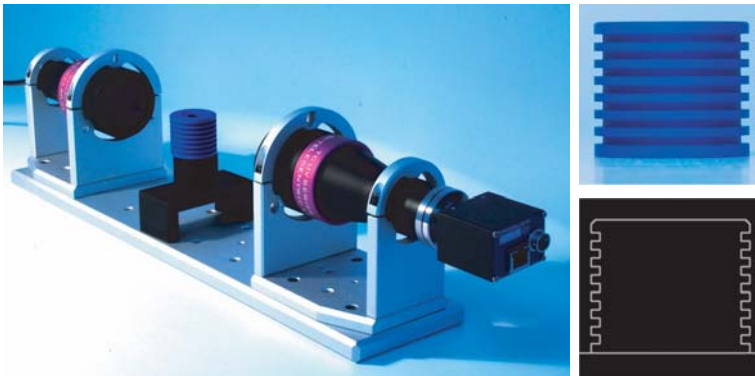


OPTICAL EDGE EXTRACTION TELECENTRIC SYSTEMS



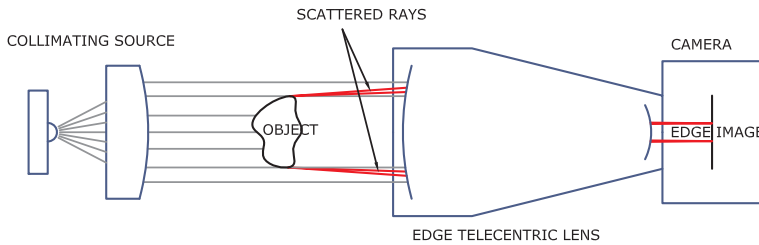
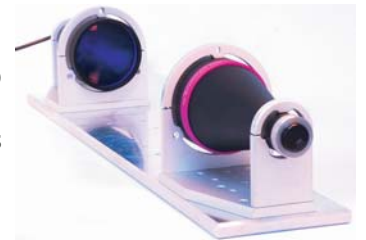
Our Patent Pending **TC EDGE** optics provide a really **REVOLUTIONARY AND UNIQUE** approach to machine vision applications.

A proprietary optical technology ensures that only the rays deviated by an object's edge are imaged on the detector plane: **edges are automatically extracted by the lens system without any need of software algorithms.**

This technique makes it possible to enhance even the tiniest defects, particles and surface discontinuities which could not be detected by any other type of lens system.

TC EDGE optics integrate Opto Engineering® exclusive **TCUV** telecentric lenses, integrating edge-enhancement features, coupled with **OE LTCLUV** collimating sources.

The optical system also integrates OE mounting mechanics and is supplied as a pre-aligned full optical set.



		Detector Type					
		1/3"		1/2"		2/3"	
Part Number	magn. (X)	w (mm)	h (mm)	w (mm)	h (mm)	w (mm)	h (mm)
		4,8	3,6	6,4	4,8	8,8	6,6

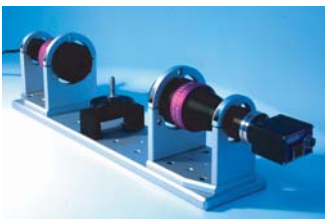
Electro-Optical Specifications		
Wavelength range	(nm)	405 nm
DC Voltage	(volt)	12 to 24
Power Consumption	(watt)	< 2 w att
Eys Safety Class		Class IIIb LED product

		Object Field of View					
TCEDGE36	0,241	19,9	14,9	26,6	19,9	36,5	27,4
TCEDGE48	0,183	26,2	19,6	34,9	26,2	48,0	36,0
TCEDGE56	0,157	30,6	22,9	40,8	30,6	56,1	42,1
TCEDGE64	0,137	34,9	26,2	46,6	34,9	64,1	48,0
TCEDGE80	0,110	43,5	32,6	58,0	43,5	79,7	59,8



UNIQUE DETECTION PERFORMANCES:

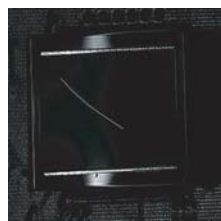
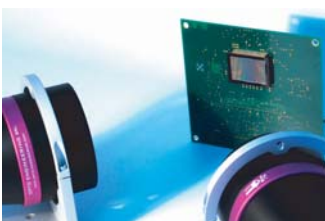
1) FAST MEASUREMENT APPLICATIONS



3) PARTS ALIGNMENT



2) SURFACE DEFECT ENHANCEMENT



4) INCLUSIONS AND DEFECT ENHANCEMENT

