



CT40 ECS - Eco Cost Cleaning Solution
Transform a drop of water into a powerful
cleaning system



ECS Product Line Introductions



CT40 ECS BT50
October 2009



CT70 ECS BT70
2010



CT70 Rider ECS BT70
2010



CT110 ECS BT85
2010

The ECS Benefits



Reduce water usage 80-95%



Reduce chemical usage 80%-100%



Reduce labor 20%-50%



Reduce energy usage 15%-30%



Reduce noise levels 10%-20%



Increase levels of Hygiene

Do the Eco-Math



Reduce water consumption up to 12,000 gallons per year



Save up to 150 gallons of chemicals per year and
30-150 plastic chemical containers and their transport



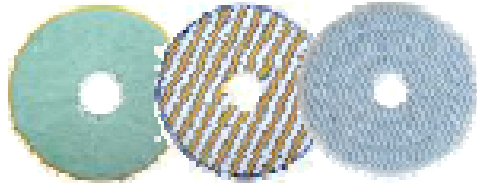
Save up to 250 labor hours (\$2500-\$3500 per year)



Reduce the cost of disposable pads (number per year?)

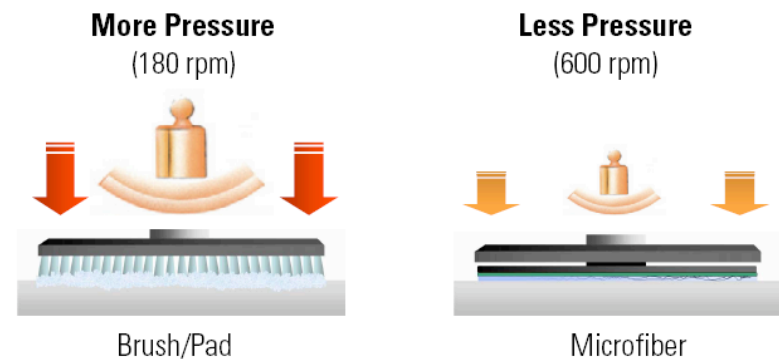
The ECS- Micro-Scrub Technology

- Unique micro-fiber cleaning pads



CT40 ECS
Traction Drive

- 600 RPM disc speed
- Very low pad pressure allows the micro-fiber to work



Micro Scrub Pads

- Cleans up to 45,000 sq. ft. in one use
- Can be cleaned over 200 times



After use the micro fiber pad can be easily rinsed under a running tap.



For even higher standards of hygiene the micro fiber pads can be washed in a standard washing machine.

Multi Use System

Traditional

or

Micro Scrub



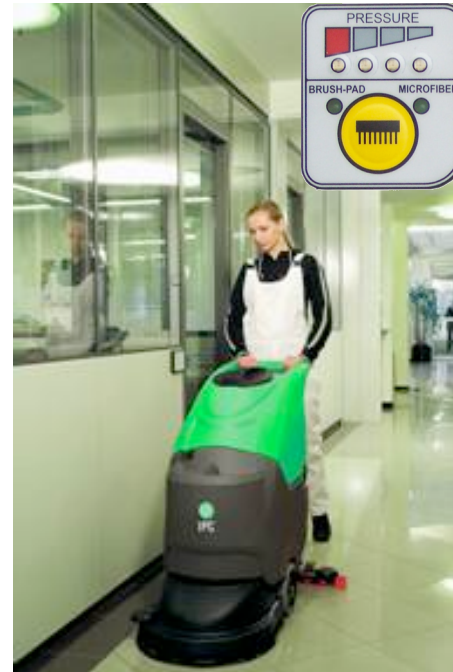
Traditional brushes or pads (200 rpm / .3 – .4 gallons per minute) 18-24 gallons per hour



Pad/brush pressure adjustment with led display.



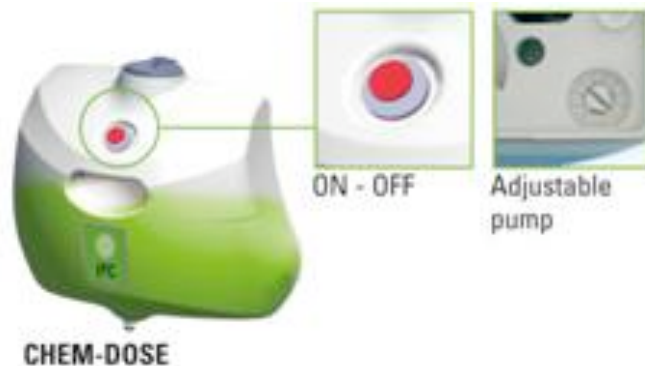
Spin on, spin off pad



Micro fiber pads (600 rpm / 3.5 oz per minute) 1.6 gallons per hour

Save up to 150 gallons of chemicals and avoid the waste of over 30-150 plastic chemical containers in a year

“Chem Dose” system, helps you save more than 90% of chemicals normally used with a traditional automatic scrubber.



Chem Dose is an innovative system which enables an automatic scrubber to handle detergent separately from the water tank. When scrubbing, Chem Dose pumps a chemical flow adjustable between 0 to 3% to offer precision control. Since there is only fresh water in the tank, this system also keeps solution lines clean.

Reduce Noise (6 dB lower noise level compared to other automatic scrubbers)



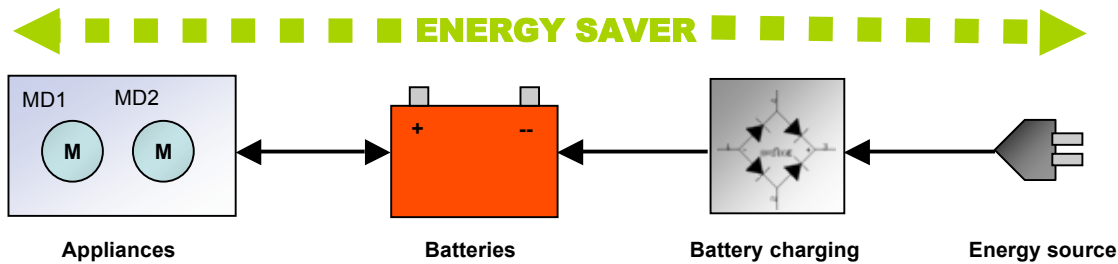
The CT40 ECS is as silent as it is efficient. Its secret is that when operating in the “Micro Scrub” setting, the micro fiber pads only slightly touch the surface, avoiding the annoying noise normally made by brushes and pads. The CT40 ECS is also equipped with a surprisingly quiet vacuum system.



Such characteristics allow the ECS to be used in surroundings such as hospitals, schools, offices, and public environments in general where operating with low noise is essential.

Average energy savings of up to 20%

The ECS “Energy Saver” technology has a 15 % lower energy absorption compared to traditional machines on the market. The battery recharging system, can reduce energy consumption by 30% compared to most chargers while saving precious battery cycles.



The “Energy Saver” is designed with important technological innovations on motor absorption, soft start system, auto power off and a very high performance re-charge ensures energy savings

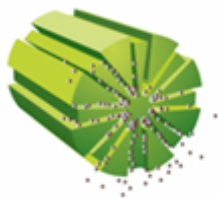
Micro- Scrub assures the highest standards of hygiene and cleaning



The ECS Micro Scrub™ system, puts to use all the advantages of using micro fiber for hygiene as well as for cleaning results.

Micro fiber is one of the most important innovations in professional cleaning made in recent years due to its electrostatic power (fine polyester threads) and its very high absorbing capacity (fine polyamide threads).

One thread of these fabrics, is 100 times thinner than a human hair. The fibers have the ability to penetrate deeply into surfaces to aggressively remove water and oil soluble soils as well as micro-organisms.

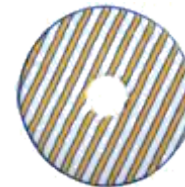


Micro fiber thread

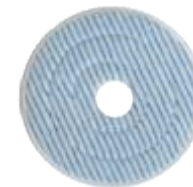
The wedge shaped borders creates a micro-abrasive action to remove and hold soil



Maintenance



Scrub



Shine

Clean and Shine Floors

The high speed 600 RPM Micro Scrub system can clean as well as help maintain the shine of your high gloss floors



“Get Right Sized”



Description	Continuous Run-time	Theoretical ft2 / Hour	Maximum Theoretical ft2 / Charge	Efficiency 70%
10/13 Gal. 20" Traction Drive				
115ah Battery	2.0	16,811	33,623	23,536
145ah Battery	2.5	16,811	42,028	29,420
155ah Battery	2.8	16,811	47,072	32,950
140ah AGM Batt.	2.7	16,811	45,391	31,774
100 ah Gel Battery	1.8	16,811	30,260	21,183



Technical data		CT 40	ECS	BT50
Cleaning system selected		<i>brush / pad</i> Microfiber		
Scrubbing width	Inches	20		
Brush/pad speed rotation	rpm	200		600
Solution / recovery tank capacity	gal	10 solution / 13 recove		
Average water consumption	gal / min	0.32		0.03
Surfaced cleaned with one full water tank	f ²	7400		31,000
Power supply with Energy Saver		24V		
Maximum speed	mph	2.8		
Dimensions (LxWxH)	inches	48x20x38		

* based on 2.8 hours run time at 70% efficiency with 155 Ah batteries