13th Foresight Conference on Advanced Nanotechnology

eMembrane, Inc.
~ A Brush Up Technology Company ~

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eMembrane’s Nano-Grafting Technology

Base membrane → nano-grafting → Grafted membrane → functionalization → Functionalized membrane

polymer surface

Hollow fiber | Nonwoven cloth | Film | Pipette tip | hf-module

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Global Market Potential (2005)

- **Total market size:** $63.1B

  - *Water Treatment Membranes* $9.8B AAGR 11%
  - *Functionalized Films* $9.1B AAGR 4-25%
  - *Sensors* $9.4B AAGR 13-19%
  - *Separation/Purification Membranes* $7.2B AAGR 15-58%
  - *Antibacterial/Antiviral Membranes* $6.3B AAGR 7-15%
  - *Others* $6.2B AAGR 10-15%
  - *Packaging Materials* $5.2B AAGR 3-6%
  - *Artificial Organs* $9.9B AAGR 5-12%
  - *Artificial Kidney* • Artificial Lung • Cell Therapy Device • Leukocyte Removal
  - *Antibacterial/Antiviral Membranes* • Virus Separation • Bacteria Separation • Virus Concentration
  - *Artificial Organs* • Functional Films
  - *Others* • Analytical Tools • Diagnostics • Bioreactors • Energy • Aquaculture • Animal Farm
  - *Packaging Materials* • Functional Films
  - *Water Treatment Membranes* • Process Water • Potable • Water for Injection
  - *Functionalized Films* • Electronic Films • Barrier Films • Organic-Inorganic Hybrid Materials • Semiconductor Films
  - *Sensors* • Biosensor • Chemical Sensors
  - *Separation/Purification Membranes* • Proteomics Tools • Protein Separation

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