# **SCM100**



### MALTESE CROSS MECHANISM



Experimental capabilities

- Study of geometric and speed relationships of the motion
- sequence study mechanism (rotation/blocking)

# **SCM100**



### **Operating principle**

The SCM100 bench allows the study of geometric and speed relationships of the mechanism and of the sequence of movement (rotation / blockage).

Aluminium profile mulch frame on feet

Anodized aluminium structure

Entry tree supporting 2 discs

Outgoing tree supporting 2 discs

including a grooved (malt cross) rotational crank

The robust design of this equipment makes it perfectly suited for use in a school setting. The manufacture of this equipment meets the European machine directive

## Illustrations 10 Q 3 DIE 6 8, 3 2

### Services required

- Dimensions: (LxWxH mm): 500 x 300 x 300
- weight (Kg): 15

Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine

### **Technical details**

- 1. Entry tree rotated by crank
- 2. Primary training tray diameter 130mm (corrosion treated)
- 3. Secondary tray of the entry shaft (treated against corrosion) used to immobilise/ release the rotation of the entry shaft according to the position of the malt cross. The entry shaft is therefore immobilized when the cam is in a position preventing it from being seeded by the Pebble Rep 4- The entry shaft is therefore free in rotation when the cam is in a position allowing it to be seeded by the Pebble Rep 4
- 4. Graining pebble of the malt cross (-1)
- 5. Exit tree (anticorrosion treaty)
- 6. Malt cross at 6 grooves at 60 degrees (treated against corrosion)
- 7. Secondary exit tree tray. This tray supports the 6 pebbles rep 8 used to immobilize the entry shaft when the cam cannot be seeded by the pebble 4
- 8. Pebbles of the entry shaft (\*6)
- 9. Ball rolls providing the guidance of the 2 trees (\*4)
- 10. Aluminium frames on 4 feet to place the module on a table

#### **Documentation**

- User's manual
- Pedagogical manual
- Technical documentation of the components
- Lab exercises
- Certificate of conformity CE

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