

Pneumatic machine maintenance Control press

DESCRIPTION

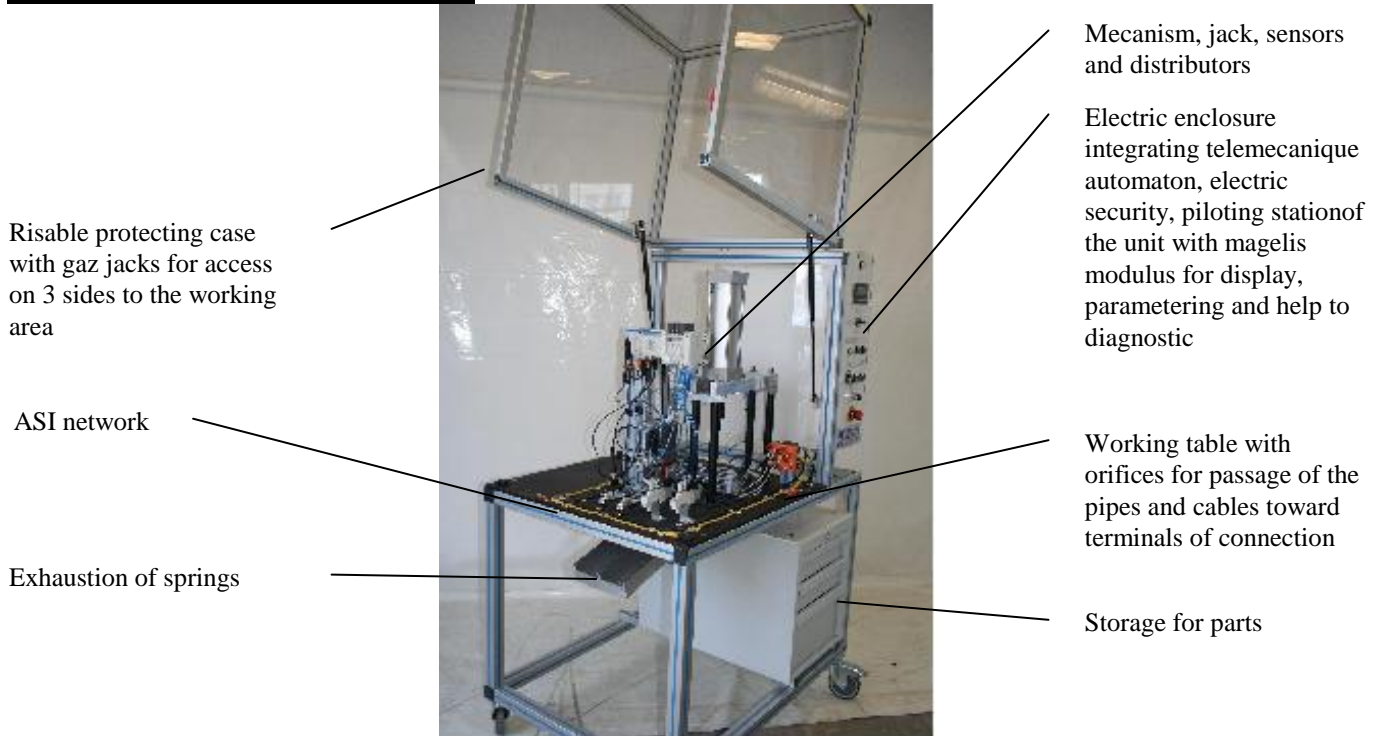
- The control press is an automated pneumatic industrial application that is particularly adapted to the industrial maintenance training.
- The running is founded on the control of the springs straightness
- It was made for diagnostic activities, replacement of faulty parts, technique improvement of the machine...
- Structure suits with all the suggested activities.
- The unit is delivered complete with technical and didactic documentation, software and links for PC.
- Design, manufacturing and material are industrial.
- System with automaton and piloting interface.



DIDACTIC APPLICATIONS

- Diagnostic of sensors, distributors and actuators
- Replacement / repair of faulty elements
- Improvement of the machine technology
- Physic integration of new functions
- Modification of the programme
- Etc.

Technique description:



Diversity of the material :

- ⇒ **Actuators** : rotative, jacks with or without gear, diameter until 80mm, courses until 200mm...
- ⇒ **Distributors**: 5/2 and 3/2 on ASI bus
- ⇒ **Sensors** ILS, PNP magnetic, opto-electric on ASI bus
- ⇒ **Securities**: magnetic contact on case, electric and pneumatic cutters , safety electrovalve...

Activities of maintenance:

Important : all the suggested activities of maintenance are associated to a real problematic that needs their operating (modification of the operating material, configuration of the system of system's functions for e.g.)

Improvement of the process:

- ⇒ insertion of an automated supplying function of the parts
- ⇒ modification of the supplying system by independent piloting of 2 jacks
- ⇒ integration of an exhausting function of the parts detected as faulty (distributor, sensor and jack)
- ⇒ changing of the transferring system from circular to linear that allows the improvement of the unit
- ⇒ changing and addressing of an ASI modulus further to a system evolution (see before)

Repairing:

- ⇒ **blocked jack**
- ⇒ **blocked jack**, replaced by a similar geometry jack but without integrating magnetic detection: it needs the mechanic integration of another type of sensors for insure an equivalent running
- ⇒ **sensor**
- ⇒ **replacement of ASI cable**
- ⇒ **distributor**

Utility : electricity 230V/50Hz singlephased / compressed air : 5/10 bars

Dimensions : (L*I*h en mm) : 1100*840*1710 (height case up = 2650mm)

weight : 200kg