

Industry Partner

in time.
in scope.
in stock.

- SWF Wiper Systems
- SWF Switches
- Motors and Drive Technology



Wald Antriebe



A **Nidec** Group Company

Nidec
Motors & Actuators

—All for dreams

Valeo

Engineering
 Know-how
Service
 100.000
 Articles
 3D-drawings
 Technical
 consultation
 Industrial drives
 Spare parts
>15
 years
 Modification
 Wiper and washer systems
 Motor controls
 Rocker switch
 Stepper motor
Steering column

Who we are

Your partner for wiper systems, switches, and DC motors

For almost two decades, Wald Antriebe has been your competent solution partner and wholesaler for SWF wiper systems, SWF switches, and NIDEC industrial motors. We continuously keep hundreds

of thousands of products in stock for you, including individual parts and complete systems. And if using standard components is not an option? No problem! We are happy to

customize all products to your specifications. Our extensive know-how and close contact with our manufacturers are a guarantee that we will find the best solution for you.





Service and Technology

We will do (almost) anything for you!

Our product portfolio is quite extensive, but some applications are so specialized that standard products simply do not fit. For such cases, we have a team of experienced technicians and engineers. We are happy to accept every challenge and modify switches, motors, wiper systems or drive units according to our customers' specifications.

However, Wald Antriebe does not restrict its service to the

customization of products, we also develop new systems as required.

We can do many of the necessary steps directly at our company or at a partner company, including product conception, prototyping, and small batch production. Serial production is carried out by the manufacturer according to our design documentation.

We place great importance on the conceptual support and technical consultation of our customers, whether in the modification of standard products or the new development of whole systems. Our service also includes the creation of 2D and 3D drawings.



Wiping Technology

The new design of complete wiper systems is as much a part of our services as the modification of the length of wiper arms and link rods, the modification of nominal voltage, parking position and exiting shaft, as well as the increase of torques and the adjustment of the wiper angle. If the standard SWF components are not sufficient for special applications, Wald Antriebe will customize all the wiping system components as desired.



Motor and drive technology

In this area, we are capable of making numerous modifications to standard products for our customers. For example, we can modify the shaft or the nominal voltage of the motors, connect the motor with proximity sensors or make connectors and cables. In addition, Wald Antriebe can manufacture and assemble complete drive units, attachments, brackets, brakes, clutches, and gears.



Steering column switches

We develop and build prototypes according to customer specifications, which are then produced in series at the Valeo plant. Moreover, we modify cables and plugs of standard steering column switches so they fit perfectly into your application.



Rocker switches

In the area of rocker switches, we not only produce prototypes that are based on SWF's various switch generations, we also produce customer-specific backlit inserts and symbols, as well as small series of modified switches.



SWF Wiper Systems

Wiper technology to perfection!

Complete wiper systems

Wald Antriebe has a complete range of wiper systems, including wiper motors, bearings, rod assemblies, wiper arms and washing systems which are already assembled. The selection of our SWF wiper systems ranges from simple wiper systems, double-arm wiper systems, to complete multi-arm systems.



Compact wiper systems

The SWF wiper systems for commercial vehicles are also available as compact wiper systems with different bearing lengths, angles, and motor sizes (1 Nm up to 120 Nm).

We construct heavy-load equipment according to your individual dimensions.



Wiper motors

... are available in different sizes, strengths with torques of 1 Nm to 120 Nm, with or without interference suppressor. We can help you find the right motor for your vehicle.



Wald Antriebe will provide you the entire range of SWF wind-shield wiper components, both for commercial vehicles and for many passenger cars. In addition, we also have compact wiper systems in various performance ranges and the complete window

washing technology as part of our portfolio.

For your individual designs we will develop complete wiper systems on request which fit your application perfectly.

Simply tell us the requirements which the system needs to meet.

We manufacture a prototype and take care of the rest!



Wiper system components

Wiper motors, wiper bearings, bearing pins, wiper levers, wiper arms, joint rods, and wiper blades

Windscreen washer system components

Tanks, electrical pumps, hoses, valves, fittings

Wiping and washing technology for any type of commercial vehicle

Trucks, buses, construction vehicles, agricultural vehicles, railway technology, shipbuilding and harbor technology, mining, communal technology, airport technology



Wald Antriebe offers you more than just wiper systems off the shelf. Our experienced engineers will modify the standard systems according to your wishes. Whether wiper angle, wiper arm length, wiper bearing or rods, we will customize everything to your application.

SWF Switches

We will take it up a notch for you!

Steering column switches

SWF/ Valeo steering column switches have a unique quality and are installed by almost every well-known car manufacturer. This success is no coincidence since these switches can be distinguished by their robustness, and above all, by its great performance spectrum. The switching units can be used for up to 22 functions.

We always have around 1,000 different steering column switches in stock, which are produced cost-effectively by Valeo in large quantities and different designs.



Rocker switches

The Valeo rocker switches meet the highest standards of handling, service life, and performance. In the popular series 533, for example, the searchlight is nearly fail-safe since LEDs are used. The functions can be locked and the switches can be connected via a 12-pin plug-in socket housing complete with lighting.

For easy installation in the vehicle, Valeo has optimized the overall height of this series to save space. The highly successful 511 series is mainly used in harsh environments and has an ergonomic design according to EC regulation 21.



Function switches for commercial vehicles certainly do need to be robust, but they should also be easy to operate.

The SWF/ Valeo steering column and rocker switches optimally meet these requirements, because they withstand even the toughest conditions and are designed to be very user-friendly.

Our customers in all parts of the world receive a wide range of Valeo switch modules with various functions.

Our switches offer a variety of switching mechanisms, electrical diagrams, and functions.

Since some of the switches have an IP67 protection class, you can easily install them in open cabins. SWF switches are used by nearly all well-known commercial vehicle manufacturers worldwide.



Transmission switches

Travel direction, gear selection, drive mode, partly with kick-down button and lift lock

Turn signal/ wiper/ light switches

With or without automatic reset, also as a combination with turn signal, wipe and wash function, light and horn

Retarder switches

Retarder and/or engine brake with different levels, partly with cruise control

Cruise control switches

Automatic speed control

SWF rocker switches

For buses, trucks, construction vehicles, military vehicles, and industrial applications; with light bulb or LED



SWF switch modules can be adapted to your needs. On request, we can also develop completely new switches and construct a prototype for you.



Motor and Drive Technology

Reliability at every move!

Brush type DC motors

Worm gearboxes, spur gearboxes, planetary gearboxes or entirely without gearing. All variants are available in different sizes and performance ranges with a variety of output shafts and an optional hall sensor. The entire range of motors is certified for automotive applications and is equipped with radio interference suppression (EMC).



Linear actuators

Electronic lifting cylinders in various specifications for axial load bearing capacity. Our drives are available in various stroke lengths as well as 12V, 24V, 36V or 48V. We offer high-quality solutions for the most extreme environmental conditions including hall sensors, customer-specific cable lengths, IP66 sealing or threaded lifting rods.



You place the highest demands on the reliability of your technology. Our high-performance DC motors perfectly match up with that. Wald Antriebe distributes a wide range of DC motors for all conceivable applications.

We are your partner for all types

of actuators, with and without gearboxes, for indoor or outdoor use, with high or low power – and always with the highest precision.

We have a wide variety of electromotors available for applications in the fields of pro-

duction engineering, agricultural engineering, entertainment, gastronomy, medical technology, vending machines, photocopiers, and building automation.

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Stepper motors

For highest precision and accuracy in positioning: Uni- or bipolar hybrid stepping motors with customer-specific adaptations of the output shaft, cables, and plugs, available with full step angles of 0.9 degrees or 1.8 degrees and various flange dimensions from NEMA 08 to NEMA 34. On request, also available with external or integrated control.



Complete drive units according to customer specification

The motor by itself is not enough for you? Are you reworking your application? Then we are exactly the right contact for you! We can design and construct complete motor assemblies or drive units with you. From conceptualization, prototype production, and final implementation, our design office is always at your disposal as a reliable partner.

Our standard motors do not meet 100% of your requirements? No problem: Whether shaft modifications, directional adjustments or complete assemblies – our technicians will gladly modify the drives according to your wishes. Almost everything is feasible. Contact us!

Wald Antriebe GmbH
Hanns-Hoerbiger-Straße 1
29664 Walsrode
Germany

Tel: +49 (0) 51 61 - 48 6 32 0
Fax: +49 (0) 51 61 - 48 6 32 33
E-Mail: info@waldantriebe.de

www.waldantriebe.de

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