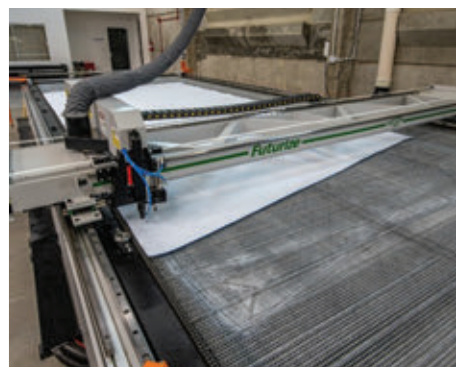


# Liquid Filtration

Industry-Leading  
Liquid Filtration Solutions  
For Demanding Industries



The Micronics Engineered Filtration Group and trusted industrial filtration brands – Micronics, SOLAFT, NFM, and FilterFab – have been trusted suppliers of high-quality liquid filtration media for over 45 years. From alumina refining to chemical manufacturing, pigments, mining & mineral processing, battery recycling, and wastewater treatment for heavy industry, our team’s filtration solutions are proven to deliver improved efficiencies and process improvements in some of the world’s harshest conditions.

Our success is based on attention to detail in filter media manufacturing, and deep technical expertise, application knowledge, and our teammates’ years of experience worldwide. We excel in filter media solutions, filtration equipment for liquid-solid separation, and on-site field services to support our customers’ needs.

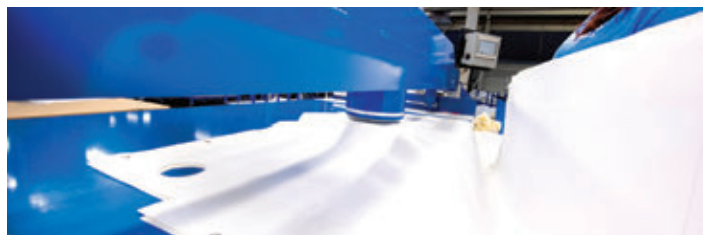
## Pressure Filtration

The Micronics Engineered Filtration Group is a recognized worldwide market leader in filter media and filtration equipment for liquid-solid separation. A long-standing source of differentiation for Micronics is in our manufacturing of Filter Press Cloth and Belt Filters for a range of demanding industries. Our high-quality Filter Cloth and Belts help customers improve performance and gain cost-efficiencies.

## Filter Press Cloth

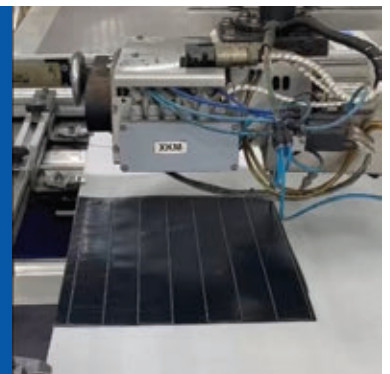
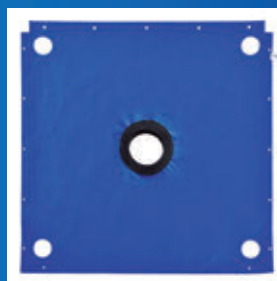
The Micronics Engineered Filtration Group excels in Filter Press Cloth Solutions for virtually every type of filter press worldwide including innovative Sidebar and Overhead beam designs, ours and all other OEMs. We expertly manufacture Filter Press Cloth for 470mm, 630mm, 800mm, 1000mm, 1200mm, 1500mm and 2000mm+ Filter Presses. We utilize innovative manufacturing including cutting-edge laser-cutting for speed and precision, edge sealing, and innovative solutions such as our HPR™ Feednecks for better performance.

Our range of innovative fabrics and help in proper cloth selection - for every industry and set of operating conditions - is legendary. We manufacture filter press cloth for all plate types from CGR to Non-gasketed (NG).



## SOLAFT® PrimaPress™

Our SOLAFT® PrimaPress™ filters are used in demanding industries like Alumina for red mud dewatering. Our rugged, reliable SOLAFT® PrimaPress™ filters are designed and crafted using premium materials and cutting-edge fabrication equipment to deliver longer cloth life, optimal cake release, and the right cake moisture per cent.

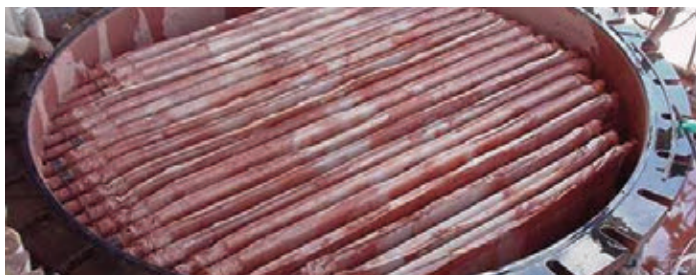




## Kelly Filters

SOLAFT® Kelly Filters are a leading liquid-solid separation solution for the Alumina industry. We have developed our renowned SOLAFT® Kelly Filters to withstand the harshest operating conditions, improving flow performance, and providing excellent recovery after washing, while limiting the effects of scale build up and providing abrasion resistance, resistance to high temperatures, and resistance to high-alkali chemical attacks.

Our fabrics and constructions are designed for long filter life and excellent filtration performance, based on years of experience in serving the Alumina Refining industry.



## Back Flush Pressure Filters for Diastar™ Vertical Pressure Leaf Filters

SOLAFT® Back Flush Pressure Filters are expertly manufactured on start-of-the-art equipment for Diastar™ Filters (Gaudfrin) used in Alumina Refining. Our SOLAFT® Diastar™ Filters withstand harsh operating conditions including high temperature, high flow rates, backflushing with filtrate after each filtration cycle, caustic wash cycles, and resistance to scaling. Our SOLAFT® Diastar™ Filters are manufactured with integrity to withstand longitudinal sewing thread failure, a common failure mode.



## Vertical Tower Press Cloth

Our specially-designed, heavy-duty SOLAFT® Vertical Tower Press Filter cloth for presses like Larox® (Metso) are used in a variety of demanding chemical, pigment, minerals processing, and waste applications.

Our SOLAFT® Vertical Tower Press Cloth are manufactured from polypropylene and polyester materials and designed to optimize cake release, resistance to blinding, filtration efficiency, percent solids, and filtrate clarity along with cloth stretch/shrink and abrasion resistance.



## Pressure Leaf Filters

Micronics delivers high-quality pressure leaf filter bags and leaf covers for a host of demanding pressure leaf applications. Our expertise in both pressure leaf manufacture and filter media gives us keen insights into ensuring long-lasting performance, endurance to high temperatures, excellent cake release, and high filtration throughput.

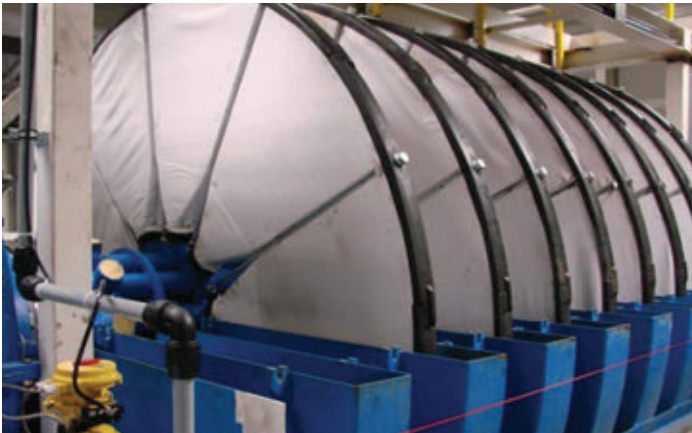


## Vacuum Filtration

The Micronics Engineered Filtration Group is a leader in Vacuum Filtration Solutions. Micronics – through its trusted brands such as NFM® and SOLAFT® – manufactures a wide range of custom-engineered Vacuum Filters including Disc Filters, Drum Filters, Horizontal Belt Vacuum Filters, and Vacuum Pan Filters.

## Rotary Vacuum Disc Filter Media

When it comes to Liquid-Solid separation, we have been making sector cloth for Rotary Vacuum Disc Filters since these filters were first put into service. We custom-design our filters to meet demanding filtration applications including Alumina Refining, minerals processing, power generation, steel manufacturing, and wastewater with attention to improving liquor flow rate, correct sealing, and cleanability. Our high-performance fabrics have excellent resistance to scaling and abrasion to deliver longer life and less equipment downtime.



## SOLAFT® PrimaDisc™ Filters

The SOLAFT® PrimaDisc™ product line is part of Micronics' proprietary range of products used in Rotary Disc Vacuum Filter applications. Our SOLAFT® PrimaDisc™ minimizes residual cake moisture, while allowing for efficient cake discharge. Built to withstand the harshest and most abrasive operating conditions, our SOLAFT® PrimaDisc™ delivers longer filter life and higher equipment uptime.





## Rotary Vacuum Drum Filters

Our Rotary Vacuum Drum Filters are used in demanding industries including Alumina Refining, Mineral Processing, and Pigments. We combine our extensive vacuum filtration equipment expertise with an extensive knowledge of technical fibers and fabric performance, allowing us to engineer Drum Filter media with improved flow performance, excellent cake release, and low achievable cake moisture. Our cloths are designed to eliminate blinding and allow for excellent wash recovery, providing for long service life.



## Vacuum Pan Filters

Mainly used in the Alumina Refining industry for the filtration and washing of coarse-grained slurries, our SOLAFT® Vacuum Pan Filters are engineered using polypropylene and nylon fibers. The premium, high-efficiency fabrics improve cake washing effectiveness, overall filtration rate, caustic recovery, and produce exceptional cake moisture.

## Horizontal Belt Vacuum Filters

Micronics is a leader in Vacuum Filtration Solutions including large NFM® HBVFs for demanding applications such as Alumina Refining and Mineral Processing. We combine our textile expertise, vacuum filtration equipment and field service expertise to provide industry-leading filter HBVF media solutions, including rubber drainage belts.

We have developed high-performance non-woven fabrics as well as woven fabrics that significantly increase the operational time between belt changes as well as increase efficiencies.

We have also developed edge tracking solutions to make your belts stay in alignment and we offer "endless" belt solutions that reduce vacuum leaks while the closure is on the vacuum zone of the filter.



The Micronics Engineered Filtration Group is a leading global industrial filtration company with a long-standing legacy in Liquid Filtration spanning outstanding Filter Media, Pressure Filtration equipment, Vacuum Filtration Equipment – DVFs, RVDFs, and HBVFs - and a wide range of Field Services, In-House Laboratory Services, and Training.

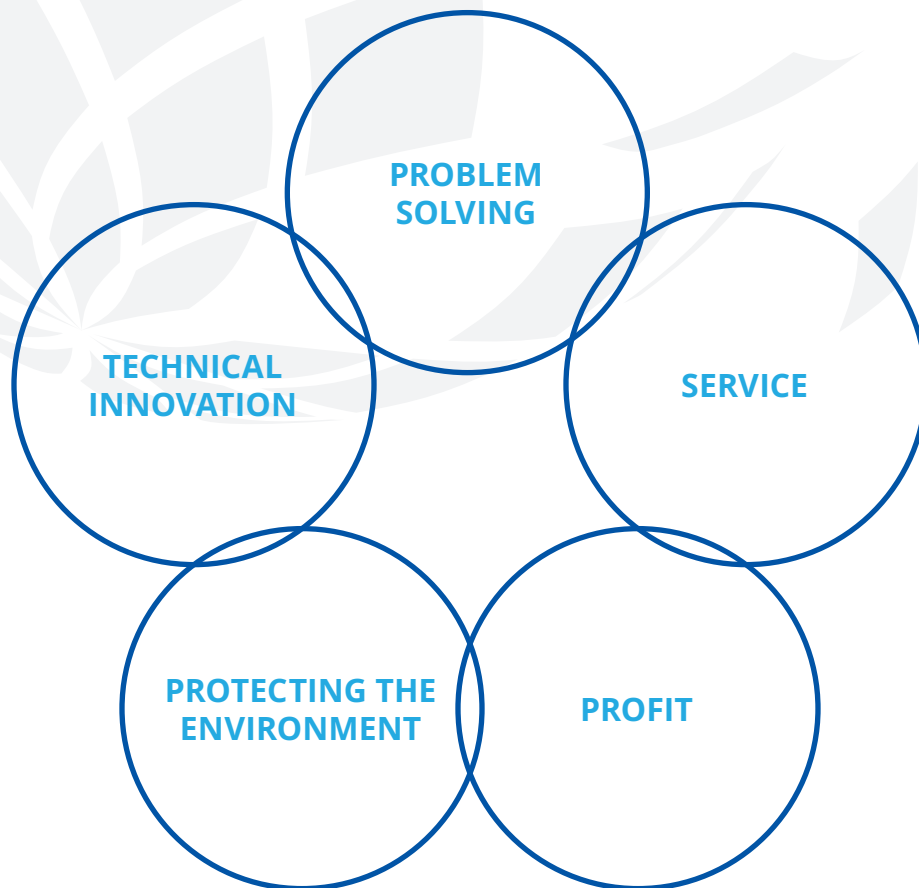
We have the deep technical expertise to support your demanding liquid-solid separation needs, whatever your industry from alumina refining to aluminium, battery recycling, chemical manufacturing, pigments, mineral processing, and more.

Micronics' extensive filtration manufacturing and service facilities in the USA, Canada, Mexico, Brazil, China, India, the UK, and Australia stand ready to meet your needs.

From Filter Press Cloth to Kelly Pressure Filters to Back Flush Filters to Disc Filters, it's all right here at the Micronics Engineered Filtration Group. We invite you to contact us and explore how our Total Engineered Filtration Solutions can benefit your application needs.

# MICRONICS

ENGINEERED FILTRATION GROUP



MICRONICS

SFM



AFT

SOLAFT



NFM

Filterfab