



### 1. Color and structure sensor COAST-85-30°/30°

The sensor type **COAST-85-30°/30°** is the first of a clutch of sensors from the new COAST series, it's a hybrid sensor which consists of a color sensor and a structure sensor. The color sensor part is the same as the sensors from the SPECTRO-3-FCL-... group are equipped with and the structure sensor part is similar to the L-LAS-RL-20-W, but instead of using a diffuse glass plate in front of the white LEDs, a clear glass plate will be used. Furthermore the software from the structure sensor differs from the software of the L-LAS-RL-20-W. At this, the spatial frequency spectrum from the video signal of the line scan detector will be calculated and compared with reference spectra. There is a separate controller for the color as well as for the structure available. Thus, five digital outputs from the color part and another three digital outputs from the structure part of the hybrid sensor **COAST-85-30°/30°** are available. Additionally to this, two RS232 serial interfaces and two white-light LED ring lightning sources for forward and backward illumination are on board.

