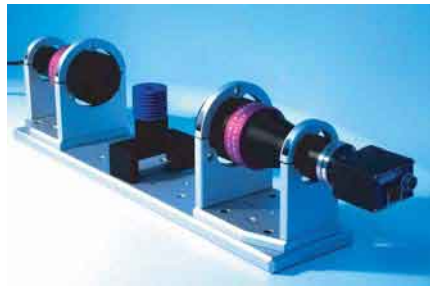


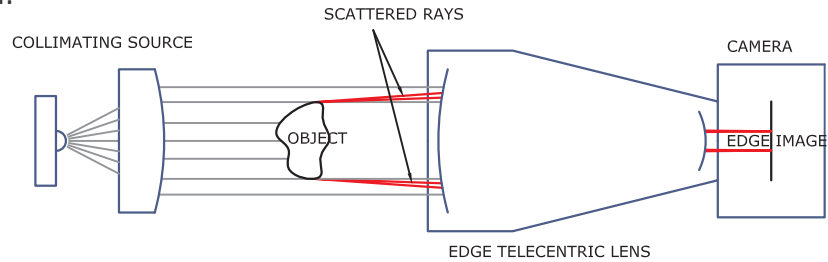
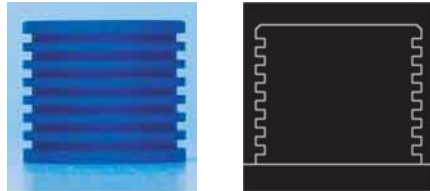
TC EDGE SERIES

OPTICAL EDGE EXTRACTION TELECENTRIC SYSTEMS



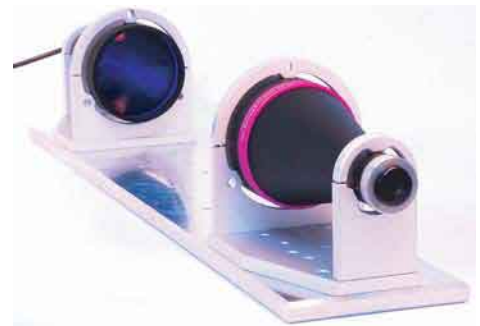
Our new **TC EDGE SERIES** optics provide a really **REVOLUTIONARY AND UNIQUE** technique for machine vision applications.

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 enhancing tiny defects, particles and surface discontinuities which cannot be viewed by any other type of lens system.



TC EDGE optics integrate our exclusive **TCUV** telecentric lenses coupled with UV collimating sources pre-assembled by means of precision mechanical components and the edge enhancement features built-in the system.

Part Number	magn. (X)	Detector Type														
		1/4"		1/3"		1/2"		1/1.8"		2/3"						
		w	h	w	h	w	h	w	h	w	h					
		3,6	2,7	4,8	3,6	6,4	4,8	7,13	5,37	8,8	6,6					
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)					
Object Field of View (mm x mm)																
TCEDGE36	0,241	14,9	x	11,2	19,9	x	14,9	26,6	x	19,9	29,6	x	22,3	36,5	x	27,4
TCEDGE48	0,183	19,6	x	14,7	26,2	x	19,6	34,9	x	26,2	38,9	x	29,3	48,0	x	36,0
TCEDGE56	0,157	22,9	x	17,2	30,6	x	22,9	40,8	x	30,6	45,4	x	34,2	56,1	x	42,1
TCEDGE64	0,137	26,2	x	19,7	34,9	x	26,2	46,6	x	34,9	51,9	x	39,1	64,1	x	48,0
TCEDGE80	0,110	32,6	x	24,4	43,5	x	32,6	58,0	x	43,5	64,5	x	48,6	79,7	x	59,8



SPECIFICATIONS:

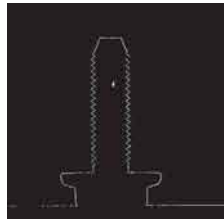
Wavelength Range: 365... 420 nm
Power Consumption: < 2 W

Input Voltage:
Eye Safety Class:

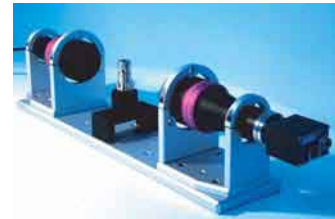
12 .. 24 V DC
Class IIIr LED product

UNIQUE DETECTION PERFORMANCES:

1) FAST MEASUREMENT APPLICATIONS



3) ALIGNMENT OF PARTS



2) SURFACE DEFECT ENHANCEMENT



4) INCLUSIONS AND DEFECT ENHANCEMENT



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