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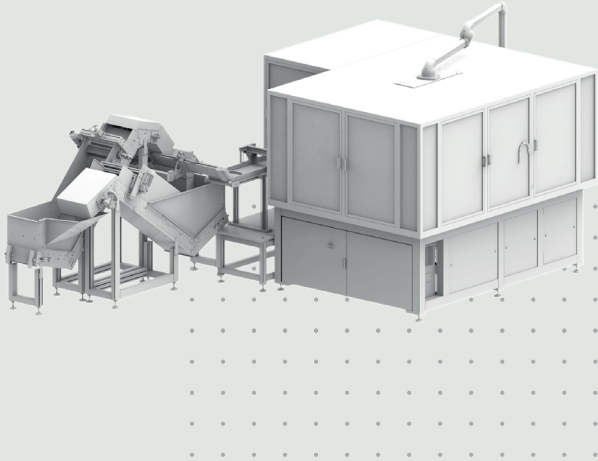
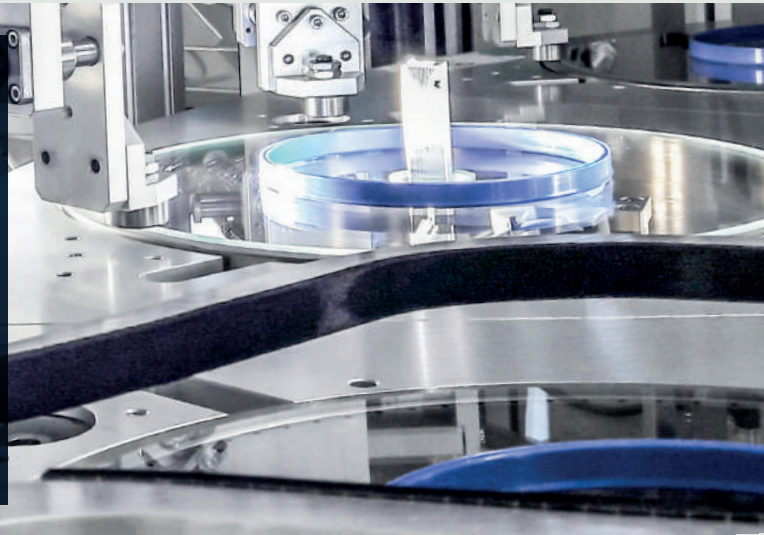
**AUTOMATIC VISUAL INSPECTION MACHINE
FOR LARGE OIL OR SHAFT SEALS**

PIECES

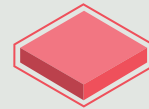
BIG OIL SEAL
SHAFT SEAL

DIMENSION

60 MM ID – 280 MM OD



**SURFACE
CONTROL**



**PROFILE
CONTROL**



**DIMENSIONAL
CONTROL**



**CUT AND BREAKS
CONTROL**

TO CORRECTLY DEFINE A DEFECT, A DEFECT MUST HAVE AT LEAST 30 GRAY LEVELS OF CONTRAST COMPARED TO THE NON-DEFECTIVE AREA.

DESCRIPTION

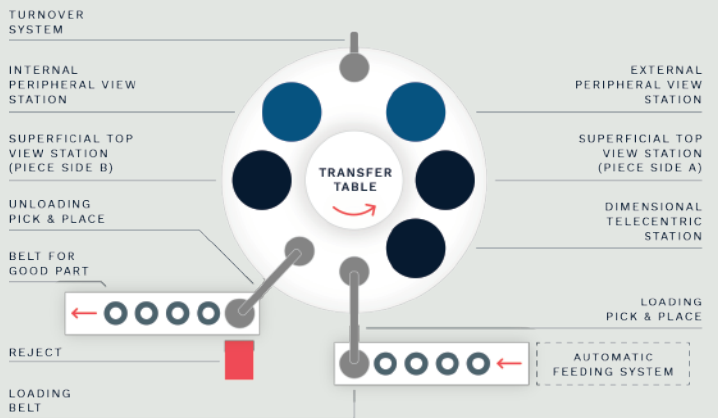
THE PART IS LOADED, MANUALLY OR BY AN AUTOMATIC SYSTEM, ONTO THE BELT AND THEN THE PIECE IS PLACED ONTO THE ROTATING TABLE.

THE PICK AND PLACE SYSTEM PLACES THE PIECE ONTO A ROTATING PLATE.

EACH INSPECTING UNIT PERFORMS A SPECIFIC VISUAL CONTROL OF THE PIECE AND DUE TO A TURNOVER SYSTEM THE MACHINE CAN INSPECT BOTH SIDES OF THE PIECE.

PARTS ARE UNLOADED BY A 'PICK & PLACE' SYSTEM ONTO A BELT AND REJECTED PARTS ARE SEPARATED IN A SPECIAL BIN.

LAYOUT



PIECE

TYPE	RIGID CIRCULAR PARTS
COLOUR	ALL, NON-TRANSPARENT
TYPICAL PIECE	BIG OIL SEAL, SHAFT SEAL
CHARACTERISTICS	CLEAN, FREE OF DUST OR PARTICLES THAT MAY ALTER THE PART'S PROFILE
SIZE*	60 MM ID – 280 MM OD
CROSS SECTION/HEIGHT	4 – 25 MM

VISION

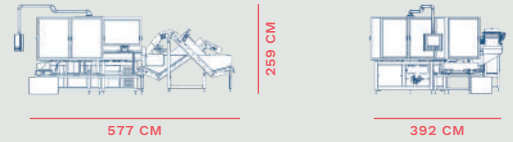
RESOLUTION	0.039 MM/PIXEL
ZOOM	NO
CAMERA TYPE	LINEAR
MAX FRAME FIELD*	30 MM (LINE)
CAMERA RESOLUTION	2048 PIXEL/LINE

PERFORMANCE






CYCLE TIME	UP TO 320 PCS/HOUR
TYPE OF FEEDING	AUTOMATIC/MANUAL
TYPE OF MACHINE	TRANSFER TABLE
NOISE LEVEL (FOR ELASTOMERS)	< 75 DB
THREE PHASE POWER SUPPLY	230 – 480 V
MAX INSTALLED POWER	3.5 KW
AVERAGE CONSUMPTION	2 KW
COMPRESSED AIR CONSUMPTION	200 NL/MIN

*CUSTOMIZATION IS POSSIBLE

DIMENSION



CHARACTERISTICS

-  STATISTIC AND REPORT
-  TRACEABILITY OF PRODUCTION LOTS
-  REMOTE MANAGEMENT
-  M.E.S. COMPATIBLE
-  CUSTOMIZABLE FOR SPECIAL PROJECTS

STANDARD CONFIGURATION

- DIMENSIONAL TELECENTRIC STATION

DIMENSIONAL CONTROL BY A LINEAR CAMERA

- TOP VIEW (SIDE S OF THE PIECE)

INSPECTING SURFACE AREAS OF THE PIECE WITH A LINEAR CAMERA. THE PIECE SCANNING IS DONE DURING THE COMPLETE ROTATION OF THE PIECE SUPPORTING PLATE.

- EXTERNAL PERIPHERAL VIEW

INSPECTING THE EXTERNAL PERIPHERAL SURFACE OF THE PIECE WITH A LINEAR CAMERA. THE PIECE SCANNING IS DONE DURING THE COMPLETE ROTATION OF THE PIECE SUPPORTING PLATE.

- INTERNAL PERIPHERAL VIEW

INSPECTING THE INTERNAL PERIPHERAL SURFACE OF THE PIECE WITH A LINEAR CAMERA. THE PIECE SCANNING IS DONE DURING THE COMPLETE ROTATION OF THE PIECE SUPPORTING PLATE.

- TOP VIEW (SIDE B OF THE PIECE)

INSPECTING SURFACE AREAS OF THE PIECE WITH A LINEAR

CAMERA. THE PIECE SCANNING IS DONE DURING THE COMPLETE ROTATION OF THE PIECE SUPPORTING PLATE.

OPTIONS

- AUTOMATIC FEEDING SYSTEM
- METAL DETECTOR