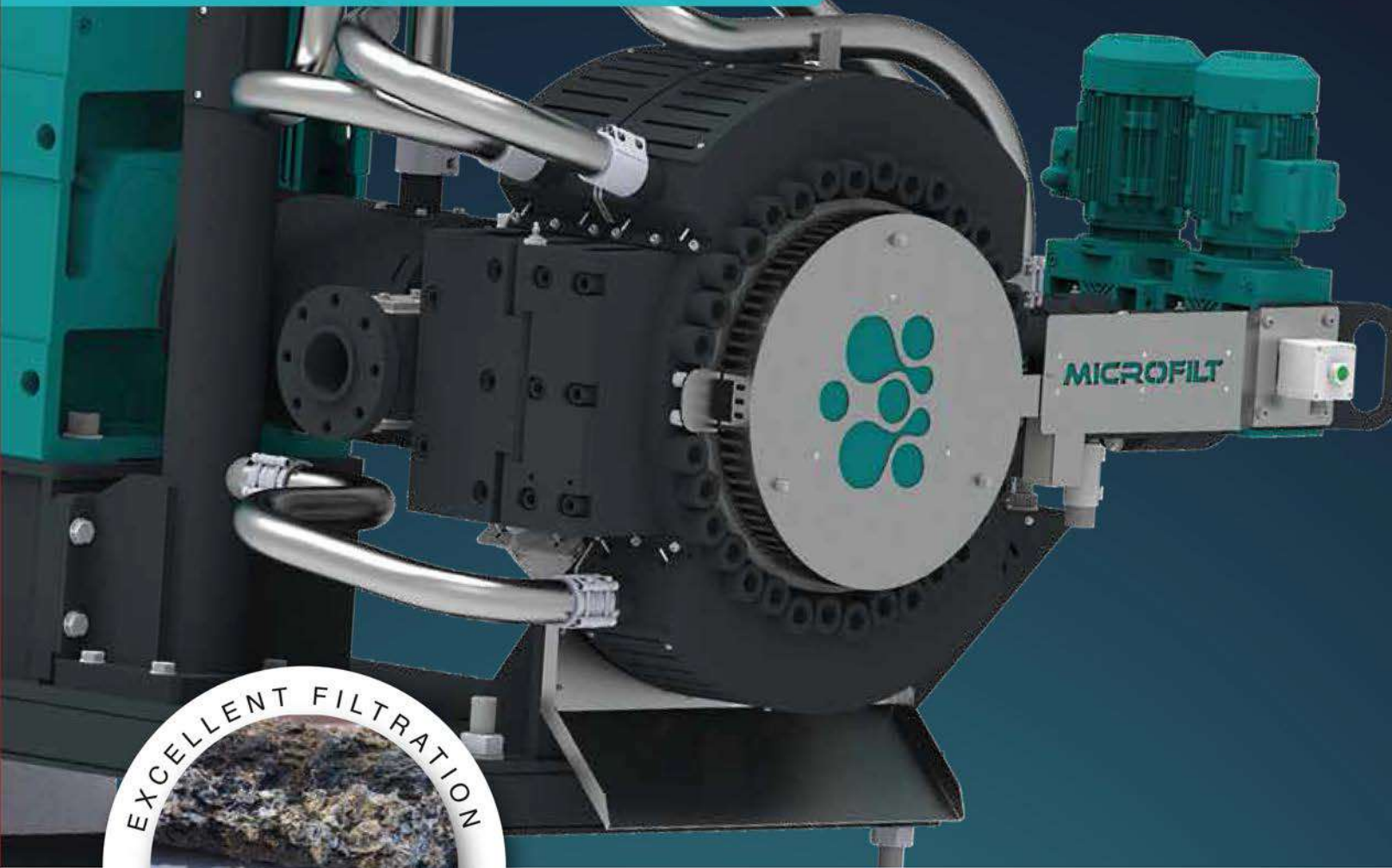


For those who desire  
perfect filtration

# MICROFILT LASER DISC FILTER

EXCELLENT FILTRATION PERFORMANCE



 **MICROFILT**  
PLASTIC FILTRATION TECHNOLOGY

 **ALTECH**  
recycling technology

# HIGH

FILTRATION PERFORMANCE  
PROFITABILITY  
PELLET QUALITY



Thousands of conical drilled micro holes are available on the filter screen surface. Under pressure, contamination is discharged by scraping without permitting to pass through the filter. By this way, black dots formed as a result of elastic form and degradation are removed without allowing any passages.

A system of a technology marvel enables exact cleanliness, transforms the product into practical and useful form by discharging the contamination continuously thanks to micro conical holes.

PERFORMANCE

 **MICROFILT**  
PLASTIC FILTRATION TECHNOLOGY



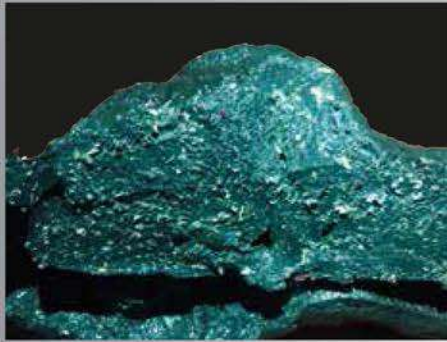
# Removes contamination

## Eliminates operator role

### Washed Post Consumer (LDPE-LLDPE)



INPUT



CONTAMINATION



OUTPUT

### Washed Film (LDPE-LLDPE)



INPUT



CONTAMINATION



OUTPUT

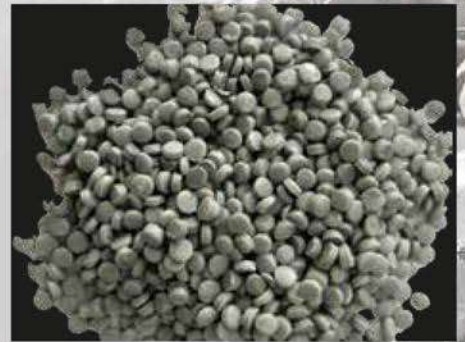
### Washed Post Consumer PP Woven



INPUT



CONTAMINATION



OUTPUT

### HDPE Regrinds



INPUT



CONTAMINATION



OUTPUT





## PROVIDES PROFITS IN EVERY ASPECT

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✓ The filtration opportunity along with 110,130,150,170,250,300  $\mu\text{m}$  hole dia.

✓ Paper, wood, dust, rubber, silicone, polyester, unmelted particles and black dots composed of degradation are removed from the polymer.



PROFIT FROM  
LABOR COST

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PROFIT FROM  
CAPACITY DIFFERENCE

---



PROFIT FROM  
ENERGY SAVINGS

---



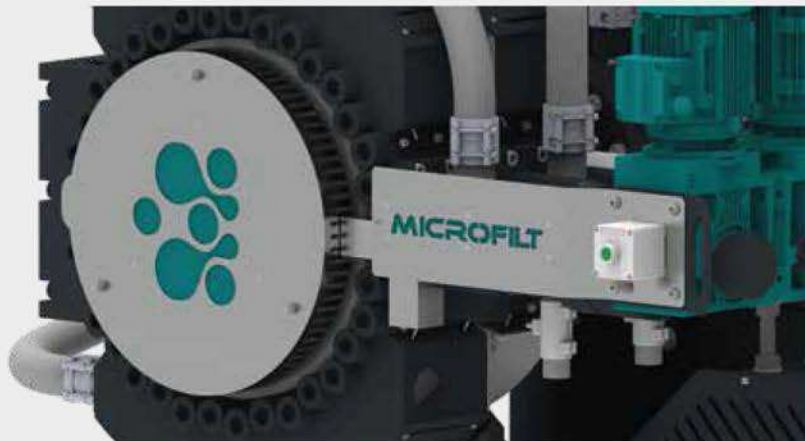
PROFIT FROM  
MELT LOSS





## HIGHER QUALITY APPLICATIONS

Minimum Melt Loss  
Maximum Contamination Discharge



**As a result of the application;**  
Reduced blackdots on the surface  
Increased line speed  
Decreased labor cost

# LDF Performance Series

Microfilt Disc Filter



## LDF SERIES

Microfilt Disc Filter

MODELS

Technical Data

LDF 300

LDF 500

□ Filtration Surface Area

1150 m<sup>2</sup>

2650 cm<sup>2</sup>

□ Disc Diameter

300 mm x 2

500 mm x 2

□ Capacity

300 - 600 kg/h

700 - 1500 kg/h

□ Max. Pressure

250 bar

250 bar

□ Filter Hole Diameter

110/130/150/170/250/300 μm

110/130/150/170/250/300 μm





- » Production without frequent screen changes for weeks
- » Elimination of operator sourced capacity reduction, late filter replacement and constant operator control
- » Prevention of annual tonnes of plastic loss
- » Maximum output, minimised melt plastic loss
- » Ensuring higher quality product by means of micro conical holes
- » Increase of profitability rate and extruder capacity in highly contaminated products
- » Decrease of energy and labor cost expenses
- » Boost of plastification and product brightness thanks to pushing force by micro holes
- » Rise of profit rates by means of high added value products due to continuous automatic filtration specialty.
- » Full automatic operation system and continuous separation of the contamination from the melt plastic

## WHY MICROFILT LASER DISC FILTER?



Extensive Product  
Information with your  
Smart Device

# MICROFILT LASER DISC FILTER

EXCELLENT FILTRATION  
PERFORMANCE



PROFIT FROM  
LABOR COST



PROFIT FROM  
CAPACITY DIFFERENCE



PROFIT FROM  
ENERGY SAVINGS



PROFIT FROM  
MELT LOSS

EXCELLENT | FILTRATION  
RESULT



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