

# SPRING CHECKING & STACKING

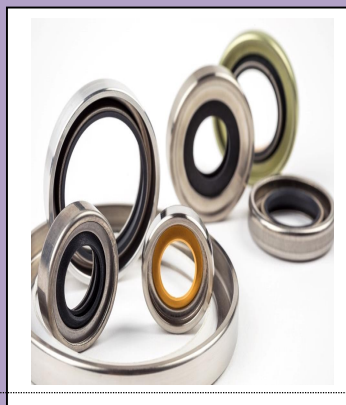
(MACHINE FOR CHECKING PRESENCE OF SPRING IN AN OIL SEAL AND ITS  
AUTOMATIC STACKING )

## PRIORITY SOLUTIONS

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# Technical Specification and Operation

The machine is called **SPRING CHECKING & STACKING M/c** used as a "MACHINE FOR CHECKING THE PRESENCE OF SPRING IN AN OIL SEAL AND AUTOMATIC STACKING OF THE OK SEALS"

## 3.1 Technical Data

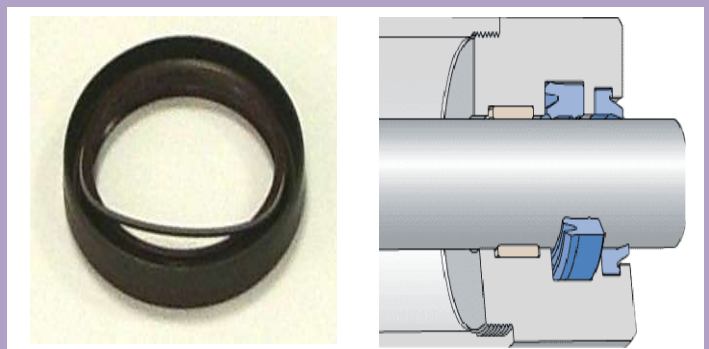
Dimensions of max. overall dimensions (L-B-H):	600 x 750 x 1620 mm (1870 MM )
Supply voltage:	440V approx. / 50 Hz $\pm 5\%$
Current consumption:	0.5 Ampere
Max operating pressure:	6 bar
Type of fluid used:	Lubricated Air
Range of seal diameter :	20 To 200 mm
Control voltage:	24V DC $\pm 10\%$
Working pressure range	4 TO 6BAR
Test Method:	PCB & Proximity Sensor

## 3.2 Advantages of Machine

1. Cost saving as it detects rejection inline.
2. Highly accurate.
3. Consistant with High Repeatiability.
4. Low cycle time.
5. Comes with Poke-Yoke arrangement.
6. Ensures safety and avoids health hazards.
7. Environment friendly.
8. Individual alarm displaying arrangement.
9. PLC controlled system monitors complete working cycle.
10. Arrangement to collect NG parts.
11. Fitted with highly accurate safety sensors.
12. Two hand operation, safety switches for door, safety relays, safety screws, LOTO switch and EMG equipments selectable as per safety standard requirements.
13. Inspection lamp & Fan can be provided with the machine.
14. Wide range of size from 20 mm to 200mm dia.

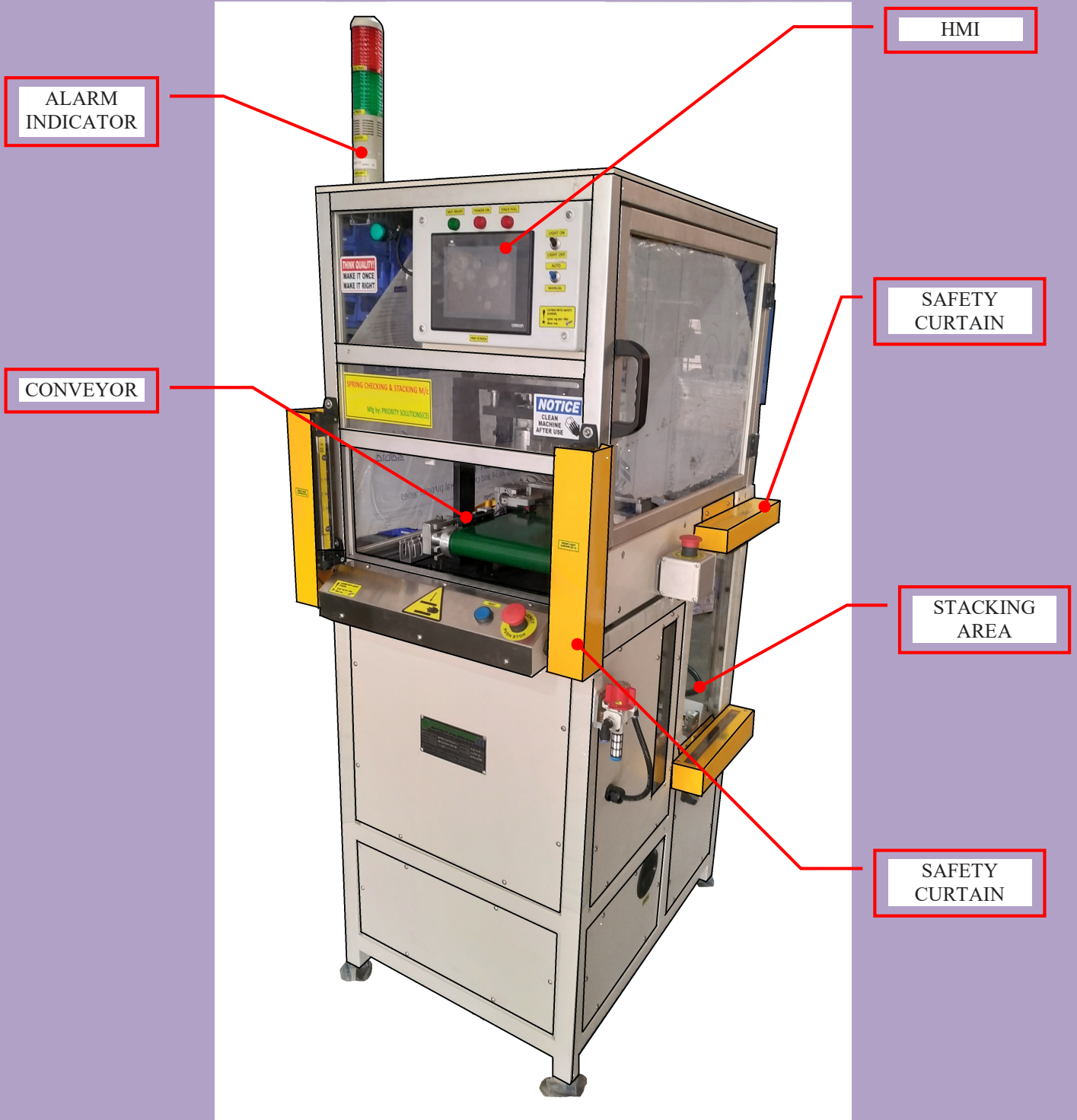
## Purpose of Machine

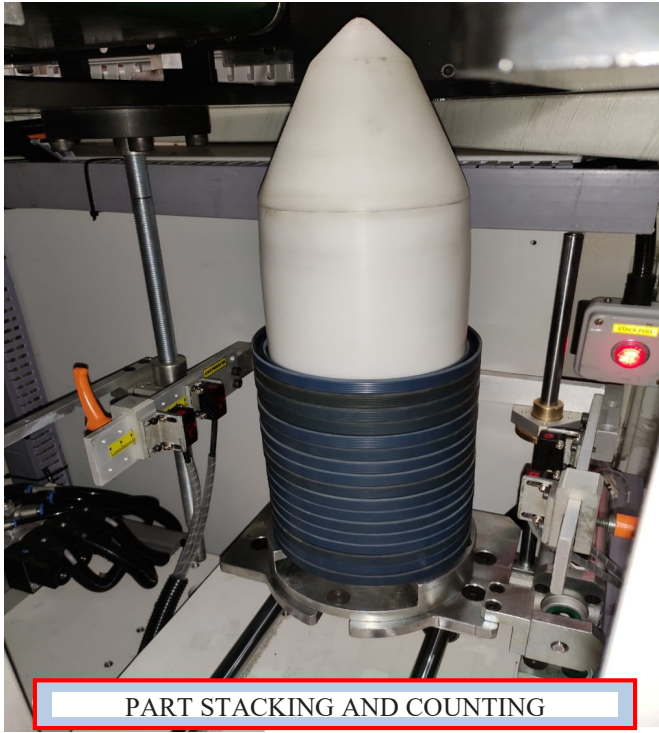
The machine is an manual loading manual unloading machine, designed and built to check the presence and correct positioning of the spring in the oil seal and to stack the oil seals for packing. The incorrect positioning that the machine is able to detect is the case in which the spring is undermined from its seat, particularly dangerous for the functionality of the product because the spring can easily come out of the seal. (see photo 4).



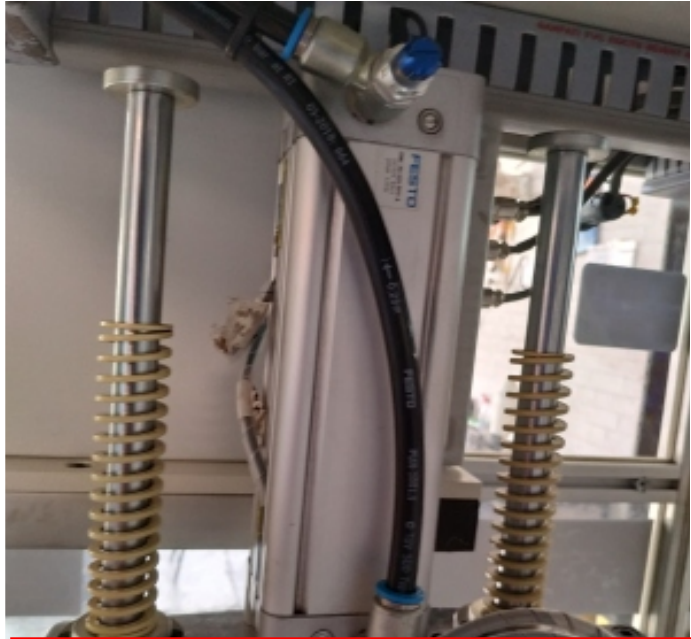
# Composition of Machine

The photograph illustrates the general assembly of the machine.





PART STACKING AND COUNTING



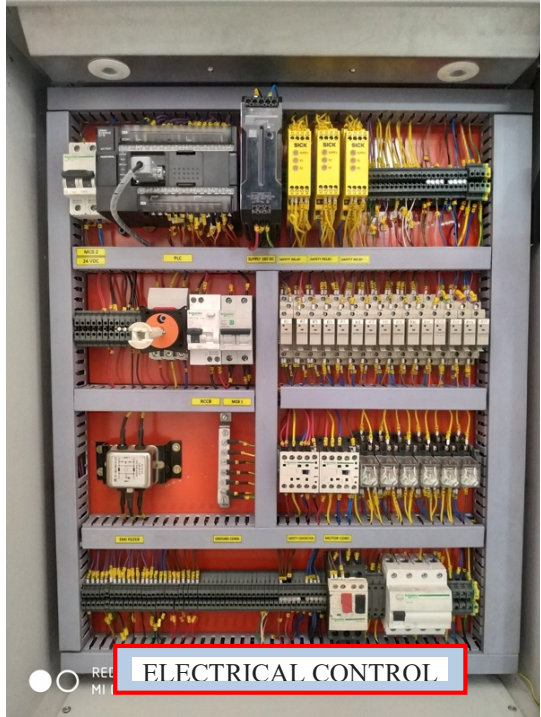
SAFETY SPRINGS TO AVOID ACCIDENT IN CASE OF CYLINDER SHAFT BREAKAGE



TWO HAND SWITCH AND EMERGENCY



PNEUMATIC PANEL



ELECTRICAL CONTROL

NO MORE REJECTIONS

