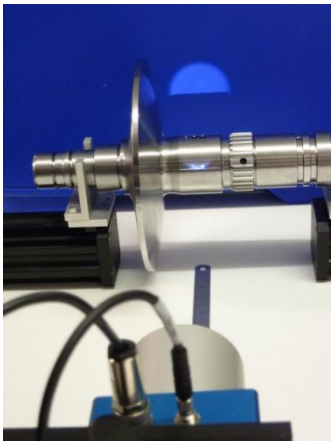
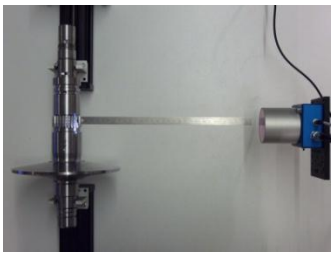
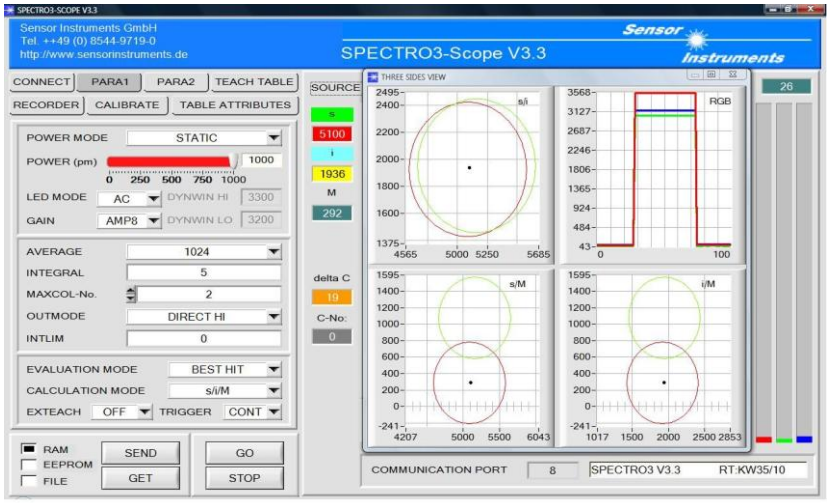
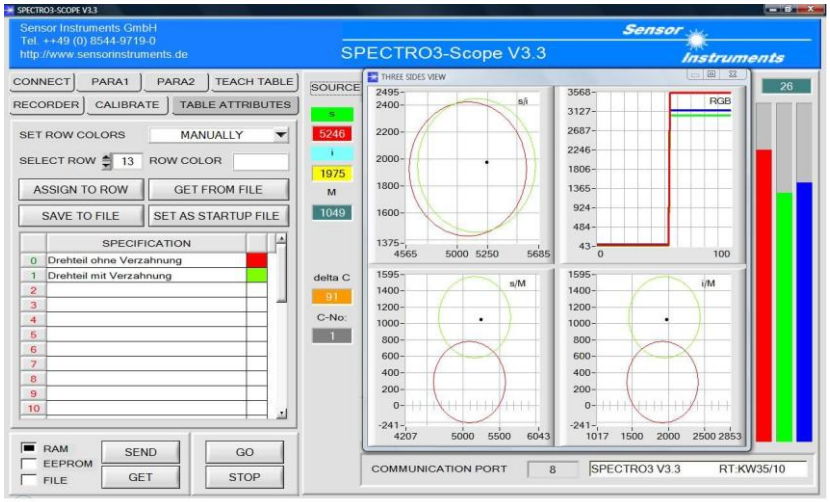
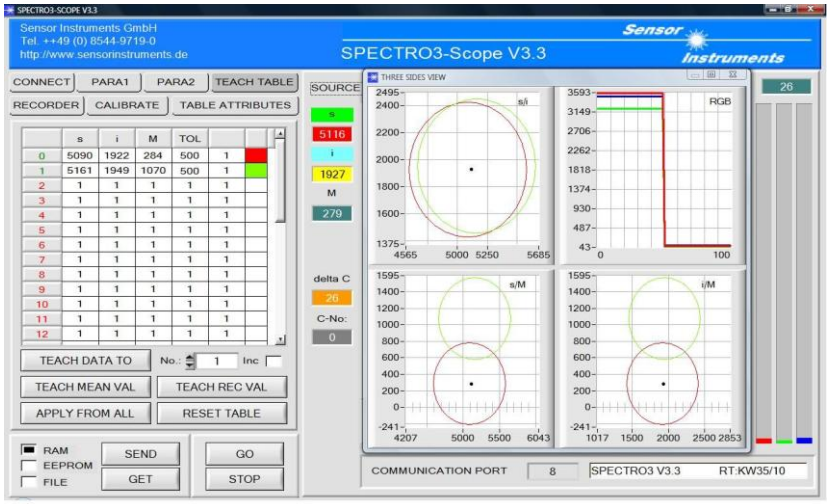
1. Differentiation between a shaft with and without a tooth system

Two different metal shafts should be differentiated. The one has a flat cylindrical surface whereas the other type comes with a tooth system. For this purpose a color sensor type **SPECTRO-3-200-COF-d25.0-CL** is used. The unit has a spot size of 35mm at a distance of 300mm from the sensor. The screen shots shows, that a proper differentiation of the two types of shafts is possible.