

Ongoing *SUCCESS* *STORIES* in the Industrial Sector

- 40Catalytic Distillation
- 41Membrane Distillation
Beck Dyeing Modifications
- 42Solid-on-Solid Processing
Foam Processing
Hyperfiltration in the Textile Industry
- 43Membrane Separation in the Sweetener Industry
Energy-Efficient Fertilizer Production
- 44Irrigation Systems
Oxygen Production by Chemical Air Separation
Carbon Dioxide Recovery from Industrial Waste Streams
- 45Nitrogen-based Carburization
High-Performance Slot-Forge Furnace
Ductile-ordered Alloys
- 46Separation of Impurities from Molten Metals
High-Purity Silicon Powder Process
Whisker-toughened Ceramic Composites
- 47Ceramic Surface Modifications
Ceramic Joining
Magnetic Resonance Imaging for Advanced Ceramics
- 48Cement Particle Size Classification
Coatings for High-Speed Cutting Tools
High-Efficiency Welding Unit
- 49Improved Pulse Combustion Technology
Fluid-Elastic Instability in Heat Exchangers
Industrial Air-Dryer Membrane
- 50Genetic Engineering for Efficient Biochemical
Processes
Efficient Aerobic Fermentation
- 51Designing Biocatalysts for Energy-Efficient
Chemicals Production
High-Productivity Bioreactor
Coal-fired Steam Turbine Cogeneration
- 52Organic Rankine Bottoming Cycle
- 53Slow-Speed Diesel Cogeneration
Fluidized-Bed Waste-Heat Recovery System
- 54High-Temperature Recuperators
Innovative Coil-coating Ovens
- 55Brayton-Cycle Solvent Recovery
- 56Electroplating-Wastes Concentrator
Black Liquor Gasification
- 57Recycling of Postconsumer Plastic Scrap
Boiler Workshops
Energy Analysis and Diagnostic Centers

