

# Kalamit

Tireless

High performance magnetic separator

Made in Italy



# μ

filtering solutions

# μ

Here at Micronfilter we are profoundly convinced that creating something new is a huge responsibility. This is the reason why each of our products is designed, manufactured, tested and sold in the most absolute respect of the most advanced local and international rules and laws, with particular attention to the health of our workers, to the protection of the environment, to sustainable production policies based on rights, on information and transparency of all our actions.



Montfort International Itée  
2500 av. Watt, Québec (Qc), G1P 3T3, Canada  
1-800-463-6668 | (418) 877-0778  
info@montfort-international.com  
[www.montfort-international.com](http://www.montfort-international.com)

Every Micronfilter product is proudly Made in Italy with all our passion, creativity and precision.

# Kalamit

the magnetic separator



focus

features

Filtration without disposable filter media

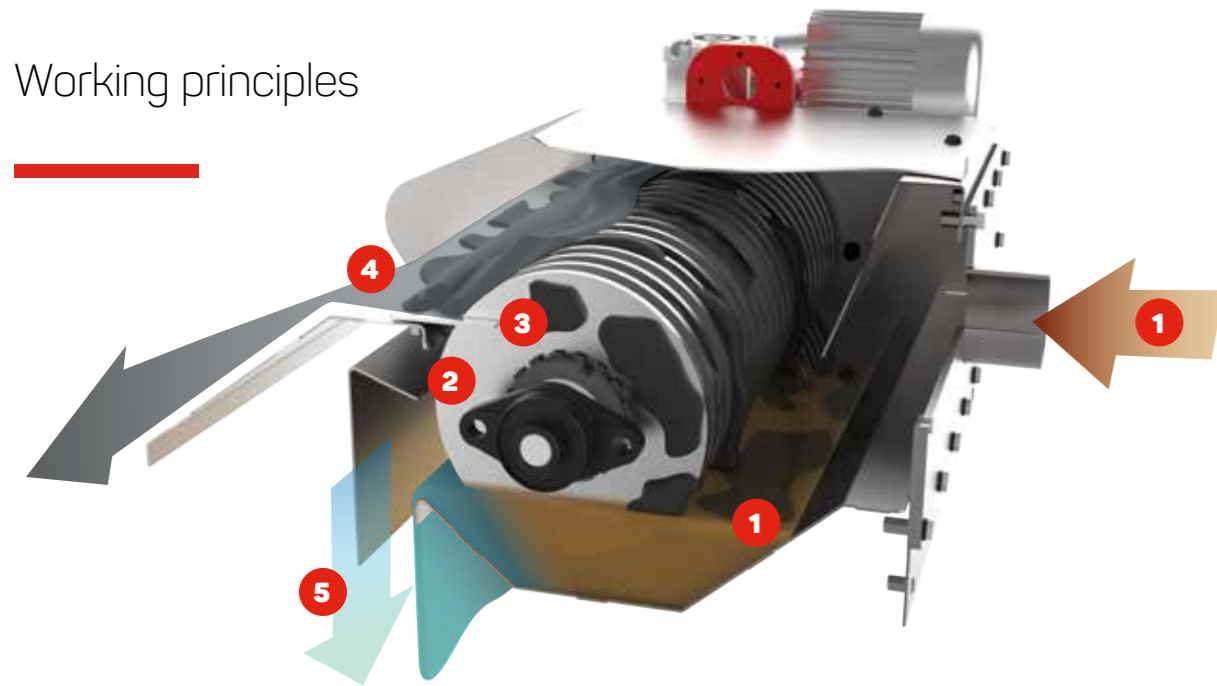
Flow rate from 50 to 500 l/min (10 to 132 gpm)

Improved safety by protection guards

Micronfilter  
FILTERING SOLUTIONS

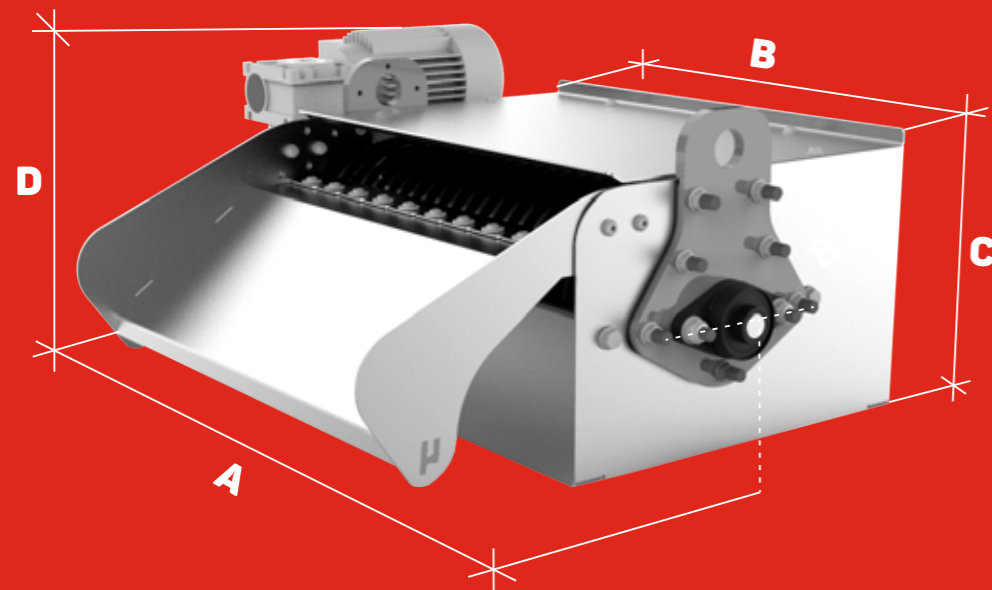


## Working principles



The dirty liquid (1) enters the Kalamit by gravity or by pump. Ferrous solids particles get attracted by the rotating magnet disks (2) then get removed from the magnetic disks by an adjustable "comb scrapers" (3) which pushes the collected sludge (4) down an adjustable slide into the sludge collection tank. The purified liquid (5) flows out the bottom of the Kalamit into the containment tank and sent back to the machine tool by an electro-pump. This magnetic separator does not use any filter media, avoiding disposal.

## Main dimensions



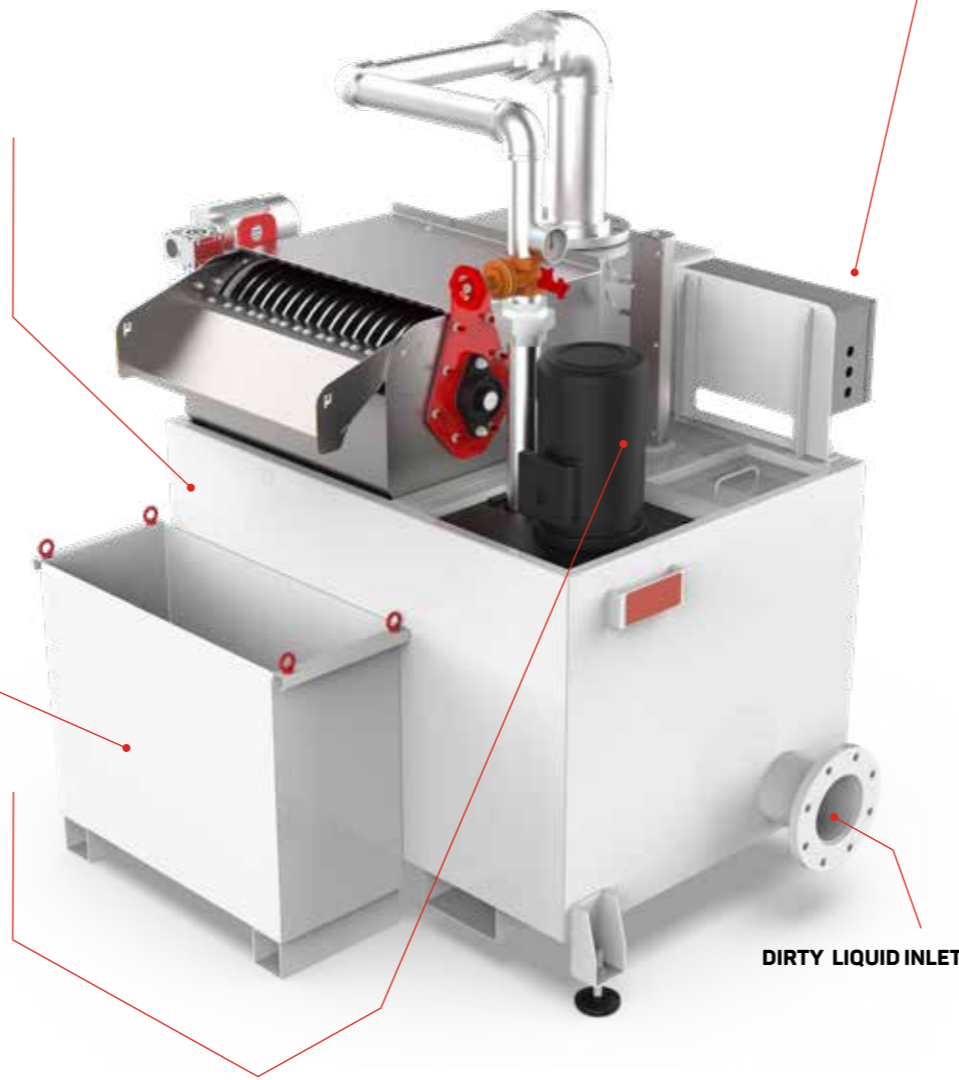
## Kalamit Station

**CONTAINMENT TANK** standard or custom-designed for the space requirements of the end user.

**ELECTRO-PUMP** for supply clean coolant to the machine tool at the required flow rate and pressure.

**SLUDGE TANK**

**ELECTRICAL CONTROL PANEL** standard or completely customized according to the machine's needs.



**DIRTY LIQUID INLET**

Model	Emulsion Flow Rate (l/min - gpm)	Neat Oil Flow Rate (l/min - gpm)	A (mm - in.)	B (mm - in.)	C (mm - in.)	D (mm - in.)	Gear-Motor Power (kW - HP)	Weight (Kg - lbs)
<b>Kalamit 75</b>	75 - 20	37 - 10	350 - 13.77	180 - 7.08	220 - 8.66	287 - 11.29	0,12 - 0,16	30 - 66
<b>Kalamit 150</b>	150 - 40	75 - 20	556 - 21.88	300 - 11.81	220 - 8.66	287 - 11.29	0,12 - 0,16	55 - 121
<b>Kalamit 250</b>	250 - 66	125 - 33	716 - 28.19	460 - 18.11	220 - 8.66	287 - 11.29	0,12 - 0,16	70 - 154
<b>Kalamit 350</b>	350 - 92	175 - 46	916 - 36.06	660 - 25.98	220 - 8.66	287 - 11.29	0,12 - 0,16	85 - 187
<b>Kalamit 500</b>	500 - 132	250 - 66	1196 - 47.08	940 - 37.01	220 - 8.66	287 - 11.29	0,12 - 0,16	130 - 287

## Best application solutions



The KALAMIT magnetic separator is designed to fit all Micronfilter indexing media filters and will significantly improve filtration performance. The KALAMIT can be used separately or with all Micronfilter filter systems. The KALAMIT is designed to separate the ferrous/magnetic solids from the lubricant and takes the filtration load off the filter system. When using the KALAMIT magnetic separator with our Micronfilter systems, filter life is extended, maintenance and disposal costs reduced.



When using the Kalamit as a prefilter to our SPIN self-cleaning filter system, Micronfilter can reduce the cleaning cycles and maintenance required. The SPIN self-cleaning filter system does not use any disposable filter media, solids removed are deposited into a waste hopper.

The KALAMIT station is a customized solution Micronfilter can offer specifically tailored to the customers application. The KALAMIT separates ferrous/magnetic particles from the liquid, the purified liquid flows into a lower holding tank and is pumped back to the machine tool. Micronfilter can supply a wide range of customized tanks, control systems and pumps to meet any requirement.



**Montfort International Itée**  
2500 av. Watt, Québec (Qc), G1P 3T3, Canada  
1-800-463-6668 | (418) 877-0778  
info@montfort-international.com  
[www.montfort-international.com](http://www.montfort-international.com)

## About the Micronfilter KALAMIT

The "Kalamit" series of magnetic purifiers for coolants and lubricants is suitable for all machine tools in the metalworking industry. The Kalamit magnetic separator is designed for use with all water based emulsions or neat oils (maximum viscosity of 20 ° cSt at 40 ° C), for flow rates from 37 to 500 l / min (10 to 132 gpm). The KALAMIT magnetic disk filter does not use any disposable filter media, allowing for easy disposal of solids removed.