

**VECTOR  
FORCE  
TECHNOLOGIES**

**AI CONTROLLERS**

The logo consists of the letters 'VFT' in a bold, white, stylized font with a double outline, set against a red circular background. The 'V' and 'F' are connected, and the 'T' has a unique, angular design.

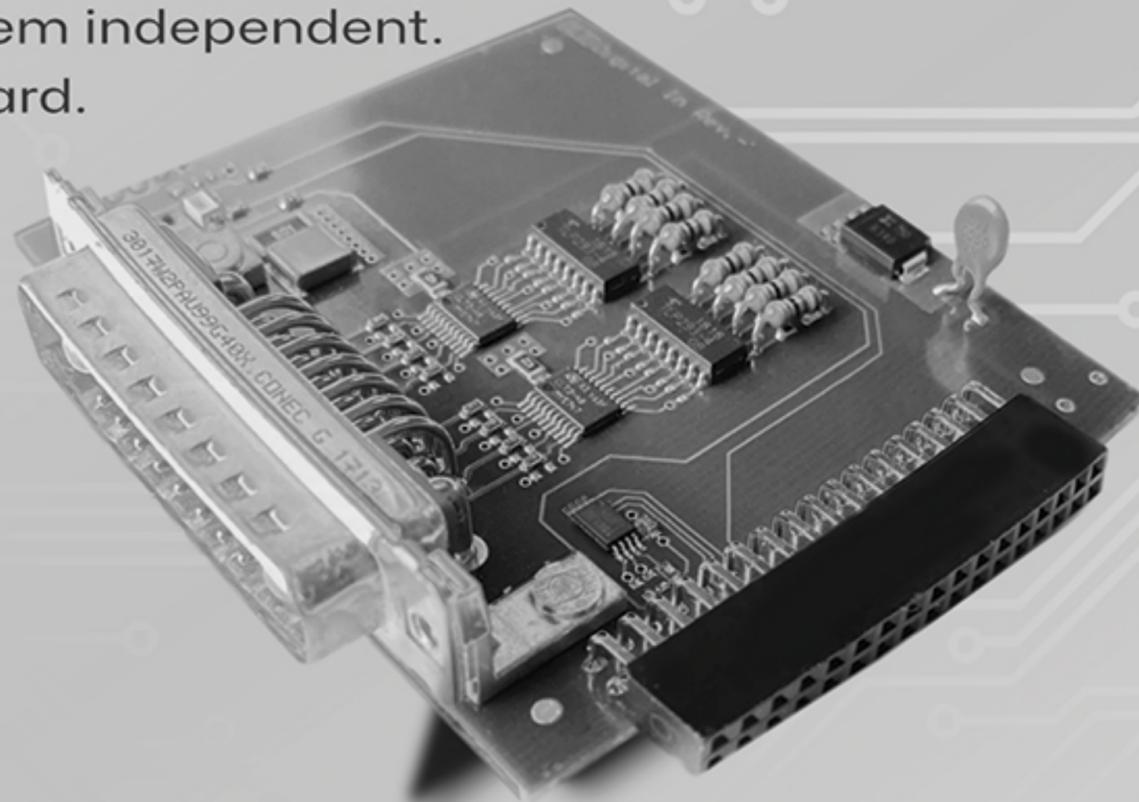
**VFT**

# HIGH PRECISION

## FUNCTIONS AND COMPONENTS

Great performance

- Variable close loop control up to 25 kHz.
- 24 bit resolution in measurement and control mode.
- 8 VFT slots can be extended modularly.
- Suitable for static, dynamic & hydraulic test systems.
- Operating system independent.
- SSD memory card.



Independent of external computers.



**CONTROLLERBLOCK VFT 25/10/5/1**

# CONTROL ELECTRONICS

## AI GENERATION

Optimum performance

- Parallel data collection in real time.
- Automatic PID tuning.
- SCPI communication protocol.
- Own hydraulic control module.
- Software with ISO and ASTM module.
- Video extensometer for strain measurement.
- External communication via own IP address/CAN bus.



Deep learning for continuous improvement process.

MADE IN GERMANY



# GERMAN



## Functional, reliable, Great value

- We develop and manufacture exclusively in Germany.
- Customer-specific solutions for precisely digital measurement and control technology for static and dynamic test applications.
- State of the art for data acquisition and control of test machines.



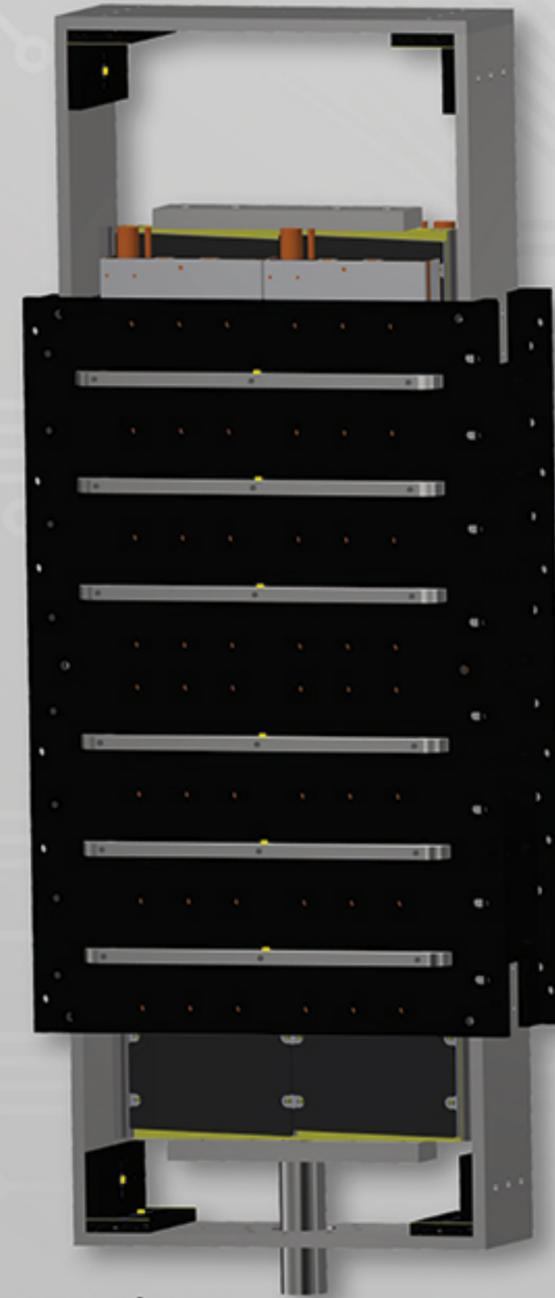
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# WORKMANSHIP

## VFT Linear Motor

The VFT linear motor is an alternative for hydraulic cylinders. Our VFT linear motors work without oil and can be easily placed in a medical environment or cleanroom.

VFT has various linear motors with a maximum dynamic force of 500N, 1kN, 3kN, 6kN and 10kN developed. The maximum dynamic displacement is 80mm and frequencies up to 200 Hz are possible.

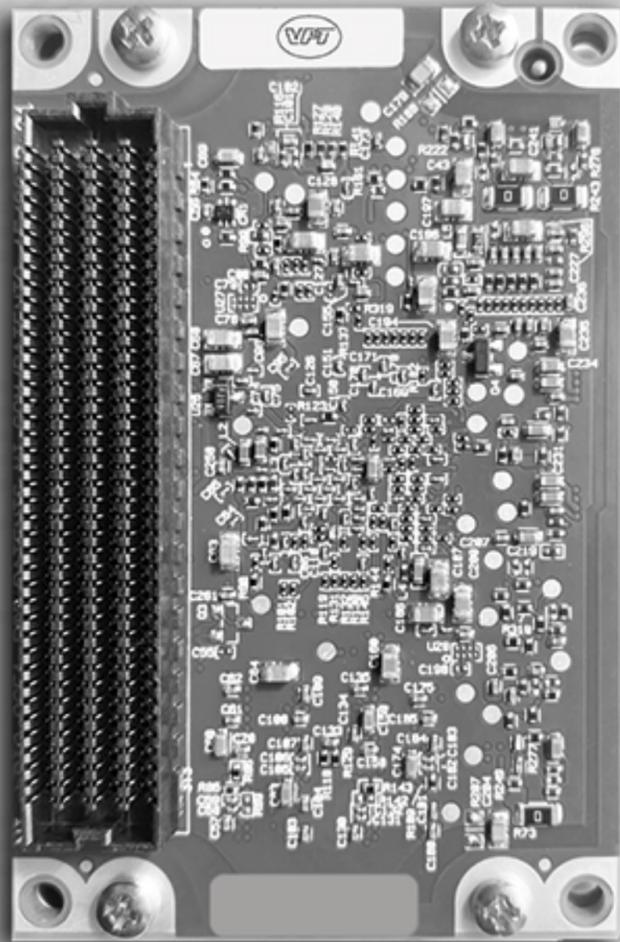


We can adapt your requirement to our linear motors.

**MADE IN GERMANY**



# SERVICE



## **VFT stands for**

### **Quality**

VFT products and services are known for the highest quality.

### **Innovation**

Since its start, VFT stand for innovative products and services.

### **Service**

VFT offers fast, global remote service or directly at your facilities.

### **Solutions**

Our VFT development department offers customer-specific complete solutions for your testing machines.



**CONTROLLERBLOCK VFT 25/10/5/1**

# PERFORMANCE

## SUPPORT

### Workflows

Standardized workflows at VFT makes it possible to have fast and effective response time for orders and service.

### Manufacturing depth

From development to the production of high-tech parts on our finished product, we manufacture everything in-house.

### Quality

Any device manufactured by VFT undergoes an intensive continuous test and is documented with a test protocol.



### VFT CONTROLLER

#### Modernization

The cost-effective alternative to buying a new test instrument.

**MADE IN GERMANY**





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