



**ENGINEERED
RECYCLING
SYSTEMS**



**ENERGY
SAVINGS**
due to low
pressure
loss

**No
compressed
air required**

up to
70,000 cfm
media change out
in a matter of
minutes

**SIMPLE
+ SAFE**

CCM[®] OCT – The Game Changer

WE LISTEN TO OUR CUSTOMERS

Engineered Recycling Systems takes decades of engineering experience and integration expertise to provide turnkey solutions.

We design, service and install world-class recycling and dust control systems. By providing our customers with equipment and system designs that deliver unprecedented levels of quality and craftsmanship, our solutions increase efficiency and cut labor costs.



SIGNIFICANT ADVANTAGES OVER CONVENTIONAL DUST FILTRATION TECHNOLOGY



By choosing our CCM® OCT Filter...

YOU SAVE



Air

There is **no compressed air** needed. So no air gets lost and has to be lavishly lead back into the building.

In addition: **no conditioned air** gets lost in summer. No heated air gets lost in winter.



Water

There is no water needed at all. So no polluted water has to be purified – which is a nice benefit for environment and one of our many ways to maintain sustainability.



Space & Surface

There is no extra space needed outside your production hall. The CCM® OCT can be built right into the production hall. Plant a tree instead, or do some beekeeping on your real estate.



Energy

Of course you need energy. But now you can save lots of kWh of energy per year for air conditioning and heating. And you do not have to pump compressed air through endless tubes at your site anymore.



Money

With no more need for compressed air, water, extra space and lots of additional energy, you save lots of dollars. Besides: there is no need to install endless tubes for compressed air and no costs for their maintenance.

YOU LOSE

Waste

You lose a lot of superfluous, dispensable waste, which otherwise would have been to be disposed or expensively purified.



As the CCM® OCT filter needs only one-tenth to one-fifth filter media for the same amount of air, compared to other technologies, there is much less used filter media to be disposed.

YOU WIN

Happiness

Just look at the employees and coworkers at your company now: there is no greater thing in the world than a genuine and appreciative smile directed right into your face.



Time

A whole lot of time you can now invest in much more useful things than thinking about dust collection problems.



Sleep

A good night's sleep. Based on a pure conscience having environmentally cared for the planet and taken further steps towards ensuring ongoing sustainability.



Continuous Cleaning Modular (CCM®) OCT Filter

ERS CCM® OCT filters are pressurized and therefore do not require an enclosure as many other systems do.

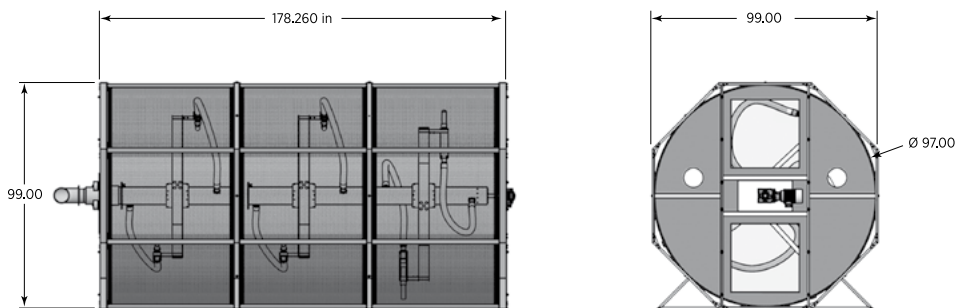
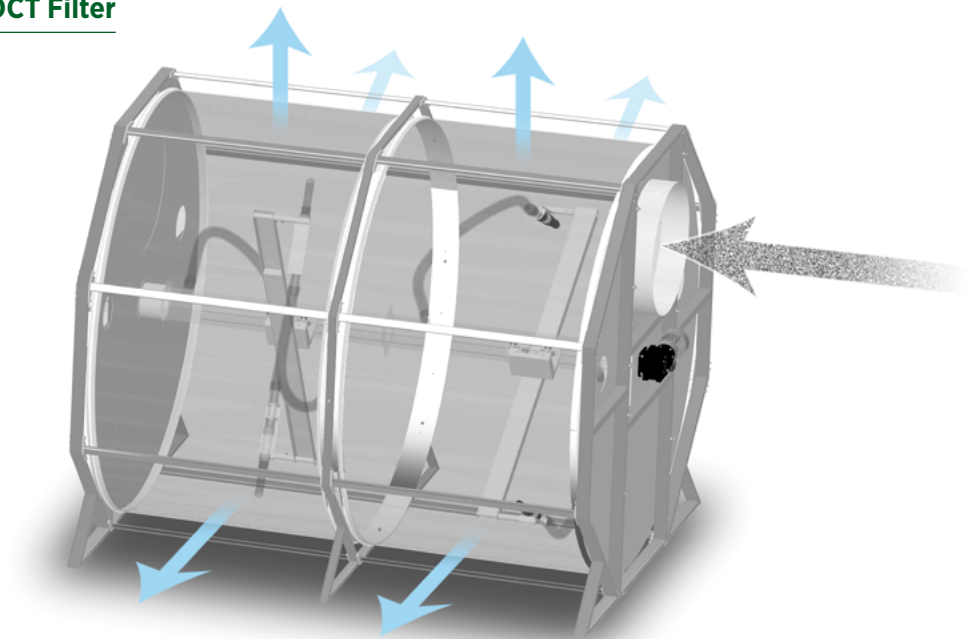
The airstream, which contains dust, enters the filter drum through the air inlet on the front or back of the filter. Rotating and moving horizontally anti-static suction nozzles inside the filter drum continuously vacuum dust and waste from the fine filter media.

Little air is required to clean the fine filter medium as the suction nozzles are very efficient. The specially designed anti-static suction nozzles touch the fine filter media, which guarantees high and efficient cleaning. All CCM® OCT filters are fully grounded to prevent static buildup.

The CCM® OCT filters are perfectly suitable for energy-efficient filtration of large volumes of dust-laden air.

The CCM® OCT Filter is a HIGH-EFFICIENCY FILTER with an application in various industrial sectors:

- **Corrugated**
- **Paper**
- **Cellulose**
- **Tissue**
- **Metals Recycling**



Why choose CCM® OCT Filter?

SIMPLE DESIGN, SOPHISTICATED TECHNOLOGY AND EASE OF MAINTENANCE

- **No tools for nozzle replacement required**
- **No chain and sprocket required**
- **No tools for media change required**
 - » just zip it up
 - » media change out in a matter of minutes
- **Filter is accessible for inspection during operation,**
 - » no shutdown required
- **Filter media with**
 - high dust collection efficiency
 - low resistance
 - a long service life
- **Filter media deep cleaned within minutes**
- **No pressure fluctuations within the system**
- **No compressed air required to clean the filter media**

Technical data CCM® OCT Filter

Type	Length inch (mm)	Height / Width inch (mm)
CCM® OCT 25/30	120" (3,000 mm)	99" (2,515 mm)
CCM® OCT 25/45	178" (4,500 mm)	99" (2,515 mm)
CCM® OCT 25/60	236" (6,000 mm)	99" (2,515 mm)
CCM® OCT 25/70	294" (7,500 mm)	99" (2,515 mm)

Dimensions were rounded for simplicity.

Filter medium CCM® OCT Filter



What makes ERS CCM® OCT filters so particularly sustainable?

ERS CCM® OCT filters are **exceptionally energy efficient** compared to conventional filter systems, as the filter media builds up almost no resistance due to the unique vacuum cleaning process, which deep cleans the media several times per minute.

Our filters also require a **significantly smaller filtration area** than all known alternative filtration technologies used in the corrugated and paper industry.

ERS CCM® OCT filters do **require neither compressed air nor water** to clean. The filtration systems are also installed on the factory floor and return the filtered air back into production. In addition, because of the indoor installation, no air is released into the open air, which has the huge advantage that **no air-conditioned air is lost**. This significantly **reduces energy costs** compared to systems that release the air into the environment.

Often our filters are installed above a basement press, which also **saves space in the building**. Due to the unique ERS system design, we have been able to build extremely compact filter systems that have a very small footprint.



ADVANTAGES OVER CONVENTIONAL DUST FILTRATION TECHNOLOGY

- Modular design permits precise adjustment to total air volume
- Filter is accessible for inspection during operation, minimal shutdown required
- Energy-saving operation due to low pressure loss
- No explosion venting needed
- No need for high speed abort gates
- OSHA and NFPA compliant
- Less downtime
- Lower maintenance
- Lower labor costs
- More efficient production equipment
- Cleaner and safer plant

CCM®
OCT Filters
are designed
for 99.9%
dust removal to
10 Microns



Advantages of Engineered Recycling Systems



Dust collection



Global Installations and
Customer Service



System Training



Trim Removal



US-based Spare Parts
Warehouse



Test Lab



Vacuum Transfer
Dust Control



Preventive
Maintenance Programs



Customer Info Portal

Best-in-class equipment proven to drive your business forward. And we back it all up with decades of experience.

Engineered Recycling Systems, LLC • 5010 McDougall Dr. SW • Atlanta, GA 30336, USA
Phone: 770-954-8780 • Fax: 262-247-0888 • E-mail: info@engineeredrecycling.com