

Any shape, any size, any lubricant

# Systematic precision lubrication



**ECKARDT**

Lubricating • Cleaning • Preserving

For evenly  
dosed application



## Felt roller lubricators

We supply these lubricators in a range of roller diameters: 32 mm, 60 mm and 110 mm. The rollers are generally driven by the feed machine, but we also offer systems equipped with their own transport units.



### Fields of Application

- Microelectronics, switching contacts, punched bent components
- Automotive structural components, white goods
- Fine blanking parts for gearbox and engine engineering, perforated metal plates

Takes care of  
every requirement

## Dosing systems



You need continuous lubrication – or just single drops are required? Eckardt dosing solutions efficiently and flexibly fulfil all lubrication tasks. Our offer begins with straightforward “gravity feed lubrication” and continues through to our high-end solution with which it is possible to programme the feed of oil to each roller separately (via PLC).

Further configurations include separating the reservoir and control unit as well as operating alternating rollers where several oil containers are utilized - and much more.

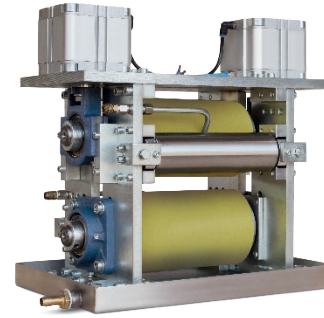
Maximum efficiency and the  
highest levels of flexibility



## Squeeze-on lubricators

The ROTOL squeeze-on roller system is a lubricator developed exclusively in house by Eckardt.

This is an exceptionally rugged, long-lasting lubricating machine designed to apply lubricant in precisely defined film thicknesses over an entire surface.



### Features & benefits

- Longer service life in comparison with conventional felt rollers
- Works with all pumpable lubricants
- Achieves thinnest, homogeneous film thicknesses
- Rugged ROTOL calender roller made of randomly oriented nylon fabric
- Very high viscosities possible
- Practically impervious to mechanical damage

Lubricate precisely  
and sparingly

## Minimum quantity (cooling) lubrication (MQL/MQCL)

The MQL/MQCL process sees only as much lubricant or coolant supplied as is actually used. Our spray nozzles apply the thinnest possible films of low and high viscous oils and release agents with precision; depending on which nozzle cap is utilized they generate a practically mist-free flat or round spray.

With this in mind, we offer spit nozzles with a custom full spray valve for pin point and linear application of oils, release agents and other low-viscosity media; the nozzles are able to provide precision results even over larger distances to the targeted object.

Individual solutions for all  
application purposes



## Spraying systems

EOS systems are perfectly designed to apply oils and release agents to meet the needs of industry.

Designed for spray widths up to 5000 mm our EOS machines are available in three series (I, II, III).

They are solidly built and exceptionally easy to maintain; they reliably and precisely control the distribution of lubricants and release agents.



### Fields of application

- Bent and punched components
- Profiles for sanitary, construction and furniture industries
- Car body and outer shell parts in automotive engineering
- Production of components in the white goods sector

Utilizing an optionally selectable heating unit it is possible to setup the nozzles for higher viscosities.

Our nozzles are easily integrated in forming tools, where they can be precisely adjusted to fulfil the respective requirement.



Precision and innovation  
from a single source

# Technology that sets new standards

Eckardt Systems specialize in lubrication, cleaning and preservation systems for use in industrial production. All systems are developed from scratch and produced at our company headquarters in Bretten, Baden-Württemberg, Germany.

A distinguishing feature of our company is the huge depth of manufacturing expertise. We run our own electronics development department as well as a nozzle testing laboratory dedicated to optimizing spraying processes and performing fault analyses in customer systems.

## Experience from which you benefit

- ✔ From reviewing your production environment through to interfaces to upstream and downstream processes we offer you comprehensive, expert advice on all matters relative to lubrication processes.
- ✔ Our engineering experts ensure that our systems are perfectly integrated in your machine park as well as implementing control and automation concepts tailored precisely to your requirements.
- ✔ We take care of the entire commissioning process; furthermore, we are always at your disposal to make any necessary modifications and fine adjustments. We also carry out all necessary maintenance work on your behalf.
- ✔ Our "Retrofit" programme is designed to ensure all mechanical and electrical aspects of your system are state of the art.

We take the time for you that you really need.



Our claim

# Service makes the difference

Personal contact and a direct connection to you, our customer, are the most important principles of our company – because we aim to understand your environment and provide exactly the support you really need.

And it does not stop when our systems go into operation in your facility.

## Would you like more information?

Take advantage of our experience and expert knowledge. Feel free to contact us if you have any questions.



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