

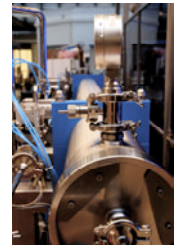
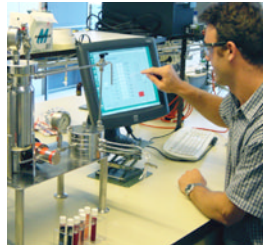


Essential Partner In Membrane Technology

MMS
Membrane Systems

MMS are specialized in separation solutions for the food, beverages and bio-pharmaceutical industries, using our core competency of membrane technology.

Our strength is in our membrane know-how and the understanding of which membrane technology will best meet your product and process requirements.



„from sample to process“

Process Development

MMS offer screening trials and process development in our laboratory. Processing your product in our laboratory gives a quick but detailed insight into the performance and potentials of a possible membrane process. MMS have a range of laboratory, bench and pilot units for rent and sale.

- *Membrane screening & selection*
- *Process development*
- *Laboratory test systems*
- *Pilot scale test systems*



Services

MMS supply a range of membranes and their installation. Our membrane specialists can help you rapidly optimise a process or troubleshoot a processing problem.

- *Membrane replacement*
- *System maintenance*
- *System troubleshooting*
- *Process optimisation*
- *CIP optimisation*



Systems

MMS focus on customers processing goals. Throughout the MMS process solution path we never lose track of the engineering parameters. We develop with mind to design, construct and implement

- *System concept and costing*
- *System engineering*
- *System construction*
- *System implementation*



The introduction of a membrane process can potentially add major advantages in terms of new product development, improved product quality and more economic processing.



„membrane solutions for industry “

Dairy

- Whey and lactose concentration
- Whey protein concentration
- Skimmed milk concentration
- Whole milk concentration
- Whey sterilisation
- Skimmed milk sterilisation
- Fractionation of oligosaccharides
- Lactose hydrolysis membrane reactor

Bio-Pharmaceutical

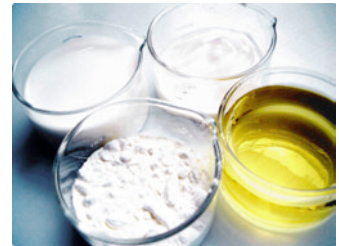
- Fermentation broth clarification
- Protein and enzyme concentration
- Small molecule concentration and de-salting
- Solvent recycling

Food & Beverages

- Extract clarification & concentration
- Extract fractionation
- Selective enrichment of functional ingredients
- Soya milk de-bittering & concentration
- Gelatine clarification & concentration
- Clarification & Stabilisation of juice
- Colour recovery
- Aroma recovery
- Juice pre-concentration
- Juice de-acidification
- Fractionation of carbohydrates

Industrial Water

- Biomass clarification
- COD reduction
- Oil-water separation
- Heavy metal removal



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History

MMS was founded in 1995 and has over 10 years of experience with membranes and their applications.

Innovation

MMS philosophy is to innovate continuously in order for our customers to have the latest membrane technology and process.

Flexible

MMS consist of a small team of experts allowing us to rapidly identify critical parameters during process development in order to provide our customer with the optimum process solution.

Swiss

MMS is based in Zurich, Switzerland and work to the high Swiss standards. We use a close network of specialised partners to give the complete solution to specific industries.

Know-how

Membrane technology know-how is the backbone of **MMS**.