



**Dear readers,**  
Who thinks of a wild animal when he sees a small brake maintenance device? Well, in our report on the BW 1408 A RoTWIN, we have drawn this comparison to clearly depict what punch this handy little mobile wolf packs. By integrating our new system into this mobile device, we have succeeded in setting new standards not only in service centers around the globe, but also in the streets. This makes it very clear how superior our patent-protected RoTWIN system works. The market has already recognized this. For quality-conscious experts, ROMESS is an alternative. We are really proud of that.

Enjoy your read,  
yours truly,  
Werner Rogg



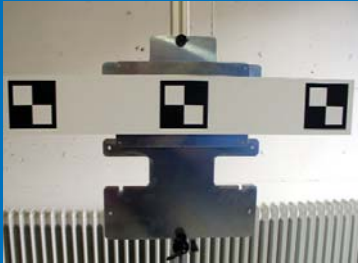
Whoever sees the BW 1408 A RoTWIN mobile brake maintenance device tends to underestimate it completely. The RoTWIN technology uses the compact casing to provide the untamed power of the double-throw piston pump.

## ROMESS-Wolf in Sheep's Clothing

The proverbial "Wolf in Sheep's Clothing" is one that disguises and misleads its true nature and potential. It is camouflaged within an inconspicuous façade. Automobile fans appreciate such souped-up jalopies and call them "Sleeper Cars": car bodies that look discreet, but have lots of PS under their hood.

ROMESS technology specialist Kay-Uwe Karsten is a well-known expert in the field of vehicle technology, and he says without any restrictions about the new mobile ROMESS

brake maintenance device BW 1408 A RoTWIN: "This is a real wolf in sheep's clothing!" What exactly is hidden beneath the casing of this extremely handy device, **the superior RoTWIN system with the latest technology that ROMESS patented worldwide?** With this mobile RoTWIN device it is possible to vent and bleed modern brake systems on the road - on-the-go. Conventional units can't pack that punch, and most certainly not on-the-go... (Continued on page 4)



Valuable help in advance development: an assistance system for the installation of radar heads in the vehicle.

## Right on target

Auto-service professionals know: ROMESS has a number of clever solutions for gauging vehicle readings and adjusting systems. But how do the manufacturers get these adjustment values at all? With the help of ROMESS, naturally. An assistance system was developed for the correct installation of radar heads used in advance development. The target is positioned correctly and then geometrically provides the correct target point for the positioning of the radar head.

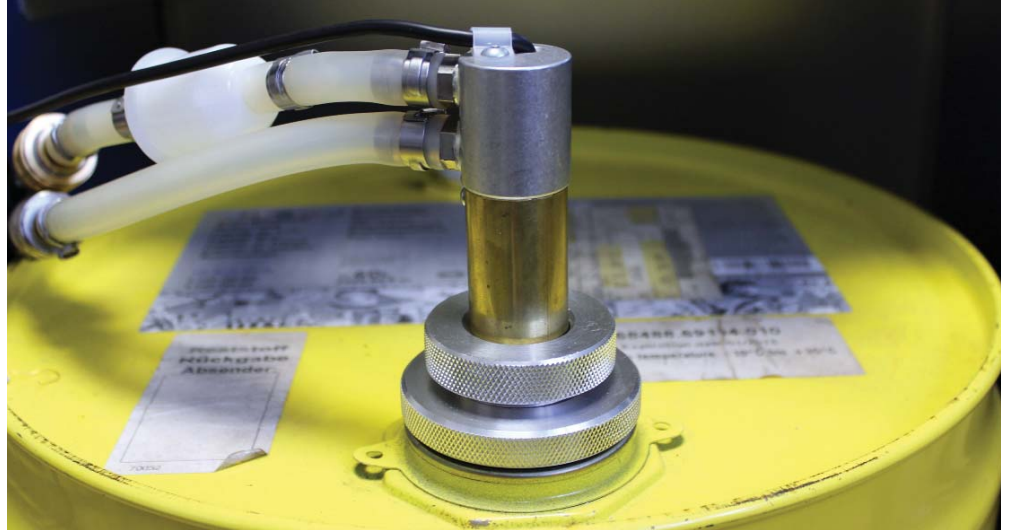
## All for one

The ROMESS motto for adapters used in brake service is not only "one for all", but "all for one". Standard adapters do not often fit each compensation tank: There is also the variety of adapters' important decision-making criteria when buying a brake maintenance device.



## Brake fluid

# Air accelerates aging



This is like ROMESS works: A solid screw cap with two rubber seals prevents brake fluid from aging prematurely. ROMESS also supplies a high quality metal closure for small containers: the aluminum cone with grooves (middle) can be screwed in and optimally seals the opened container.

Most brake fluids used are hygroscopic and thus have the property to bind moisture from ambient air. This moisture, usually in the form of water vapor, diffuses through the seals and hoses into the brake lines. This increases the risk of accidents, since water components in the brake fluid reach their boiling point and the operational safety of the brake system is thereby impaired. Even if a car is stationary for long periods of time, the brake fluid still ages and must be replaced.

What is well-known in the world, but what many people may not realize is that brake fluid can age in the container. Rather quickly once the seal is broken and not closed again properly. ROMESS is a technology leader with decades experience here as well. Where competitors offer a cheap, inefficient rubber plug, **ROMESS supplies only high-quality container-ready couplings, which are solid and can be fixed straight on or in the container.**

Another plus: the patented tank pipe contains both suction and return lines in one robust tube. This allows the tapered coupling to be pressed airtight into the container.



Risky: competitors supply a simple, cheap rubber plug which usually does not seal the container tight enough so that air can still penetrate.

# Good service is so easy!



**1**

*So simple and easy is the brake service with a ROMESS device. Only three work steps are necessary to completely bleed and fill vehicles. This is quick and easy. Customer complaints due to soft brakes are avoided.*

**Step One:** Place the adapter on the master cylinder compensation tank..



**2**

**Step Two:** Push-button start.

*Thus, the filling process with the new brake fluid begins; the brake system is vented of vapor locks and corrosive debris at the same time the brake fluid is replaced. Thus, the functional safety of the braking system is guaranteed. "Soft brakes" are prevented.*



**3**

**Step Three:** A tube connected to the catch bottle is connected to the open bleed screws.

*The old brake fluid flows into the catch bottle, where a volume scale printed on the transparent bottle shows the amount purged. That goes quickly, and the hands remain clean.*

## ROMESS: All ist possible

A company with the innovative potential of ROMESS not only brings top devices out on the market, but offers dynamic plant construction and engineering tools and units. ROMESS acts as a technical problem solver in this segment effectively and successfully. One of our main strengths is special development systems for car manufacturers. We designed, developed and supplied a system which examines the condition of a turntable on a measuring platform. Here, among other things, the play between the track-rods.

The problem: the metal rails beneath the turntable can corrode which will cause the surface to be uneven which has an immediate effect on measuring accuracy. "The breakaway moment changes," says owner and chief developing engineer Werner Rogg. This transition of an object from the static to the dynamic state has an influence on the measured values, so that the chassis cannot be adjusted correctly.



The BW 1408 A RoTWIN sets new standards with state-of-the-art technology.

# Smart, strong and very handy



Small but big! Those who do not know the new RoTWIN technology are surprised by the BW 1408 A RoTWIN. This new mobile brake maintenance device not only sets new standards on the road, but also wherever brake service is required. Our "Wolf in Sheep's Clothing" for hard, safe braking systems...



The BW 1408 A RoTWIN is the new premium device in the mobile sector. Enormous power is the result of its hydraulic design: in a stylish housing a further developed, tried and tested pump hydraulics.

RoTWIN is world-wide patent-protected; a rather sophisticated system. Here, two additional pumps are electrically controlled in one current. The pressure build-up of these pumps is effected by the alternating movement of step pistons in the direction of flow. As one pump sucks, the other pumps the liquid further. The input and output of the pumps are symmetrically combined. This results in a continuous flow, whereby both the flow pressure and flow rate increase.

Ideal is the BW 1408 A RoTWIN for service centers with relatively few brake fluid changes, truck and bus operations, fleet operators, breakdown service and also for discerning private users who want to have professional technology.

The power-unit is ideal even in racing, where very small brake fluid containers are often used. A transparent tank can also be integrated, which can be easily filled with one-liter cans. The pressure is adjustable from 0 to 3,5 bar.



This is practical: the BW 1408 RoTWIN delivers the brake fluid from a commercially available five-liter container (right) as well as a transparent tank, which can be used for smaller brake fluid containers.

## RoTWIN

RoTWIN devices meet the highest requirements due a completely innovative technology. They are the answer to ever challenging modern brake systems, which place increasingly high demands on auto service centers: Through a variety of control elements in the system it is virtually impossible to flush all residues such as gases, va-

pors, water and suspended matter from the system with conventional, simple service devices, thus avoiding "soft" brakes.

The RoTWIN device generation derives its enormous performance from the significantly higher flow pressure, which is empirically proven. It is produced by a new patent-protected hydraulic, which will not let the brake fluid foam. This sets completely new standards.