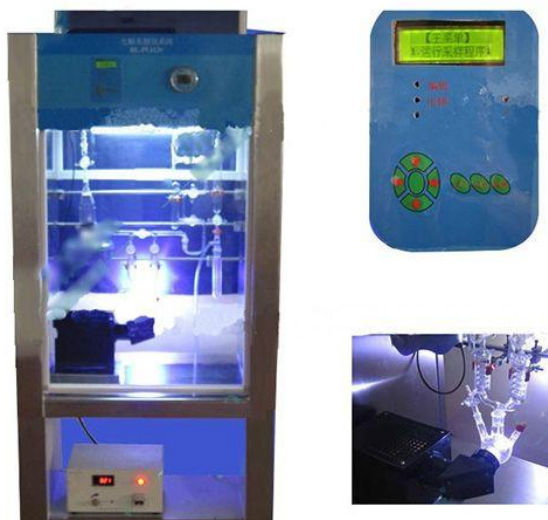


Photocatalytic water splitting



Rotary Evaporator

 Scraped Film Evaporator /
Short Path (Molecular)
Distillation System

 Chemical Glass
Reactor

 High Shear Homogen-
eous Emulsification
Reactor

 Pilot Ultrasonic
Emulsification Reactor

 Vacuum Filter / Glass
Liquid Separator

 Photochemical
Glass Reactor

 Hydrothermal
Synthesis Reactor

 High Pressure
Reactor

Major Components	
Photodegradation System	TPR-Solar system
Clean Bench	Clean Bench one set
General Frame	Stainless steel
Glass Piping System	<ol style="list-style-type: none"> Includes Transmission Light Reactor, Quartz Glass System. Use Six Flux Valve to Control Hydrogen Circulation. Stainless Steel Connection Support Frame Consists of 7 suits of (A-G) <ol style="list-style-type: none"> With Emptying Valve; Connect with Vacuum Meter and Vacuum; Connect with Electromagnetic Air pump; Condenser Pipe; Vacuum Pipe; Connect with Vacuum Pump and Cold Trap; Ground Glass Tube for Cold Trap Use; Glass and Metal Connection
Reactor	150ml or 250ml Silica Glass Split-type Reactor
Vacuum System	Pump Model: 2XZ-2, Produced by TOPTION company; Vacuum tubes, vacuum grease. Optional German Vacuum Pump(Price need to be Inquiry)
Fully automatic Sampling System	<ol style="list-style-type: none"> Consists of Precise Sampling Tube, Application Valve Body, and Control Panel, etc. Two Special joints for 3mm and 6 mm Gas Chromatography Glass Piping. Ten Meters of 3mm Chromatography Glass Piping. Two Joints for 3mm Chromatography Glass Piping and Chromatographic Instrument (GC system is optional)

Photocatalytic water splitting

UV Energy Meter	<ol style="list-style-type: none"> Wavelength Range (Either-or) <ol style="list-style-type: none"> No.1 Probe λ:400~1000nm; No.2 Probe λ:725~1050nm; Irradiance measurement range: 0.1~1.999\times105μW/cm² Degree of Accuracy:\pm5% (Related to NIM Standards) Repeatability: \pm1% Cosine Characteristics:f₂\leq4% Response Time: 1 Second Service Environment: Temperature 20\pm20°C, Humidity <85% Size and Weight: 180\times80\times36mm, 0.2kg Power: 1 Piece of 9V Packed Cell
Vacuum Meter	<ol style="list-style-type: none"> Model DZA1 resistance vacuum gauge Testing Range: 100000(Atmosphere)~0.05Pa The output control: 220V/3A two-way relay(With Coded lock) Display units: Torr, Pa, mbar data output: RS485(with communication CD) (Option):0-5V,1-5V,4-20mA AO(analog output) Equipped Pipe: ZJ-52 or ZJ-52K Panel Size: 96W\times96H\times180D Opening Size: 92W\times92H
Filter	<p>Two Pieces</p> <ol style="list-style-type: none"> Transmission Optical filter with diameter of 50mm UV reflecting part, Transmission visible and Infrared parts,70mm*70mm square piece. These type is optional : 365nm , 380nm, 400nm, 420nm ,435nm,450nm,475nm, 500nm,520nm,550nm,UVRFE,UVCUT
Light Source	PE300BF(Imported from USA), 2000 hours life. Or you can choose China light source,1000 hours lift
TOP-X300	Power: 300W, External or projection type, Parallel light output.(TOPTION)
TOP-X300UV	Power:300W,Includes Integrated type 300W UV Reinforced Xenon LampExternal or projection type (TOPTION)
Light source Controller	Ballast, trigger, start-up system,300W Power supply for export
Light path switcher	Light path switching system
Metal Cooling unit	aluminum Cooling system
Lift Table	Stainless steel lift table 250*250mm used to adjust light illumination energy