.18	0.15	0.14	0.12	0.11	0.11	0.10	1.40		
139	0.51" / 13mm	90	142	263"	210"	0.26	0.22	0.19	0.16	0.14	0.13	0.12	0.12	0.11	1.69		
45	0.55" / 14mm	25	86	167"	134"	0.25	0.21	0.18	0.15	0.14	0.12	0.11	0.11	0.10	1.07		
104	0.55" / 14mm	60	134	233"	186"	0.28	0.23	0.20	0.17	0.15	0.14	0.13	0.13	0.12	1.50		
139	0.55" / 14mm	80	156	261"	209"	0.29	0.24	0.21	0.18	0.16	0.14	0.13	0.13	0.12	1.68		
51	0.59" / 15mm	25	100	174"	139"	0.28	0.23	0.20	0.17	0.15	0.14	0.13	0.13	0.12	1.12		
117	0.59" / 15mm	60	154	244"	195"	0.30	0.25	0.22	0.19	0.17	0.15	0.14	0.14	0.13	1.57		
137	0.59" / 15mm	70	168	258"	206"	0.31	0.26	0.22	0.20	0.17	0.16	0.14	0.14	0.13	1.66		
58	0.63" / 16mm	25	114	181"	145"	0.30	0.25	0.22	0.19	0.17	0.15	0.14	0.14	0.13	1.16		
101	0.63" / 16mm	45	152	229"	183"	0.32	0.27	0.23	0.20	0.18	0.16	0.15	0.15	0.13	1.47		
133	0.63" / 16mm	60	176	251"	201"	0.34	0.28	0.24	0.21	0.19	0.17	0.15	0.15	0.14	1.61		
66	0.67" / 17mm	25	128	189"	151"	0.33	0.27	0.23	0.20	0.18	0.16	0.15	0.15	0.14	1.21		
103	0.67" / 17mm	40	162	229"	183"	0.34	0.28	0.24	0.21	0.19	0.17	0.15	0.15	0.14	1.47		
150	0.67" / 17mm	60	198	260"	208"	0.37	0.31	0.26	0.23	0.20	0.18	0.17	0.17	0.15	1.67		
76	0.71" / 18mm	25	144	195"	156"	0.36	0.30	0.25	0.22	0.20	0.18	0.16	0.16	0.15	1.25		
118	0.71" / 18mm	40	182	237"	190"	0.37	0.31	0.26	0.23	0.21	0.18	0.17	0.17	0.15	1.52		
146	0.71" / 18mm	50	204	237"	190"	0.41	0.35	0.30	0.26	0.23	0.21	0.19	0.19	0.17	1.52		
100	0.79" / 20mm	25	178	206"	165"	0.42	0.35	0.30	0.26	0.23	0.21	0.19	0.19	0.17	1.32		
118	0.79" / 20mm	30	194	225"	180"	0.41	0.35	0.30	0.26	0.23	0.21	0.19	0.19	0.17	1.45		
137	0.79" / 20mm	35	210	241"	193"	0.42	0.35	0.30	0.26	0.23	0.21	0.19	0.19	0.17	1.55		
Hours For Full Irrigation Pull							1.40	1.17	1.00	0.88	0.78	0.70	0.64	0.58	0.54		

### Sprinklers



Komet F43



Komet R20



Komet 163



Komet Twin Max



Nelson SR75

### Booster Pumps



1 HP Electric  
Booster Pump

5.5 HP & 9 HP  
Booster Pumps

### Solar Panels

### Chrome Hub Caps



Solar Panel Kits are an optional add on to help maximize the life cycle of the batteries.



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