

Fabidez™

FABIDEZ™

FABIDEZ™ is a new process tool, which improves the rate of transesterification of vegetable oil for manufacturing biodiesel. FABIDEZ™ is an electro-mechanical device which operates at a micro molecular level and facilitates quick transesterification, resulting into reduction in process time to almost 10 times.

FABIDEZ™ is operated in conjunction with small mechanical stirrers or agitators and could be incorporated in existing bioreactors without any specific requirement. FABIDEZ™ can be employed in a batch reactor or a continuous reactor for biodiesel manufacturing and use of the same improves not only the transesterification time to few tens of minutes, but also reduces settling, water and acid washing times significantly. FABIDEZ™ also improves yield and quality parameters like viscosity etc.

FABIDEZ™ is a process tool for large scale manufacturing of biodiesel and is available in powers from 2 KW to 100 KW.

FABIDEZ™ is a proprietary process tool manufactured by Roop Telsonic Ultrasonix Ltd. and is used with the embedded software for manufacturing biodiesel.



ADVANTAGES AND SPECIAL FEATURES OF FABIDEZ™

- ★ Reduction in Process time (Transesterification reaction) to almost 10 times or more.
- ★ Reduces water and acid quantity required for Biodiesel washing.
- ★ Improves quality parameters like viscosity of Biodiesel.
- ★ Improves yield of Biodiesel.
- ★ Effective removal of Free Fatty Acids.
- ★ Reduction in catalyst requirement.
- ★ Considerable reduction in settling time.
- ★ Faster water and acid washing.
- ★ Suitable for all types of vegetable oils.
- ★ Microprocessor controlled operations.
- ★ Quick Payback period. (2 to 6 months)
- ★ Can be retrofitted to existing reactors.
- ★ Can be installed for online continuous and batch processes.
- ★ Suitable for Mini-plant (1 KL.) to large scale (100 KL or more).

NOTE: Technical specifications are subject to change without prior notice, due to continuous upgradation.

CONTACTS: **H.O. Mumbai** - Tel: 022-2687 0990/1034. Fax 022-2687 0004, Email : chetan@rooptelsonic.com.

