

dSort 2

**AUTOMATIC SORTING MACHINE WITH
SINGLE TRANSPARENT GLASS TABLE**

PIECES

ELASTOMERS
RIGID MATERIALS

DIMENSION

VARIOUS RANGE
AVAILABLE FROM 5-80
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

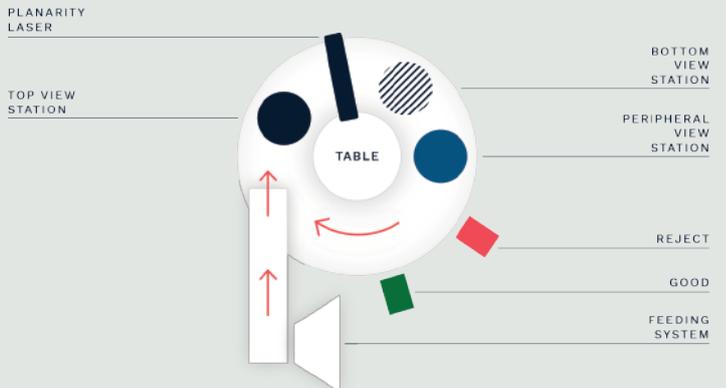
AUTOMATIC SORTING MACHINE WITH SINGLE TRANSPARENT GLASS TABLE.

TRANSPARENT GLASS TABLE ALLOWS THE MACHINE TO INSPECT THE PART ON THE TOP AND BOTTOM SIDES WITHOUT MECHANICALLY TURNING IT.

THE MACHINE HAS 'A SIMPLE AND COMPACT DESIGN' AND IT HAS ALSO A HIGH PERFORMANCE FEEDING SYSTEM.

DSORT2 IS EQUIPPED WITH HIGH-RESOLUTION CAMERAS AS WELL AS A SELF-TUNING SOFTWARE TO AUTOMATICALLY ADJUST THE INSPECTION AND IMAGE PARAMETERS.

LAYOUT



PIECE

TYPE	ELASTOMERS, RIGID MATERIALS
COLOUR	ALL, NON-TRANSPARENT
TYPICAL PIECE	O-RINGS, TECHNICAL PARTS
CHARACTERISTICS	CLEAN, FREE OF DUST OR PARTICLES THAT MAY ALTER THE PART'S PROFILE
SIZE*	VARIOUS RANGE AVAILABLE FROM 5-80 MM OD
CROSS SECTION/HEIGHT	0.8 – 8 MM 0.8 – 20 MM (CUSTOMIZABLE)

VISION

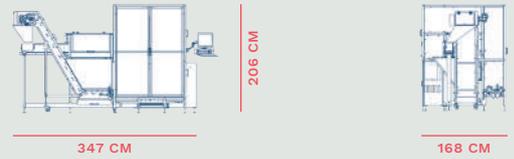
RESOLUTION	DEPENDING ON THE CONFIGURATION
ZOOM	AVAILABLE
CAMERA TYPE	MATRICAL
MAX FRAME FIELD*	90 MM (60 MM FOR THE BOTTOM VIEW)
CAMERA RESOLUTION	5 MEGA PIXEL

PERFORMANCE

CYCLE TIME	MAXIMUM 10 PCS/SEC
TYPE OF FEEDING	AUTOMATIC
TYPE OF MACHINE	SINGLE GLASS TABLE
NOISE LEVEL (FOR ELASTOMERS)	< 75 DB
THREE PHASE POWER SUPPLY	230 – 480 V
MAX INSTALLED POWER	4 KW
AVERAGE CONSUMPTION	1.2 KW
COMPRESSED AIR CONSUMPTION	400 NL/MIN

*CUSTOMIZATION IS POSSIBLE

DIMENSION



CHARACTERISTICS

-  STATISTIC AND REPORT
-  TRACEABILITY OF PRODUCTION LOTS
-  REMOTE MANAGEMENT
-  M.E.S. COMPATIBLE
-  CUSTOMIZABLE FOR SPECIAL PROJECTS
-  SELF-TUNING SOFTWARE FOR O-RINGS

STANDARD CONFIGURATION

- TOP VIEW

DIMENSION AND SURFACE INSPECTION BY A VISION SYSTEM POSITIONED ON TOP OF THE A 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

- BOTTOM VIEW

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

- 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)
- TELECENTRIC RADIAL VIEW STATION
- TELECENTRIC DIMENSIONAL STATION
- SQUEEZER® STATION (MORE DETAILS AVAILABLE IN CATALOG)
- PACKING SYSTEMS
- ANTISTATIC SYSTEM
- METAL DETECTOR
- ADDITIONAL REJECT BINS
- ADDITIONAL GOOD BINS (FOR CLASSIFICATION)