



## Edible Oils Refined Automation

Westfalia Separator Engineering automates complete edible oil processes for you – from the raw material to the high-grade end product.

### **Automatically efficient:**

#### **Edible oil recovery**

A large number of different raw materials are used in oils and fats recovery; but the number of our customized automation solutions is far higher.

Our automation monitors the efficient and gentle treatment of the raw materials, delivering you optimum raw products for subsequent refining and forms the basis for premium product quality.

#### **Automatically first-class: Refining**

Our automation solutions set the direction for the path to the finished end product – whether in physical or chemical processes.



Your benefit: we make it possible for you to achieve a maximum yield with a low utility requirement and reduced operating input.

### **We offer automation for different processes – for example:**

- Pressing
- Neutralisation (removal of the free fatty acids)
- Lecithin extraction
- Degumming (removal of phosphatides, proteins and carbohydrate compounds)
- Bleaching (removal of pigments)
- Deacidification (removal of free and short-chained fatty acids)
- Deodorisation (separation of odorous substances and flavourings)
- Winterisation (separation of waxes)
- Automation of complete tank farms and cooling stores



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# Success All Along the Line

Westfalia Separator Engineering applies forward-looking automation technology, visualises complex process lines, optimising the required operating input – for maximum performance from a single source.

### Complete overview:

#### Visualisation via WinCC

When processing oils and fats, the controls must react flexibly to different product properties. The product quality must also be continuously monitored and documented. To realize this for you at the highest possible level, our automation systems access databases such as ACCESS or ODBC.



To enable fast data exchange between other units or user levels, our controls utilise cross connections such as Profibus, Industrial Ethernet or LAN.

On request, the complete production process is displayed, monitored and locally operated synchronously on one or two screens. This gives you maximum user friendliness and minimum operating input requirement.

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