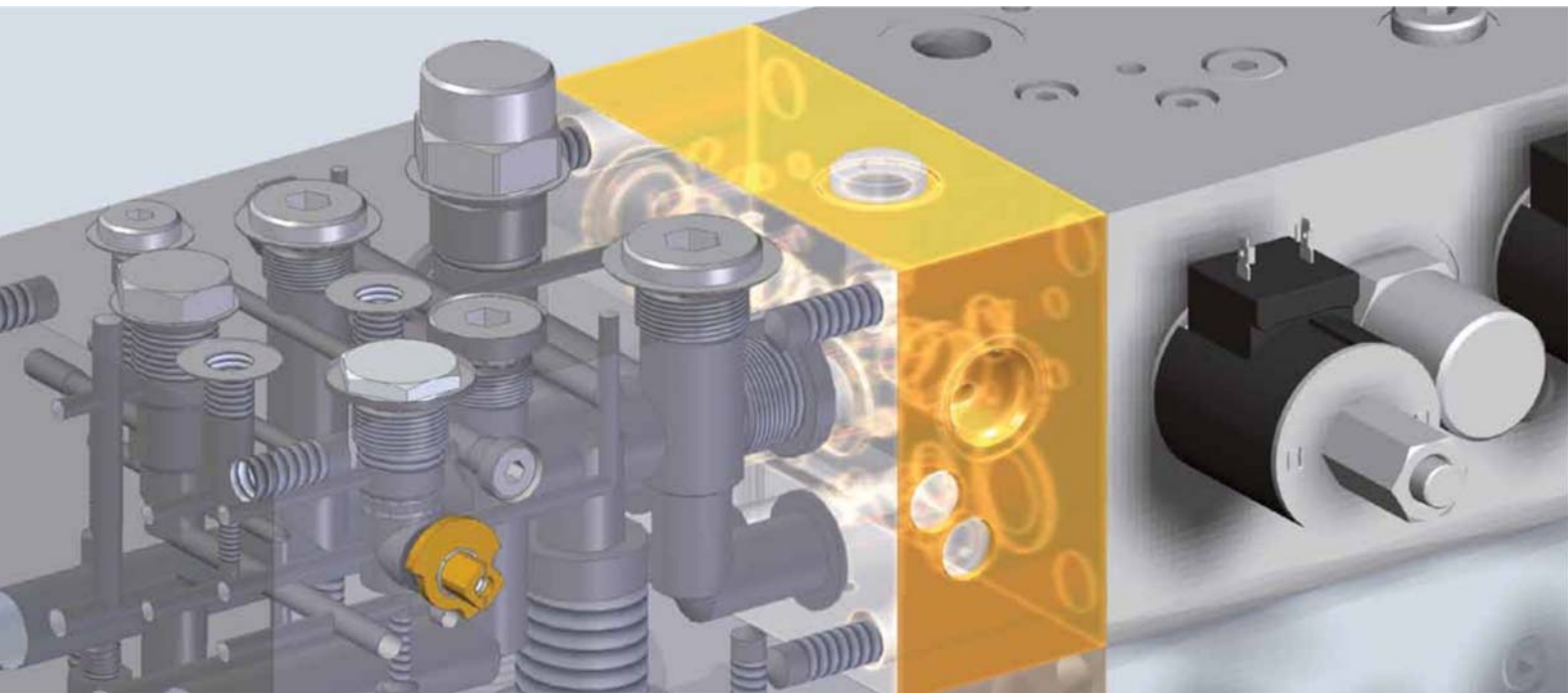




Inspired and visionary.

Your ideas and visions inspire us and we develop efficient solutions from them. With a great deal of passion for detail, we take care of not just the product but everything to do with it, from application consulting to logistics. We ensure that you are completely satisfied. And that's a promise.





Close to the customer

A close relationship to the customer is important for us. That's why it has always been at the core of our company philosophy ever since Fluitronics was founded in Düsseldorf in 1952. An integrated team of experienced sales engineers and technicians work on hydraulic solutions from the idea through product development to the ready-to-install assembly, with close contact to the customer and an understanding for their technology. We fulfil individual wishes and services, for example just-in-time logistics or long-term spare part supplies. At any time.

Structured

At the company's premises in Krefeld, where Fluitronics has been located since 2008, we have consistently set up new structures for production, logistics and order processing in accordance with customer oriented criteria. The continuous improvement process is established in all areas to the benefit of both customers and suppliers: they profit from a seamless supply chain structure wherever our customers are active – in accordance with our international standards.

Individual

As befits our philosophy of "inspired and visionary", many well-known manufacturers rely on our products and services and discuss innovative solutions with us. Customer-specific, tested assemblies in medium and large numbers are the result of this collaboration. Our medium-sized company structure permits flexible adaptation to the individual requirements of users. Our Know-how – your benefit.

Control manifold
for refuse vehicle



Raising our game

We are a high-performance engineering company which has maintained its position in the fluid power business for more than 60 years. This is due to our development strengths, our quality standards, our personal customer support, sustainability and the unique positioning of our offering in the market. Advantages which count.





Our core competences:

- Market presence
- Engineering
- Production processes
- Quality assurance
- Individual logistics

Our strengths:

- Close relationship to the customer
- Speed of implementation
- Adaptability
- Personal contact at all levels
- Sustainable action

Our standards:

Process capability and attention to technical details combined with proximity to the customer.

Your benefit:

Reliable and powerful technology precisely tailored to your requirements.

Integrated control unit
for construction
vehicle



Ideas emerge from communication.

To offer outstanding solutions, one has to know and understand customers' requirements. For us, engineering therefore begins with the first meeting with the customer. Communication is the basis for successful product development and for a living supplier-customer relationship.





Partnership-based co-operation

We offer more than just products. As a system supplier and integrator we are independent of individual manufacturers and select the best hydraulic solution in each case together with the user. Our principle: top quality. Partnership is most tangible when problems arise. A level playing field, readiness to compromise and fairness help to solve even difficult cases. We place great value on long-term, durable and trustful partnership-based co-operation. This is how the technology of tomorrow is created – inspired and visionary.



At home in many sectors

Every sector has its specific demands of hydraulics. At Fluitronics we therefore have experienced segment managers for key applications who are in action all across Europe. We are active in agricultural and construction machinery, municipal vehicles, compact presses, drilling and materials handling technology and marine applications as well as energy, lifting and medical technology. We offer optimum technical solutions specifically designed for each segment.



Customer-oriented Know-how

Our staff remain partners for the combined project beyond the initial contact. We constantly check alternatives to existing solutions and approaches and offer additional services and comprehensive documentation in order to be able to retrace the development at a later date. The combination of hydraulics with mechanics and electronics and also an eye for efficiency are all part of an integrated project.

Compact powerpack
for clamping
function



Our strength is the development process.

For us, being a system partner means more than just designing components. We regard it as the competent mastery of the entire process of individual product development – from the first meeting through to production support. We not satisfied until your first-class products are successful in the market.





Contact

Our sales engineer clarifies the requirements for the product to be developed as well as the time schedule and the aims of the co-operation in a personal meeting with you. That is the starting signal for the project after which you will be continuously informed about the progress.



Design

Innovative approaches and technical expertise are needed. Sales engineer and project manager develop a design concept and produce circuit diagrams, parts lists and an initial draft design. A decision is then made as to how the goals are to be achieved.



Construction

The project takes on a concrete form: the virtual product is created as a 3D model and a dimensional drawing in the CAD system. This process produces a finished construction – your approval.



Prototype build

Now we move from the virtual world to the real world. After the components have been made or purchased, the prototype is built and tested in detail as an initial sample. It must then prove itself on-site in the machine.



Preparation for mass production

Preparations for mass production are started after the prototype has proven itself and all details have been agreed. The necessary documents are produced and production and logistics planned to ensure smooth delivery.

High pressure distribution manifold with cartridge valves



We prefer to mass-produce quality.

One of our core competences is mass production with runs of between 50 and 5,000 per year. Each part is identical to the next. Organisation, logistics and constant optimisation are synchronised and aligned with your requirements. Because for us, the most important thing is our customers' satisfaction.





CIP – continuous improvement

High quality expectations can only be fulfilled with constant effort. For this reason, continuous improvement is an inherent part of our daily work schedule in all areas. We make effective use of the knowledge of every single employee to produce the best possible product for you.



FiT – “Fluitronics im Takt”

That's what we call our production philosophy. Short throughput times and high productivity make us “FiT” in order to be able to supply customers just-in-time. Batch sizes and delivery deadlines are adapted to your production programme.



Logistical precision

Logistics means: the right part in the right place at the right time in the right quantity and quality on both internal routes and on delivery to the customer. With our competence in logistics we adapt precisely to your individual concept.

Mobile power generator
with hydraulic
drive unit



Our foundation for a shared future.

Our Krefeld site is the home base for our committed team. Fluitronics draws on a large number of outstandingly qualified specialists and academics to fulfil its demanding functions. We constantly promote our employees' knowledge and skills so that we can successfully forge a shared future with our customers.





We are Fluitronics

In technical, commercial or administrative roles you will always find an experienced team with a great deal of experience in drive technology. Our capability is founded on the knowledge and competences of all employees. We commit ourselves to your needs with a great store of experience and receptiveness for new challenges. Teamwork, continuous improvement, personal further training and acting sustainably are the principles with which we seek an ideal solution for you once again. Give us a challenge!



Professional and advanced training

Fluitronics trains young people in commercial and technical professions and collaborates with universities in seminar papers and Bachelor and Master theses. We regularly ascertain the training needs of our staff and promote their level of knowledge with internal and external training sessions. In this way, we also ensure the highest competence for innovative solutions in the future.



Networking

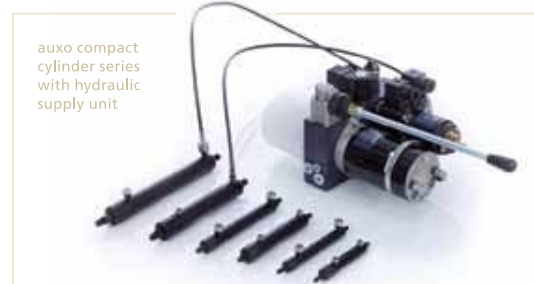
The success factors for the future lie in teamwork and inter-organisational networking. Fluitronics works intensively with suppliers and customers and is linked to universities and colleges via development partnerships. In addition, we are involved in associations such as the VDMA, trade associations and the German Marketing Association.



Sustainability

Our sustainable actions for all our activities stem from a commitment to use our planet's limited resources responsibly.

One example in development and design is the efficiency increase and noise reduction of hydraulic systems.



auxo compact cylinder series with hydraulic supply unit

Fluitronics – your competent partner ...

Consulting ■■■ on-time delivery ■■■ Quality ■■■ Performance ■■■ Planning
■■■ Development ■■■ Energy efficiency ■■■ Responsibility ■■■ Communication skills ■■■
Creativity ■■■ Diligence ■■■ Productivity ■■■ Sustainability ■■■ Standards
■■■ Experience ■■■ Effectiveness ■■■ Customer service



... for individual system solutions





Move

- Modular valve range
- Standard valve cavities
- Exchangeable to cetop application
- Flexible design
- Short delivery time
- Simple assembly



Stationary power packs

- Low-noise pumps
- Large series quantities
- Customer-specific



Compact power packs

- Flexible modular construction
- DC and AC motors
- Up to IP65
- Adaptable control manifold
- Large number of variants



Hydraulic motors

- Gear motors
- Piston motors
- Orbit motors
- Many connection geometries

- 54% less power consumption
- 70% weight reduction
- $p_{\max} = 250 \text{ bar}$
- $Q_{\max} = 30 \text{ l/min}$

- E-motor range up to 11 kW
- Volume flow up to 120 l/min
- 7 valve positions

- 12/24 V AC/DC
- 0.5 kW – 4.0 kW
- $0.8 \text{ cm}^3/\text{U} - 8.0 \text{ cm}^3/\text{U}$
- Reservoir volume 0.5 l – 30 l

- Pressure range up to 350 bar
- Torque up to 6,000 Nm



Filtration

- Pressure  ers
- Return  ers
- Filter manifolds
- Filter elements
- Peripherals

Electro-hydraulics


- Complete control unit
- Job calculator
- Operator controls
- Display controls
- Proportional activation
- Programmable logic control

Drive solutions

- Finely adjustable motor controllers
- Compact control unit
- High throughput
- Proportionally adjustable
- Direction switch

Hydraulic control manifolds

- Intelligent valve technology
- Gauge interfaces
- 100% test
- High system competence
- Complex applications

- 1µm Particle  iration
- Flow rates up to 2,000l/min

- CAN bus
- CoDeSys

- Control accuracy $\pm 2\%$
- Pressure range up to 350 bar

- Flow rates up to 400l/min
- Pressure range up to 420 bar



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