



Photobioreactors

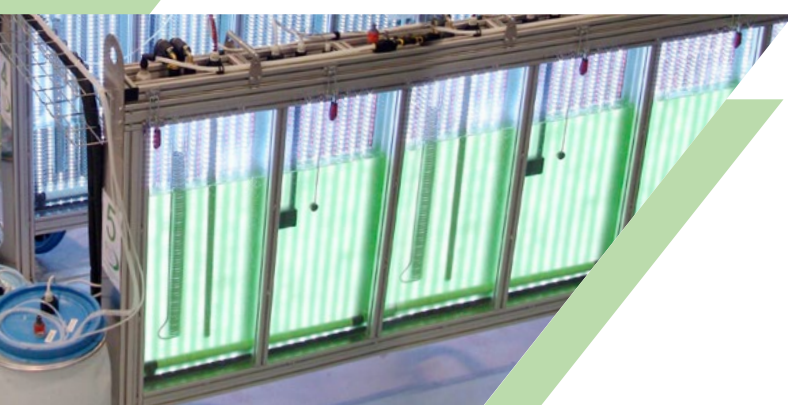
Photobioreactors provide fully-controlled cultivations of phototrophic and heterotrophic organisms as algae, cyanobacteria, plant cells, yeast and bacteria



MULTI-CULTIVATORS
For effective screening



PHOTOBIOREACTORS
For precise monitoring



**LARGE-SCALE
PHOTOBIOREACTORS**
For biomass production



Multi-Cultivators

- Parallel or multi-variant experiments in 8 independent vessels
- Optical density OD 680 and OD 720 reading
- Standard white LED illumination
- Optional multi-color illumination (up to 8 colors in each cultivation slot)
- Turbidostatic cultivation



Photobioreactors

- Designed for precise, controlled cultivations
- Flat cultivation vessel for an optimal illumination
- Bi-color LED panel
- Optionally up to 4 illumination colors
- Optical density and chlorophyll fluorescence measurement
- Variable cultivation modes (pH-stat, turbidostatic, anaerobic, etc.)



Large-Scale PBRs

- Standard Flat Panel solutions: 25L and 100L
- Glass material suitable for steam or chemical sterilization
- Bi-color LED panel
- Optical density and chlorophyll fluorescence measurement
- Variable cultivation modes (pH-stat, turbidostatic, etc.)
- Customized photobioreactor designs e.g. airlift, tubular...

