

IndustrialTM **Plankton**

PBR 1250L

Biosecure
Compact
Reliable
Easy



www.industrialplankton.com

PBR 1250L Algae Bioreactor

Five easy steps to reliable, biosecure live algae



Order & Install

Your algae equipment ships directly from our facility. Uncrate and set up in less than 4 hours.

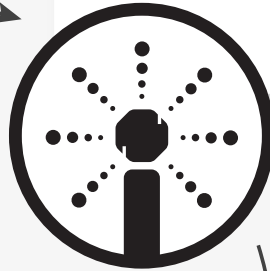
Harvest

The PBR automatically harvests continuously for months, or the entire batch can be harvested at any time.



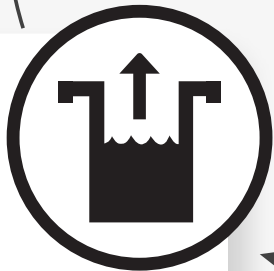
Clean

Run the clean-in-place (CIP) system to clean the reactor before inoculation.



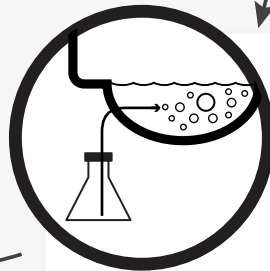
Scale up

Add nutrients and water automatically, while temperature and pH are constantly regulated to optimize growth.

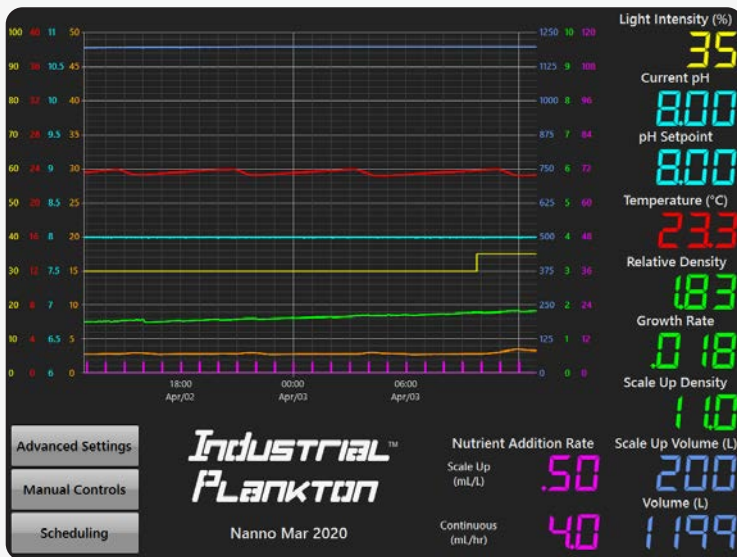


Inoculate

Inoculate with a small volume of clean algae using biosecure disconnects.



IndustrialTM Plankton



Real Time Data Logging



Web-Based Remote Access

Continuous Production

200-500 L harvested/day

By Species (10⁶ cells/mL)

- 25 • *Thalassiosira pseudonana*
- 20 • *Isochrysis* sp.
- 115 • *Nannochloropsis* sp.
- 3.8 • *Tetraselmis* sp.
- 23 • *Chaetoceros muelleri*

By Weight (Ash Free Dry Weight)

100-300 g produced/day
0.3-1.2 g/L density

Batch densities typically exceed that of continuous

More algae that thrive

- *Thalassiosira weissflogii* • *Pavlova* sp.
- *Karenia brevis* • *Skeletonema* sp.
- *Chaetoceros gracilis* • *C. calcitrans*
- *Haematococcus pluvialis* • *Spirulina* sp.
- *Chlamydomonas* sp. • *Chlorella* sp.

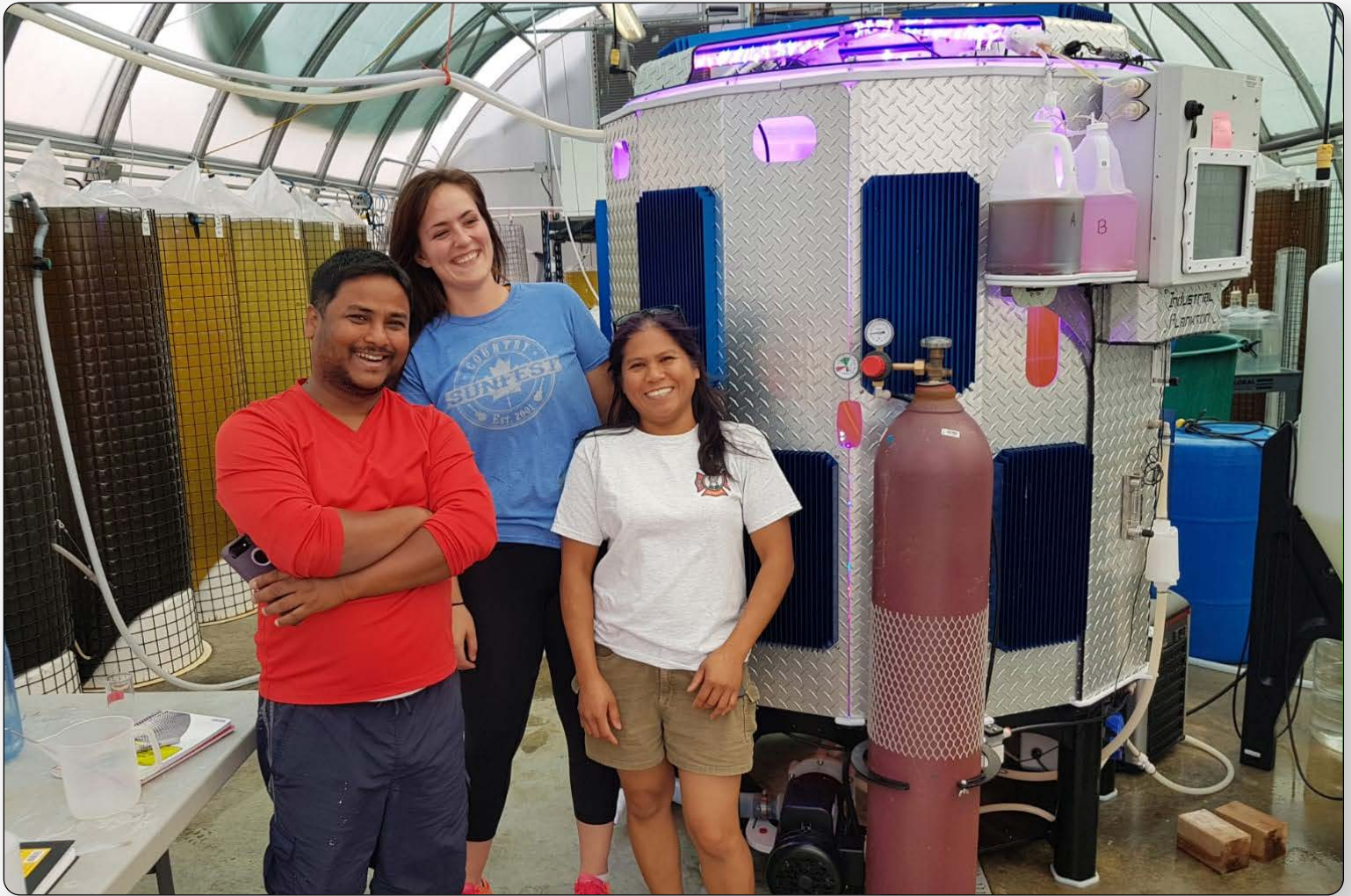
Production may vary based on quality of strain & inoculum



Touchscreen Controls

IndustrialTM Plankton

1 (844) 818-0304 • Victoria • British Columbia • Canada



Protect your Algae Bioreactor with **PlanktonCare**



100L



1250L



2500L