

### **1) Delivery- and price situation of FZG-Test gears and FZG-Test rigs**

Due to a close collaboration with the gear manufacturer and the creation of larger stock capacities we were able to advance the delivery situation substantially.

Today we are in a position to deliver all types of test gears in best time and at constantly high quality level.

Our purpose for the next years is to keep this high standard, respectively to shorten the delivery times further for our customers.

The prices for the components of the test rig from the accessories to the point of service remain unchanged further on in 2007!!!

Please find detailed price information in the attached price list.

### **2) Improvements of the standard FZG Test rig**

The control unit of the rig was fundamentally revised, improved and modernized.

It is now equipped with a Siemens C7-636 including integrated S7-315 controller with a colour LCD-display. Amongst other things now two spray lubrication units can be operated for a separate lubrication of the test- and the transmission gear box.

Curve-display of the temperature values such as menu-driven operator guidance is also a big advantage. For example 6 test parameter settings can be stored now in each test mode.

### **3) Test rig with switch-able speed reducer gear box**

On demand of our customers we can offer now a test rig with enlarged base frame and an integrated switch-able speed reducer gear box (1:1 and 25:1). This test rig is used for low-speed wear tests.

### **4) Analogue Outputs**

Optionally analogue outputs ( $\pm 10$  V) for speed, oil sump temperature and oil inlet temperature are available.

These outputs can be used for data acquisition using an external PC when running long-term tests.

### **5) Torque measurement**

On request we also can offer a contact-free torque measurement on the pinion shaft.

Therefore the torque is measured using strain gauges on the pinion shaft between load clutch and transmission gear box. Afterwards the signal is transmitted contact-free by a telemetry system.

This signal will be acquired by the control unit of the test rig and displayed on the screen. An analogue torque output (0-10V) on the control unit is also included in the delivery at this option.

### **6) Casters for the control rack**

Also as an option we offer casters for the control rack of the FZG Test rig.

This frame with casters enables user-defined placing the control rack at narrow space.

### **7) New reference oils**

The reference oils RL 214 (high reference for test procedure L-84-02) and RL 219 (follower of RL 144) are now also available beside RL 133.

We would like to take the opportunity to call your attention to our service- and training-offers, such as our buy-back offer for your old test rig.

We also can offer special test rigs such as load spectra- or efficiency test rigs – not only for gear testing – according to your specification.

Our new FZG folder and the company leaflet from Strama-MPS will be sent to you in a few weeks by mail.

Additionally, we would like to thank you for your feedback, your technical fillips and your positive criticism.

If you have any further questions on FZG Gear Test Rig, please do not hesitate to contact us. We also invite you to visit our company, so that we can demonstrate the test rig and the additional equipment.

#### **8) Pictures of the new Standard FZG Test Rig Generation**











