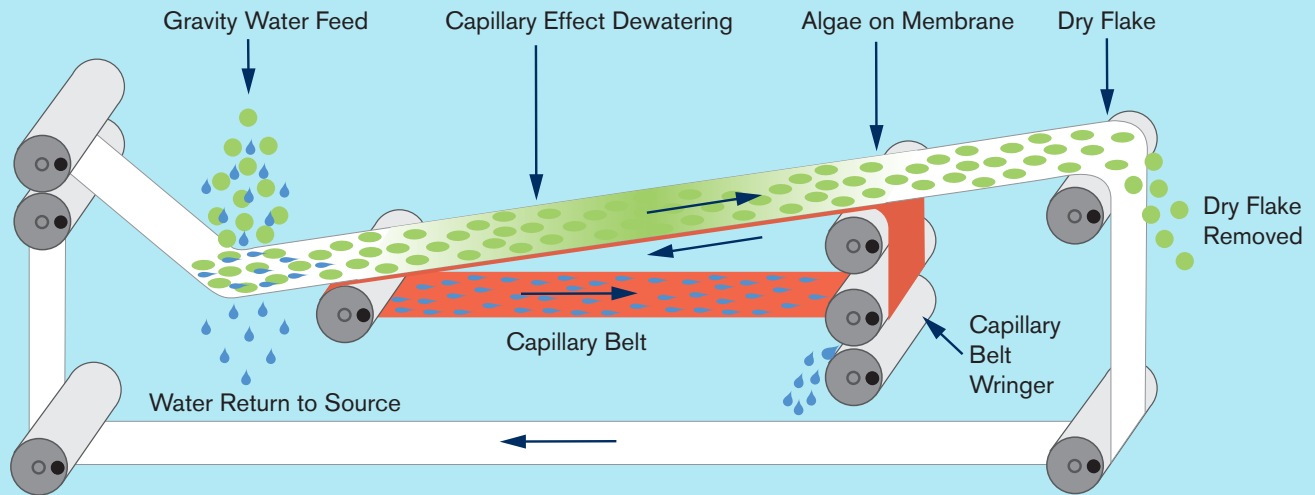


AlgaeVenture Systems Harvester

Separates algae from water, dewateres, dries



DISRUPTIVE TECHNOLOGY

Cost of Harvesting, Dewatering, Drying

Source: Sina Salim, Wageningen University Wageningen, The Netherlands

- Centrifuges contribute 34% of the total investment on equipment
- Centrifuges contribute 49% of the total energy cost

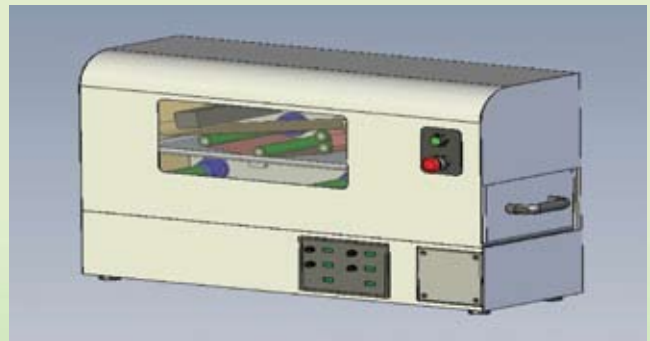
With our harvesting, dewatering, and drying technology and equipment we have broken through a barrier for economic viability using algae for fuel. This technology and equipment will sell all over the world for not only the algae industry but also chemical, agricultural, food processing, pharmaceutical or any other businesses that deal with separating small solids or semisolids from a liquid.

Process	\$ / Ton	\$ / Barrel	\$ / Gallon
Centrifuge	3,400.00	932.78	22.209
Preconcentrate Centrifuge	875.00	240.06	5.716
AVS HDD (AlgaeVenture Systems Harvesting, Dewatering, Drying)	1.92	.51	.012

Ton - Dry algal biomass from 3g/l

Barrel, Gallon - lipid from 50% lipid biomass from 3g/l

AVS LAB MODEL 50



Features & Benefits of the AVS Lab Model 50

- Provides a quantum leap in technology and dramatically reduces cost
- Technology is based on how nature moves water: Gravity, capillary action, cohesion-adhesion absorption, transpirational pull
- Harvester pulls water from the screened algae by (low energy) capillary action
- Algae is dewatered without pressure enabling it to release from the membrane belt once dried
- Drying can occur unassisted through evaporation, or with a small amount of waste heat

For more information about our customized systems, please call 800.992.8262