

DYNASCAN

SMARTSCAN TURBO

RAPID INSPECTION SYSTEM



Smart, Fast, Easy, Accurate . . .

The **DYNASCAN SmartScan Turbo** is a revolutionary, non contact **Rapid Inspection System**.

The space saving, ergonomic, cutting edge design with a precision Bi-Telecentric Lens, high resolution CMOS Camera and advanced Metrology Vision Software, captures and presents parts under inspection as drawings with dimensions, tolerances and a colour coded Pass/ Fail Reports. This results in fast, easy, accurate, automatic inspection and measurement of parts.

Touch, Measure, Sort, Reverse Engineer . . .

The state of the art '**One Touch - Instant Measurement Software**' and **Touch Screen User Interface** are easy to learn and operate - just place the job and 'Touch' - the SmartScan does the rest, in seconds, automatically, without operator interference.

Create Drawings, DXF Files, Tolerances, Pass/Fail Reports . . .

The **SmartScan** generates drawings, DXF files and Pass / Fail Reports with tolerances, offering multiple reporting formats, resulting in ease of use, high through-put and productivity .

Automatic, Non Contact, High Repeatability . . .

Since there are no moving parts and no operator involvement during measurements, as the process is completely automatic, operator subjectivity and errors are eliminated, resulting in highly consistent, accurate, repeatable results and a high level of confidence.

SPECIFICATIONS	MODEL ST- 432	MODEL ST - 865	MODEL ST - 1410
CAMERA	5 MEGA PIXEL CMOS COLOUR CAMERA		
LENS	BI TELECENTRIC, LARGE DEPTH OF FOCUS, DISTORTION FREE		
FIELD OF VIEW (WITH SMALL CORNER CHAMFER)	42 x 32 MM	86 x 65 MM	140 x 118 MM
RESOLUTION	1 MICRON LEAST COUNT		
ACCURACY	2 MICRONS + L / 50*	4 MICRONS + L / 50*	6 MICRONS + L / 50*
	*Measured with a Calibration Standard		
REPEATABILITY	+/- 0.5 MICRONS	+/- 1.0 MICRON	+/- 1.5 MICRONS
ILLUMINATION SYSTEM	PROFILE LIGHT - SOFTWARE PROGRAMMABLE		
	SURFACE LIGHT - SOFTWARE PROGRAMMABLE 4 SEGMENT		
PC DEVICE	DELL HIGH-END PC OR EQUIVALENT		
USER INTERFACE	DELL 22 INCH, HIGH RESOLUTION, TOUCH SCREEN MONITOR OR EQUIVALENT		
DIMENSIONS LxBxH	250 x 200 x 450MM	320 x 250 x 640MM	785 x 270 x 630MM
WEIGHT	15 KGS. (APPROX.)	25 KGS. (APPROX.)	45 KGS. (APPROX.)
POWER SUPPLY	100 TO 240 VAC, 50/60Hz, 350 WATTS, 1 PHASE		
AMBIENT CONDITIONS	10 TO 40 DEGREES CELSIUS		
SOFTWARE FEATURES			
INSTANT MEASUREMENT	ONE TOUCH INSTANT MEASUREMENT, PROGRAMMING		
AUTO-CALL	AUTOMATIC PART RECOGNITION AND RECALL		
AUTO-ALIGN	AUTOMATIC PART ORIENTATION AND ALIGNMENT		
MEASUREMENTS	LINES, ARCS, CIRCLES, SLOTS, BLOBS, DISTANCES, ANGLES,		
	16000 FEATURES, MULTI POINT/BATCH MEASUREMENT. SUB PIXEL PROCESSING AND POINT		
	FILTERS FOR ACCURACY		
TOLERANCES	LENGTH, DIAMETER, ANGLES, AREA, CONCENTRICITY, FORM ETC., ISO STANDARDS		
REPORTS	*.CSV, *.TSV, *.TXT ,		
CAD EXPORT / IMPORT	DXF FILE OF FEATURES, NOMINAL VALUES, TOLERANCES		
MULTI LANGUAGE FUNCTION	ENGLISH, GERMAN, ITALIAN, FRENCH, SPANISH, CZECH, PORTUGUESE, POLISH, RUSSIAN,		
	ROMANIAN, JAPANESE, CHINESE		
SERVICE SUPPORT			
	ONLINE SERVICE SUPPORT PROVIDED FOR SOFTWARE AND TRAINING		

DYNASCAN Inspection Systems Company

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