


ZEITLAUF®

antriebstechnik

it's time for tomorrow

Pro-phylactic!



The best drive
for your therapy.

Durable.
Quiet.
Powerful.



Our work makes no compromise when compromise is not an option

ZEITLAUF® antriebstechnik has been providing the medical and rehabilitation sector, one of our most important target markets, with innovative drive solutions for more than 40 years. Manufacturers all over the world have confidence in our top quality high-tech complete solutions, our vertical range of manufacture and our outstanding innovation potential.

Medical technology helps people

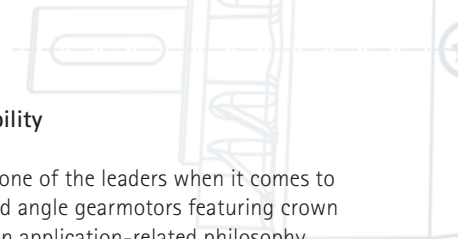
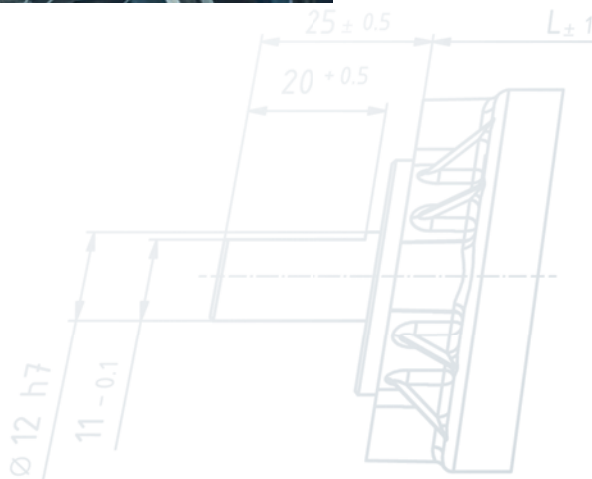
New, lifesaving techniques or spectacular advances in treatment. None of it would be possible without the further development of advanced technology. We are precisely the right partner when it comes to meeting these stringent requirements without compromising either premium quality or efficiency. Of course, such requirements can only be met as a result of perfect interaction between physician, user and developer. In tune with market requirements. For more efficiency, more therapeutic success and more patient comfort.

As an innovative enterprise, we can span the entire spectrum, from standard versions to complete customer-specific solutions thanks to our own basic development work – optimally tuned to your special system requirements. In so doing, we always measure our efficient gearhead and motor concepts in terms of the basic characteristics that make drive solutions from ZEITLAUF® antriebstechnik so unique:

- Long lifetime
- Smoothness
- Performance
- Energy efficiency
- Quality, service and reliability

ZEITLAUF® antriebstechnik is one of the leaders when it comes to developing spur, planetary and angle gearmotors featuring crown wheel technology. Based on an application-related philosophy, our products often advance to set sector standards.

There is no better therapy for your drive requirements.



Solutions directly addressing the requirements – developed through close dialogue



Maximum lifetime for maximum reliability

40,000 hours of strong performance – guaranteed

Blood pumps

Haemodialysis is a blood purification process used on patients suffering chronic renal failure, which requires high-quality drives. ZEITLAUF® is very much concerned with the efficiency of its drive solutions – in terms of procurement as well as use and maintenance. Maximum lifetime and almost maintenance-free operation of these compact drive mechanisms are crucial requirements. As regards lifetime in particular, ZEITLAUF® sets clear standards: our newly developed special planetary gearhead is perfectly capable of running for 40,000 hours.

This unique performance capability is the result of consistent development work carried out over decades and of outstanding engineering expertise. With the help of intensive long-term tests that simulate tough day-to-day conditions, we make sure we are able to keep our promise without any problems.

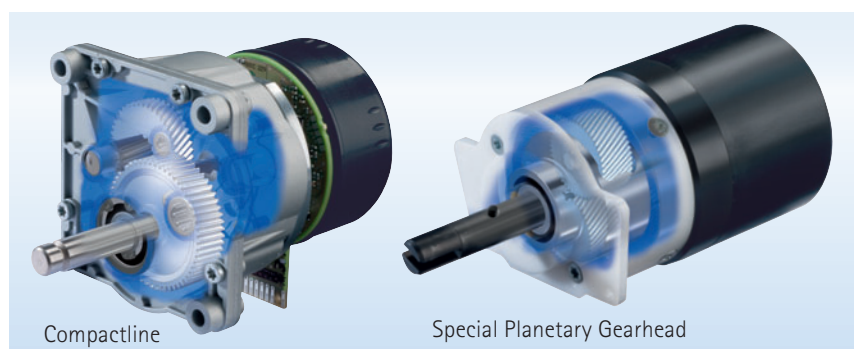
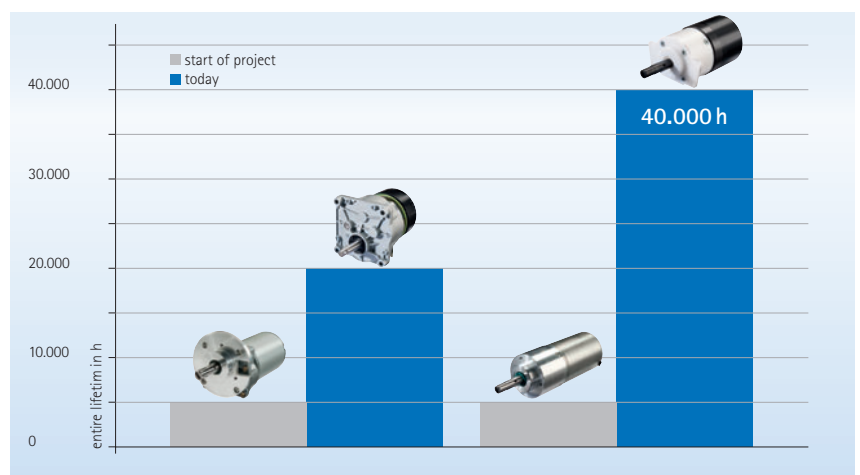
Blood pumps used in dialysis systems have to be absolutely precise, smooth and durable, and they must function to technical perfection. By means of sophisticated measuring processes plus extensive material and function tests, we ensure that every product manufactured by us meets every single strict requirement of the medical and rehabilitation sector. Our customers, all over the world, rely on this.

We provide innovative solutions for better patient care.

The illustration impressively demonstrates how we translate efficient development expertise and decades of experience into unique capability.



Blood pump featuring spur gearhead Compactline 92



Extreme smoothness for extreme applications

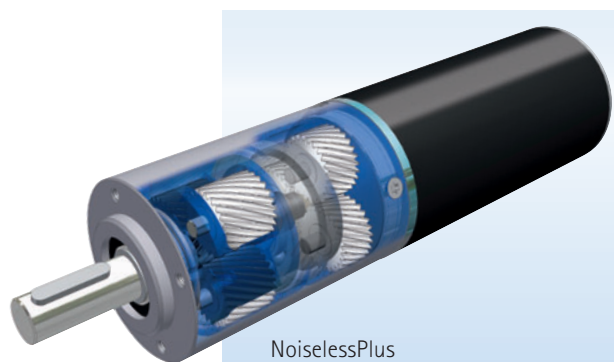
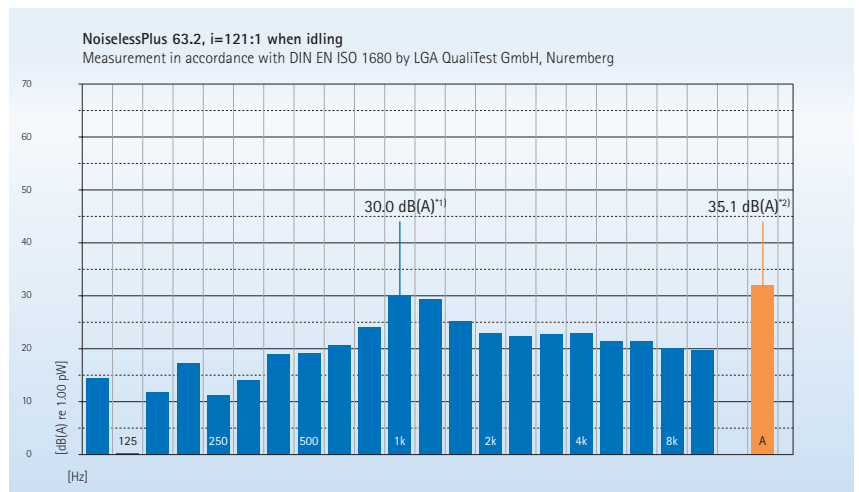
Efficiency – silent power included

Computer tomograph

Accurate diagnosis using computer tomography requires a lot of experience and sure instinct. In this endeavour, physicians are assisted by state-of-the-art drive technology from ZEITLAUF®. Our innovative NoiselessPlus 63 planetary gearhead makes sure the examination is gentle and precise. NoiselessPlus is one of the smoothest and quietest planetary gearheads currently available on the market.

The more modern the applied technology used in imaging diagnostics is, the more precise is the examination and the higher the quality of the results achieved. NoiselessPlus 63 ensures that examination procedures that involve the patient being steadily slid in and out of the tomography machine on a special table, requiring a powerful force, are both quick and gentle. Physicians rely on this process being smooth and jolt-free as well as precise and finely controlled, as the slightest imprecision could significantly impair the resulting image. ZEITLAUF® makes sure that patients benefit from optimum examination and medical staff can rely on quick, efficient, reliable computer tomography results.

The products we develop make sure that technical progress benefits the patient.



All in the name. The planetary gearheads making up this range are not called NoiselessPlus by accident. Readings taken by a certified noise level testing laboratory confirm top values for smoothness and noise reduction.

*1) maximum sound pressure level at a frequency of 1000 Hz
*2) total sound power level

Impressive performance when absolute performance is required

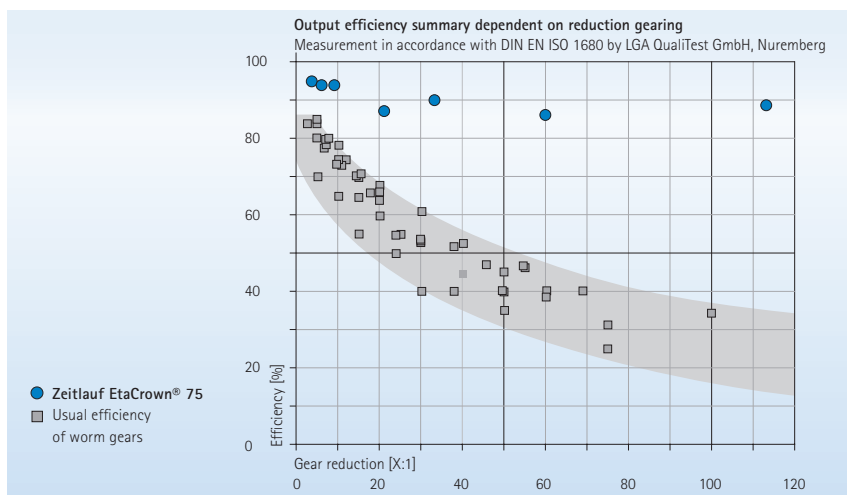
Broad power spectrum – it goes without saying

Operating table

The benefits of mobile operation tables are apparent when the patient can be moved from place to place without any gruelling transfer from table to trolley during operations. Maximum flexibility, user-friendliness and, above all, powerful performance are the strict criteria that have to be met. This is the only way to make sure things go smoothly, that staff are not burdened and patients are spared discomfort. Our EtaCrown® 75 angle gearhead reliably takes care of these stringent requirements day-to-day. And more – EtaCrown® 75 successfully combines cost-effectiveness with unique ease of use. A powerful drive and a reliable locking mechanism guarantee that tables provide a high degree of mobility and stability without any restrictions on flexibility.

More transparency and increasing cost pressure demand new directions in hospital procedures. More efficient operation procedures have to be established and, at the same time, the quality of medical care has to be raised. With our smooth, cost-effective, durable EtaCrown® 75 we make a significant contribution to this.

**With our efficient drive concepts we
make sure that lasting success is yours
for the future.**



The efficiency factor of angle gearhead EtaCrown® 75, in all reduction ranges, is markedly above 85 %. The toothed wheels of a crown gearhead roll off one another and do not slide, as is the case with a worm gear. The energy loss is therefore significantly lower so that a substantially greater share of the power supplied is available as output power.



Reliability with guarantee

Dentist's chair

A flexibly adjustable neck-rest on a dentist's chair can make treatment decidedly more comfortable for the patient. Our system concept, precisely tuned to the technical requirements and featuring planetary gearhead Performax 42, ensures that the working environment is efficient, safe and comfortable. A reassuring solution for dentist and patient alike.



Efficient planetary gearhead Performax 42 stands out for its compact design and smooth operation when adjusting the neck-rest on a dentist's chair.



Hidden power

Patient handling

Innovative gearmotor technology from ZEITLAUF® antriebstechnik in motorised patient lifters considerably lessens the workload of patient carers by making it easy to gently lift and move the patient safely without stressing the back.



The Pgs 59 planetary gearhead featuring a special output shaft for patient lifters.



Strength for day-to-day use

Leg trainer

Our powerful drive solutions reliably move the motorised movement rail for the knee and hip joint with the aim of achieving best possible muscle build-up. The compact Performax 42 planetary gearhead helps this process by speeding up patient recovery and significantly improving joint mobility.



Our pioneering technology is 100% reliable. Strong and precise, planetary gearhead Performax 42 makes sure that rehabilitation therapy brings success.

Our standard modular system – a unique concept



4,039 Drive solutions

For each demand, we have the correct drive. A high standard of engineering competency and logistical finesse, for optimal achievement and maximum efficiency, in an unbeatable modular system:

- 4,039 different drive solutions with unique power densities and application ranges
- "Assembling on demand" – fast and customised combination of the components you need to the highest standard of perfection.



48 Hours service

We react flexibly to the demands of a market with short-lived tendencies. After receipt of the order, we are able to dispatch to you your specifically configured drive – up to 20 pieces – within 48 hours*. Even a larger number of items and small-batch items can be ordered from our standard modular system.



Keep-Word-Warranty

We push back the limits with a singular warranty promise and go to exceptional lengths:

- replacement or repair of a defective gear motor, twice within a year – without question of blame
- an error log for the cause of failure with each return consignment
- in the case of overloading of the gear motor, you may exchange for a more powerful solution, which a full credit is applied to the price of the original drive cost.



3D data available free of charge

For the purpose of speeding up and simplifying project planning, our Online Shop provides the user with all the specific data concerning our entire standard range. Users also benefit from a free CAD data call-up facility (3D models) in around 30 standard formats. It is simply not possible to design drive solutions faster and to better effect.



Standard modular system, online shop

Our unbeatable standard modular system is of course also available online. Our Internet portal contains a unique product configurator which you can use to put together all of our 4,039 solutions according to your specific requirements. Select and order the product you require intuitively, conveniently and smoothly.

Click our online shop – www.zeitlauf.com

* Subject to goods being sold.