

MEET THE MASTERS

***FM TECHNOLOGIES***

***MASTERS OF LIQUID-SOLID SEPARATION***

**Innovators & Developers of the Highest Performance  
Filtration Equipment in the World**

***INTRODUCES***

The **UNIVERSAL VACUUM FILTER**

**UVF™**

**All NEW Technology**  
PROPRIETARY  
**PATENTS PENDING**



**OUTPERFORMS ALL OTHERS!**

**FOR MANY APPLICATIONS**

**Mineral Concentrates • Mineral Tailings • Chemicals  
Food Products • Energy Production • Many Others...**

# COMPARE PERFORMANCE

## ACTUAL TEST RESULTS

Vacuum Filters:	Rotary Disc Filter 1	Rotary Disc Filter 2	Rotary Disc Filter 3	Ceramic Disc Filter 1	Ceramic Disc Filter 2	Ceramic Disc Filter 3	UVF™
Production <sup>1</sup> Solids/Filtrate	X	X	X	X	X	X	✓ 2 - 20x Production Rate
Cake Moisture	X	X	X	X	X	X	✓ 1 - 5% Lower Moisture
Power Consumption <sup>2</sup>	X	X	X	X	X	X	✓ 1/2 to 1/10 Power Consumption
Filtrate Clarity <sup>3</sup>	X	X	X	X	X	X	✓ Clearest - 1/2 or less ppm
Footprint & Infrasctructure <sup>4</sup>	X	X	X	X	X	X	✓ 1/2 to 1/10 Floor Space & Equipment

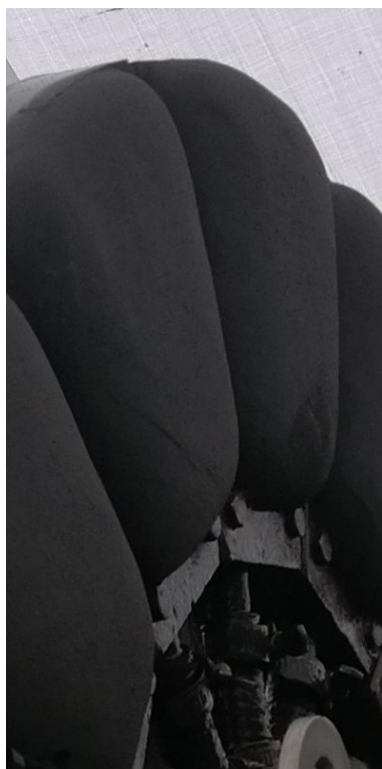
### Notes:

<sup>1</sup> Per unit filter area

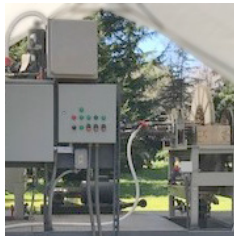
<sup>2</sup> KW per ton product

<sup>3</sup> Without duplicate filtration

<sup>4</sup> Floor space/infrastructure per unit production.



# FM



# TECHNOLOGIES

**FM Technologies** is uniquely qualified to provide the **best separation expertise available worldwide!**

**UVF™** filters are **BY FAR** the most versatile and highest performance vacuum filters available. **UVF™** displaces conventional rotary disc filters, ceramic disc filters, pressure filters, and filter media.

## *Advantages of* **The UNIVERSAL VACUUM FILTER - UVF™**

- **UVF™** offers... **ALL NEW TECHNOLOGY THAT OUTPERFORMS ALL OTHERS**
- **UVF™** offers... **HIGHEST THROUGHPUT PER UNIT FILTER AREA** –  
*Typically 2 to 25 times more product*
- **UVF™** produces... **THICKER & DRYER FILTER CAKE** (1 to 8 cm)
- **UVF™** produces... **LOWER CAKE MOISTURE** (1% to 5% lower)
- **UVF™** produces... **CLEANEST FILTRATE** (1/2 or less solids in filtrate)
- **UVF™** utilizes **LOWEST POWER CONSUMPTION** per unit production (tph)
- **UVF™** **ELIMINATES or REDUCES LOSS IN PERFORMANCE OVER TIME**  
*(no plugging of plates)*
- **UVF™** **ELIMINATES or REDUCES PLATE PROBLEMS & BREAKAGE**
- **UVF™** utilizes **SMALLER FOOTPRINT & LESS EQUIPMENT** -  
*Typically 1/2 to as little as 1/10 area of conventional technology*
- **UVF™** **ACCOMMODATES NEW HIGH PERFORMANCE FILTER MEDIA** – as well as  
*conventional filter media including ceramic, cloths, and specialized media*

**Our filtration masters will listen and will discuss with you the best options for your needs.**

# FM TECHNOLOGIES

**offers:**

## LABORATORY TESTING

We offer laboratory testing for process evaluation and proper equipment sizing.

## SCHEDULE A SITE LAB TEST!

Compare side by side filtration performance on-site.



## SCHEDULE A COMMERCIAL PILOT FILTER DEMONSTRATION!

Available on-site!



## UVF™ HIGH PERFORMANCE FILTER MODELS

Model	Dimensions (m) L x W x H	Weight (tons)	Throughput Range (MT/H)	Power (KW)
UVF Portable Skid-Mounted Series	Varies - Custom Models	2.1 - 8.5	Varies with Model	Varies - Custom Suited
UVF-M600	5.2 x 3.6 x 2.6	12.6 - 13.8	300 - 600	Varies - Custom Suited
UVF-M1200	8.1 x 3.6 x 2.6	17 - 18.1	600 - 1200	Varies - Custom Suited

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