



Membrane Systems

Hollow Fiber / Flat Sheet

Membrane Manufacturing & Evaluation systems

PHILOS 

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Company Introduction

MD has been providing a total solution to membrane systems based on the various membrane manufacturing technologies of PHILOS Co., Ltd., its parent company. During its more than 10 years of experience, MD has provided hollow fiber / flat sheet membrane manufacturing systems, modularization systems, and performance evaluation systems worldwide. The systems have been produced to precisely meet the customers' needs from lab scale to commercial scale systems. Novel technology applied systems such as PRO coating and FO systems are also provided through consistent R&D. Technology transfer is also an option for many to construct commercial scale factories.

Products

Commercial Production

Hollow fiber manufacturing system for water treatment for household and industrial use
RO manufacturing system for household and industrial use

Hollow Fiber Membrane

Spinning
Dope formulation & purification
Coating
Potting & cutting

Performance Evaluation

UF/MF/RO evaluation
MBR process evaluation
MD/PRO/FO/GS

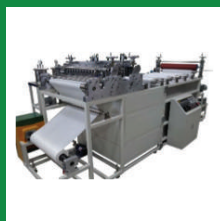
Flat Sheet Membrane

Membrane casting
TFC (Thin Film Composite) coating
Rolling

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R&D and Pilot Scale Systems

MD provides various systems related to hollow fiber and flat sheet membrane manufacturing. Total solution is provided with membrane manufacturing systems to membrane performance evaluation systems. Systems are custom made accordingly to suit customer's needs precisely. Systems for R&D and pilot scale systems are provided to research institutes and companies worldwide who pursue membrane manufacturing researching and commercial scale production in a long term.



Commercial Scale Systems

MD provides commercial scale membrane manufacturing systems based on their rich experience in membrane manufacturing. Commercial scale systems are provided along with technology transfer on membrane manufacturing to allow customers a total solution to membrane manufacturing technology.

[Hollow Fiber Membrane Module Manufacturing Process]



Dope Formulation > Spinning > Coating > Modularization > Cutting

[Flat Sheet Membrane Module Manufacturing Process]



Dope Formulation > Casting & Coating > Drying > Rolling & Trimming



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www.philosmembrane.com

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