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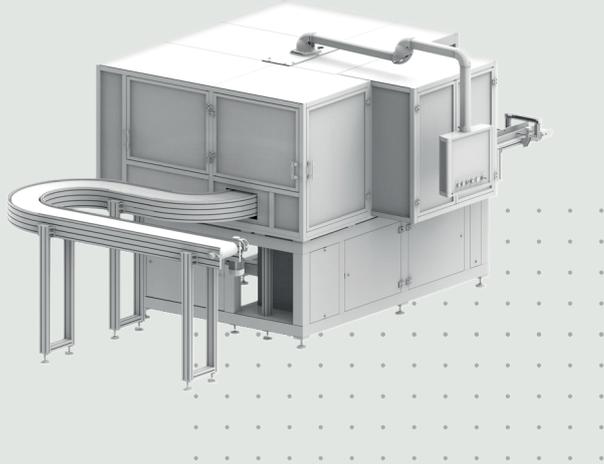
AUTOMATIC VISUAL INSPECTION MACHINE FOR LARGE OIL SEALS OR SHAFT SEALS

PIECES

BIG OIL SEAL
SHAFT SEAL

DIMENSION

120 MM OD



SURFACE CONTROL



PROFILE 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.

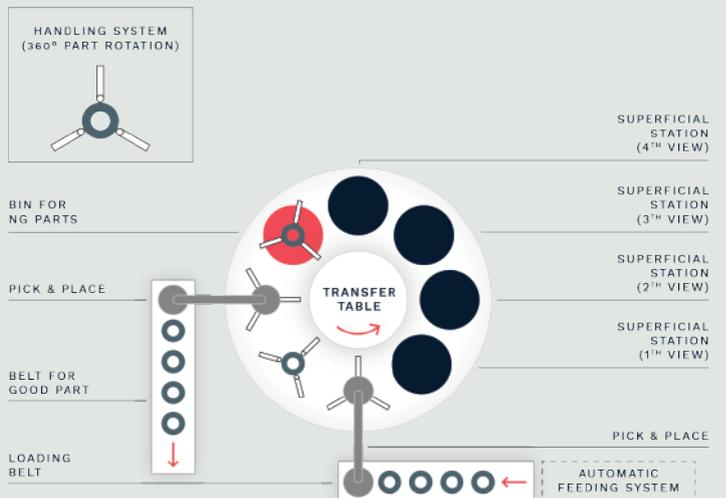
DESCRIPTION

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 & PLACE SYSTEM PLACES THE PART ONTO THE HANDLING SYSTEM, WHICH ROTATES THE PART. EACH VISUAL UNIT PERFORMS A SPECIFIC INSPECTION OF THE PART.

REJECTED PARTS ARE CONVEYED IN A BIN AND GOOD PARTS ARE UNLOADED BY A PICK & PLACE SYSTEM ONTO A BELT.

LAYOUT



PIECE

TYPE	CIRCULAR METAL RUBBER/ RIGID THERMOPLASTIC
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*	120 MM OD
CROSS SECTION/HEIGHT	UP TO 20 MM

VISION

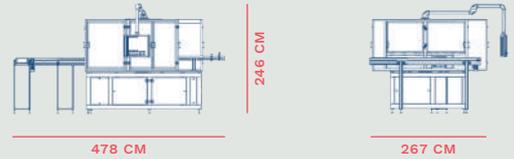
RESOLUTION	0.019 MM/PIXEL
ZOOM	NO
CAMERA TYPE	LINEAR
MAX FRAME FIELD*	20 MM (LINE)
CAMERA RESOLUTION	2048 PIXEL/LINE

PERFORMANCE

CYCLE TIME	UP TO 360 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	1.4 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

- MULTIPLE VIEWS

INSPECTION OF THE SURFACE IS DONE BY LINEAR CAMERAS POSITIONED IN DIFFERENT ANGLES. THE VISUAL CONTROLS OCCUR WHEN THE PART IS ROTATED BY THE MOTORIZED HANDLING SYSTEM.

OPTIONS

- AUTOMATIC FEEDING SYSTEM
- INKJET PRINTER
- METAL DETECTOR