

# dSort 1

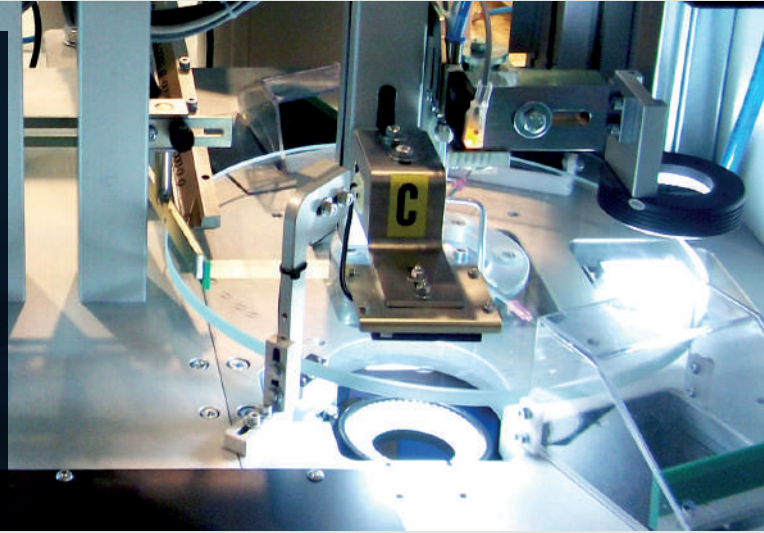
HIGH PRODUCTIVITY COMPACT AUTOMATIC SORTING MACHINE

**PIECES**

O-RING  
TECH. PART

**DIMENSION**

7-25 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.

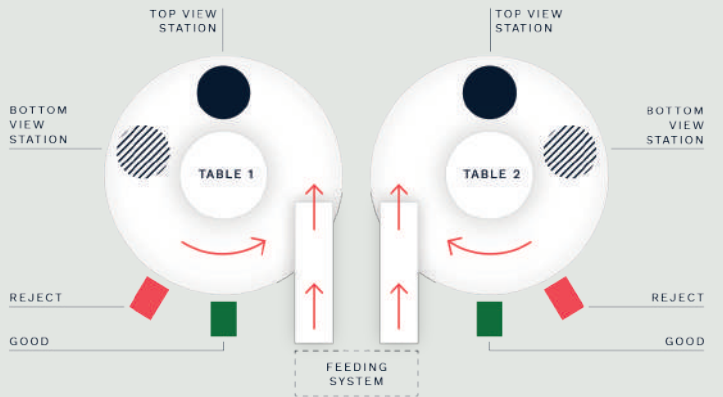
## DESCRIPTION

HIGH PRODUCTIVITY COMPACT AUTOMATIC SORTING MACHINE. PARTS TRAVEL THROUGH THE FEEDING SYSTEM AND GET SEPARATED INTO 2 LINES ONTO 2 TABLES.

THE SYSTEM CONTROLS DIMENSION AND SURFACE OF THE PIECES FROM 2 TABLES SIMULTANEOUSLY RESULTING IN THE DOUBLE PRODUCTIVITY.

REPORTS AND STATISTICS OF ALL PIECES INSPECTED ARE AVAILABLE FOR OPERATOR.

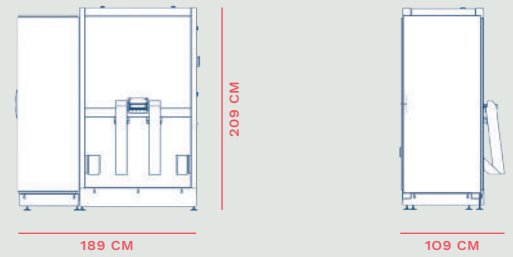
## LAYOUT








PIECE	<b>TYPE</b>	ELASTOMERS, RIGID MATERIALS
	<b>COLOUR</b>	ALL, NON-TRANSPARENT
	<b>TYPICAL PIECE</b>	O-RING, TECH. PART
	<b>CHARACTERISTICS</b>	CLEAN, FREE OF DUST OR PARTICLES THAT MAY ALTER THE PART'S PROFILE
	<b>SIZE*</b>	7-25 MM OD
	<b>CROSS SECTION/HEIGHT</b>	0.8 – 8 MM
VISION	<b>RESOLUTION</b>	0.005 – 0.030 MM/PIXEL
	<b>ZOOM</b>	6X
	<b>CAMERA TYPE</b>	MATRICAL
	<b>MAX FRAME FIELD*</b>	55 MM
	<b>CAMERA RESOLUTION</b>	5 MEGAPIXEL
PERFORMANCE	<b>CYCLE TIME</b>	UP TO 20 PCS/SEC.
	<b>TYPE OF FEEDING</b>	AUTOMATIC
	<b>TYPE OF MACHINE</b>	DOUBLE GLASS TABLE
	<b>NOISE LEVEL (FOR ELASTOMERS)</b>	< 75 DB
	<b>THREE PHASE POWER SUPPLY</b>	230 – 480 V
	<b>MAX INSTALLED POWER</b>	4 KW
	<b>AVERAGE CONSUMPTION</b>	1.7 KW
	<b>COMPRESSED AIR CONSUMPTION</b>	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

## 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.

### - 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.

### - FEEDING SYSTEM

DEPENDING ON THE APPLICATIONS, 'ELEVATOR WITH SINGLE ROLE CONVEYOR' OR 'DEDICATED VIBRATING BOWL' ARE AVAILABLE OPTIONS.

## OPTIONS

- PACKING SYSTEM
- ANTISTATIC SYSTEM
- TELECENTRIC RADIAL VIEW STATION
- TELECENTRIC DIMENSIONAL STATION
- PERIPHERAL VIEW STATION