



PPM

Pilot
Pflanzenöltechnologie
Magdeburg e.V.

The oil mill industry needs effective and sustainable technologies for the extraction and processing of vegetable oils and animal fats.

We develop such technologies in our laboratories and test them on a pilot scale.

Vegetable oil extraction

(conventional oil seeds and fruits, GMO, micro algae and biomass)

- Conditioning
- Crushing
- Solvent extraction

Refining of vegetable oils and animal fats

(chemical, physical, enzymatic)

- Degumming
- Deacidification
- Bleaching
- Deodorisation

Cake and meal processing

- Desolventising, drying, toasting, cooling
- Extraction of protein-rich meals, protein concentrates and isolates

Fat modification and synthesis

- Interesterification and transesterification (chemical, enzymatic)
- Epoxidation

Bleaching clays

- Evaluation of bleaching clays and active carbons
- Activation of clay minerals

OUR SERVICES

- Contract research
- Laboratory and pilot scale processing
- Sample production
- Studies
- Training and further education

Contact

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