

Experts in Mixing Technology



Development and manufacturing of agitators, vessels, skid frame units and mixing systems

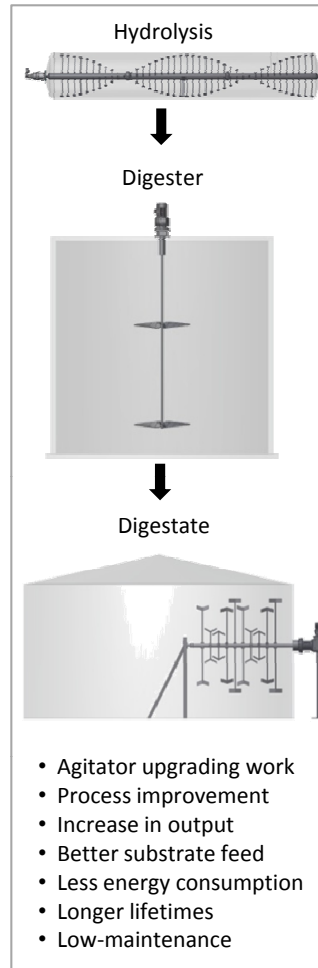
STC – Service Trading Consulting

STC-Engineering is active worldwide in the fields of design, development, manufacturing, service and the maintenance of customised process equipment, particularly in the area of mixing technology.

For the solution of demanding process tasks and the construction of skid frame units STC has extensive knowledge and experience as well as excellent references.

Experts in Mixing Technology

Environmental Technology



- Fluidised beds
- Side-entry agitators
- Hygienisators / Buffer tanks
- Horizontal and vertical digesters



- Waste water / Fresh water
- Biogas
- Flue gas desulfurization
- Bio-diesel / Sun-diesel
- Coal gasification
- Coal liquefaction

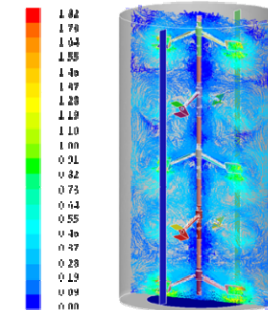
Manufacturing, Maintenance and Service



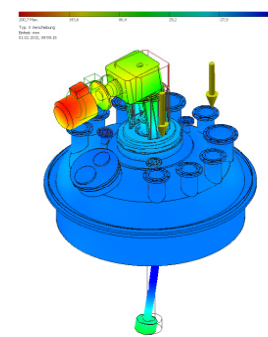
- Vessel manufacturing up to 500 m³
- Agitator manufacturing up to 2.5 MW
- Mixing systems and skid frame units with:
 - piping and instrumentation,
 - heat exchangers, process control systems
- Materials: Carbon steel, Stainless steel, Hastelloy, Titanium, Tantalum, Steel/Enamel, Glass, Plastic

- STC offers complete after sales service:
- CE certification of complete machines
 - Technical training
 - Start-up
 - Preventive maintenance
 - Emergency service

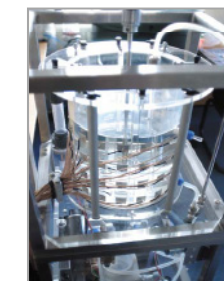
Calculation methods and test facilities for research and development



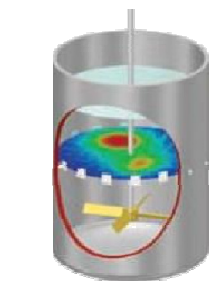
CFD-Method



FEM-Analysis



Process tomograph



Visualization

- Implementation of mixing tests with original products
- Cooperation with universities and colleges
- Research and development for process development and –optimization
- Vibration analysis of agitator and vessel
- Determination of optimal impeller geometries

Application Fields

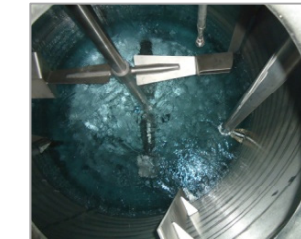
Biotech



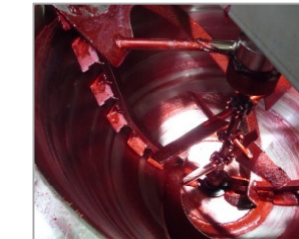
Environmental Technology



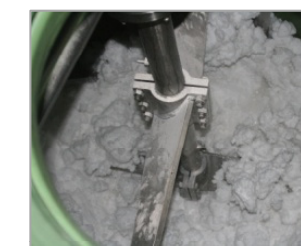
Pharmacy



Foods



Base Chemicals Industry



Chemicals



Polymer



Wet Metallurgy



References



STC-Engineering GmbH
Altenburger Str. 63a
08396 Waldenburg
Germany

Ph.: +49 37608 295-0
Fax: +49 37608 295-15
E-mail: info@stc-engineering.de
www.stc-engineering.com