

Plastics Technology  
**QUALITY FOR LIFE**

**AL-KO**



**WE FORM QUALITY!**

# Innovation out of tradition

As one of the largest deep draw companies in Germany, we provide our customers with a high level of consultancy know-how, technical expertise from over 45 years experience of manufacturing, timely development with fixed timelines and constantly secure quality thanks to strict material and process control.

Alois Kober GmbH  
Kötz Germany  
founded

**1931**

Alois Kober KG join company  
and start trading under the  
name „Enzler & Co.“

**1984**

Merger with  
Alois Kober GmbH  
vehicle techno-  
logy segment in  
Kleinkötz

**1995**

Expansion  
complete

**1999**

**1959**

Herbert Enzler  
sen. founds a  
plastics company

**1987**

Full acquisition by Alois  
Kober AG, assumes trade  
name „AL-KO Enzler  
GmbH“

**1997**

Expansion and  
modernisation  
begins

**2008**

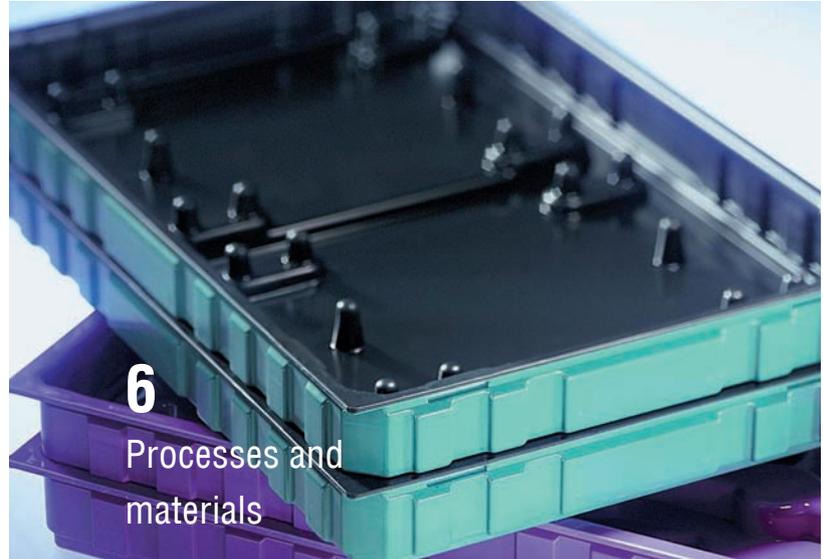
Production hall  
expanded with  
innovative and  
modern machinery

[www.al-ko.com](http://www.al-ko.com)



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Plastics technology  
expertise



6

Processes and  
materials



8

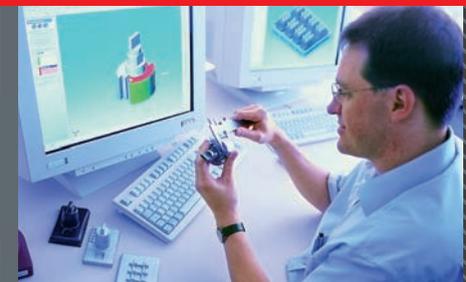
Business segments

With about 3000 active articles, our product catalogue contains

- | Technical Packaging
- | Workpiece holders
- | Technical components
- | Vehicle technology components

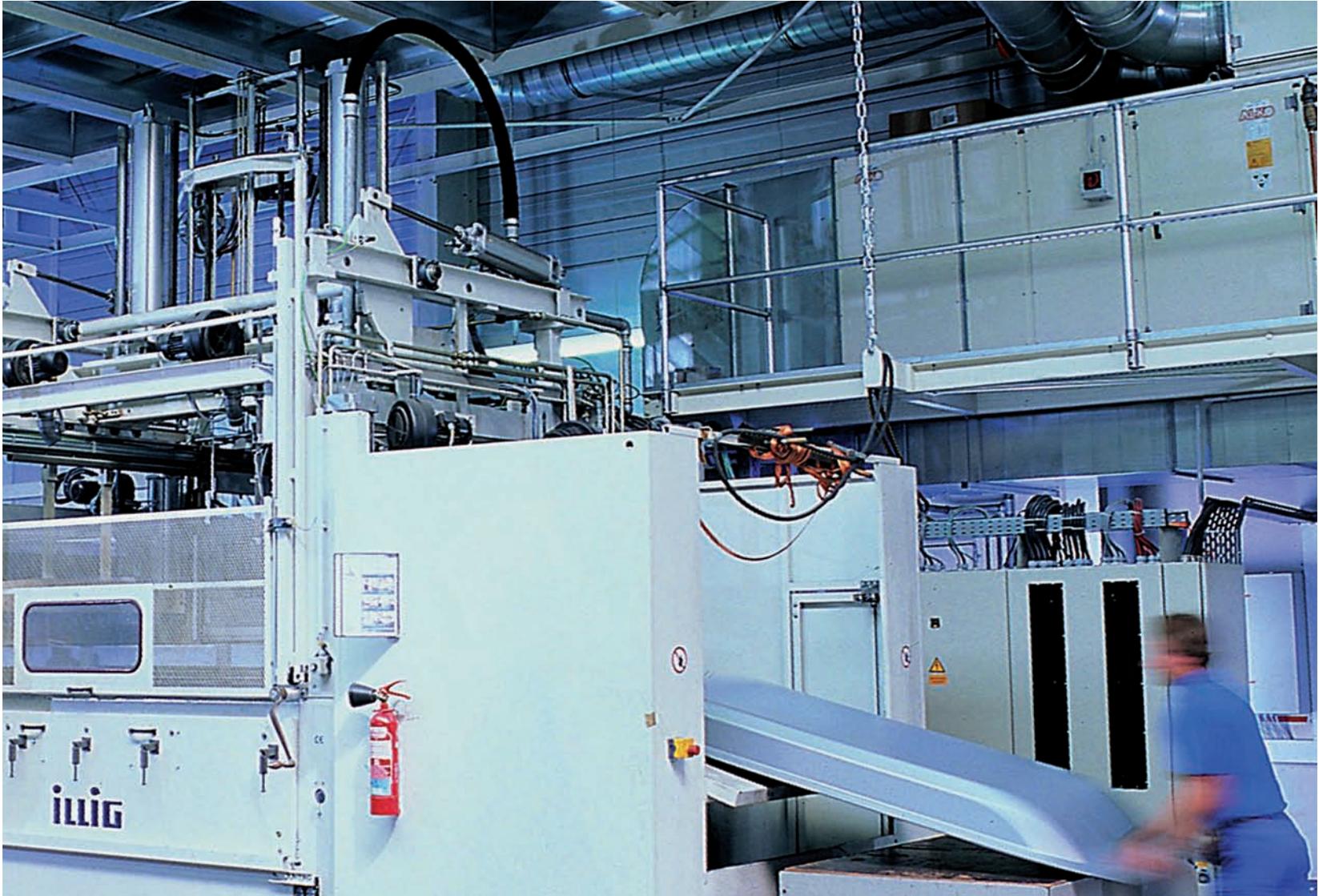
# Deep draw technology pioneers

Successful products are always the result of dedicated research and development. With groundbreaking innovations and new concepts for vacuum forming thermoplastics, our pioneering technology allows AL-KO to occupy a leading position in the market and reaffirm it constantly.



## Logistics and customer care

The expertise and readiness of our employees is a major contributor to the quality of our products. We have developed numerous successful products in partnership with our customers! Over 80 per cent of our aluminium moulds are designed in our construction department with the help of 3D CAD software and manufactured in-house.



## Production

Every year, we process around 3,000 tons of thermoplasts of all types of quality, with material thickness ranging between 0.2 mm and 14.0 mm. The moulding surfaces of our deep-draw equipment are as large as 3000 x 1500 mm, with special draw depths of up to 900 mm.



## Environmental management

All milling waste is also appropriately collected, recycled and re-introduced into the production process as reclaimed material.

# Plastics technology expertise





We use a vacuum deep draw method to form plastic components for further industrial processing. Our specialities include the production of extremely high quality components and the delivery of complete systems in response to our customers' individual requests.

## MACHINERY



### Modern equipment

We manufacture semi-finished products with our thermoforming machines, processing them with our robots or CNC milling centres in three dimensional space and with free forming surfaces.

## MATERIAL

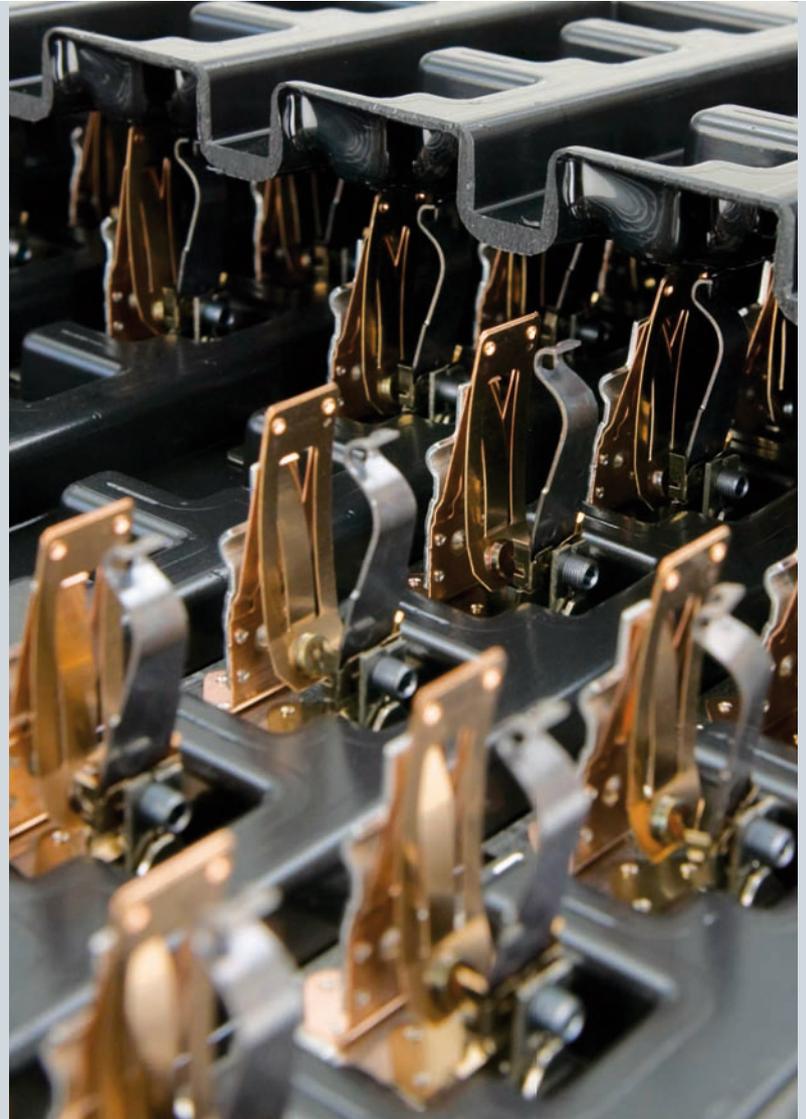


### Boundless variety

Colours, surfaces, material properties: we can fulfill any customer request. Anti-slip or metallic surfaces and food safe or UV durable material varieties are all equally viable.

# Transport with a system

At the right place at the right time: automated manufacturing processes need perfect partners. Our workpiece carriers guarantee safe transport and accurate positioning of pieces for a trouble-free production process.



## TRANSPORT TRAYS



**Special load carriers**

For cleaning workpieces in washing facilities: custom-made, solvent-resistant pallets.



**Automatic / manual handling**

SLC deep draw equipment for standardised tool containers is predominantly used in the automobile and supply industry.



**„Parob“ workpiece holder**

Self-supporting PAROB stackable containers for automated manufacturing processes stack on the surrounding edge.

# Clever packaging



The more valuable the contents, the better the packaging! Our deep draw packaging offers perfect protection for all high quality technical products - for transportation, presentation and vending purposes.



## TECHNICAL PACKAGING



**Light hinged packaging**

Attractive presentation, safe packaging: transparent display packaging can be universally deployed.



**True to measure inserts**

Provide order and clear arrangement: food safe inserts in all shapes and colours.

# A simple matter of form

Technology on the outside, AL-KO on the outside: we manufacture precise and custom-fit casings and cowlings for sophisticated devices and equipment - in any surface desired and special contours.



## SURFACES

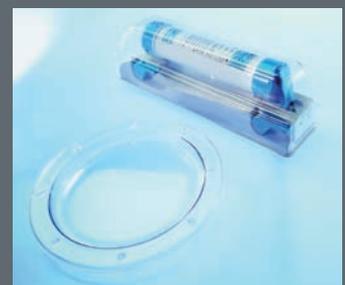
### Metallised surfaces

Plastic components can be equipped with special characteristics, such as shielding from radio waves.



### Transparent housings

Product presentation and packaging in one: thin-walled, transparent plastic casings for sale articles.



# Deep-drawn - excellent quality



Individual design, precise form: we offer high functionality, the best material quality and optimal safety for coverings and housings for the interior and exterior of all vehicle types.



## VEHICLE TECHNOLOGY



### Functional tail light holders

Premium quality, precise manufacture: tail light holders for motorhomes or caravans.

## COMPONENT ASSEMBLIES



### Interior door lining

Interior side linings for motorhomes are manufactured as component assemblies with structured surfaces.

# AL-KO

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We reserve the right to make any alterations which reflect  
technological advances.