

dSort 3

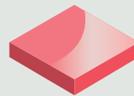
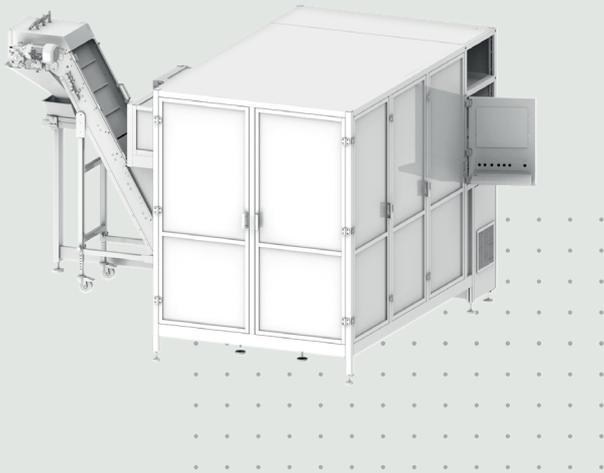
AUTOMATIC SORTING MACHINE WITH DOUBLE SEMI-TRANSPARENT GLASS TABLES

PIECES

O-RING
TECH. PART

DIMENSION

VARIOUS RANGE
AVAILABLE FROM 5-110
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

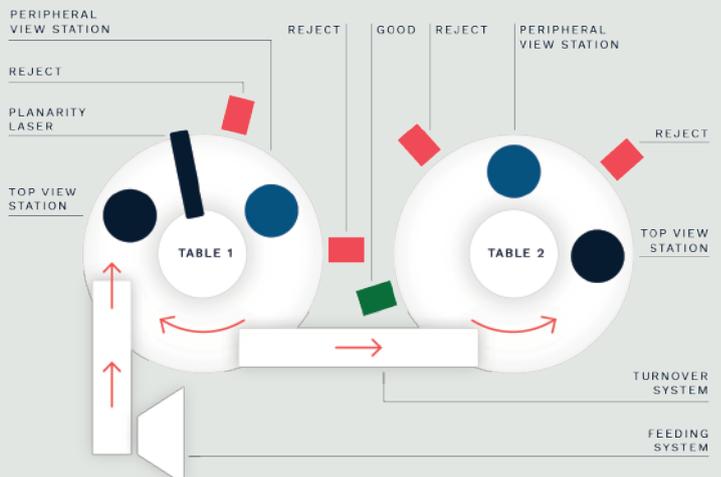
AUTOMATIC SORTING MACHINE WITH DOUBLE SEMI-TRANSPARENT TABLES.

THE MACHINE IS EQUIPPED WITH 2 TABLES AND A PIECE TURNOVER SYSTEM WHICH ALLOWS IT TO INSPECT THE PARTS ON 2 SIDES.

IT ALSO CONSISTS OF A HIGH PERFORMANCE FEEDING SYSTEM. PIECES ARE LOADED AND SORTED INTO DIFFERENT CONTAINERS DEPENDING ON THE TOLERANCE AND PARAMETERS THAT THE OPERATOR SETS. THE REPORT OF ALL DEFECTS AND PARTS COUNT ARE AVAILABLE

THE CONFIGURATION OF VISION SYSTEM IS FLEXIBLE: 5 OR 12 MEGAPIXEL CAMERA, MOTORIZED OR FIXED OPTICS.

LAYOUT



PIECE

TYPE	ELASTOMERS, RIGID MATERIALS
COLOUR	ALL, NON-TRANSPARENT
TYPICAL PIECE	O-RING, TECH. PART
CHARACTERISTICS	CLEAN, FREE OF DUST OR PARTICLES THAT MAY ALTER THE PART'S PROFILE
SIZE*	VARIOUS RANGE AVAILABLE FROM 5-110 MM OD
CROSS SECTION/HEIGHT	0.8 – 8 MM 0.8 – 15 MM (CUSTOMIZABLE)

VISION

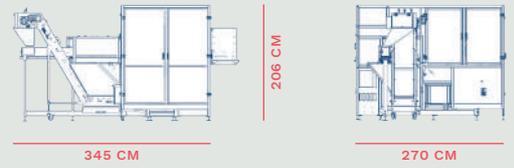
RESOLUTION	DEPENDING ON THE CONFIGURATION
ZOOM	AVAILABLE
CAMERA TYPE	MATRICAL
MAX FRAME FIELD*	120 MM
CAMERA RESOLUTION	5 OR 12 MEGAPIXEL

PERFORMANCE

VELOCITÀ	MAXIMUM 10 PCS/SEC.
TYPE OF FEEDING	AUTOMATIC
TYPE OF MACHINE	DOUBLE GLASS TABLE
NOISE LEVEL (FOR ELASTOMERS)	< 75 DB
THREE PHASE POWER SUPPLY	230 – 480 V
MAX INSTALLED POWER	4 KW
AVERAGE CONSUMPTION	1.7 KW
COMPRESSED AIR CONSUMPTION	600 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

- TOP VIEW

DIMENSION AND SURFACE INSPECTION BY A VISION SYSTEM POSITIONED ON TOP OF THE GLASS TABLE. THE SYSTEM IS ILLUMINATED BY MULTIPLE LED SOURCES IN STROBOSCOPIC MODE.

- LASER STATION FOR PLANARITY CONTROL

LASER SYSTEM FOR THE PLANARITY CONTROL OF THE PIECE

- PERIPHERAL VIEW

SURFACE INSPECTION OF THE SIDE VIEWS OF THE PIECE BY A CAMERA AND A CALIBRATED MIRRORS SYSTEM. THE SYSTEM ENABLES A COMPLETE COVERAGE ENSURING A REDUNDANT OVERLAPPING OF THE CONTROL AREAS.

OPTIONS

- MOTORIZED OPTICS (ZOOM, FOCUS, DIAPHRAGM)
- 5 OR 12 MEGAPIXEL CAMERA
- TELECENTRIC RADIAL VIEW STATION
- TELECENTRIC DIMENSIONAL STATION
- SQUEEZER® STATION (MORE DETAILS AVAILABLE IN CATALOG)
- PACKING SYSTEMS
- ANTISTATIC SYSTEM
- METAL DETECTOR
- ADDITIONAL REJECT BINS