

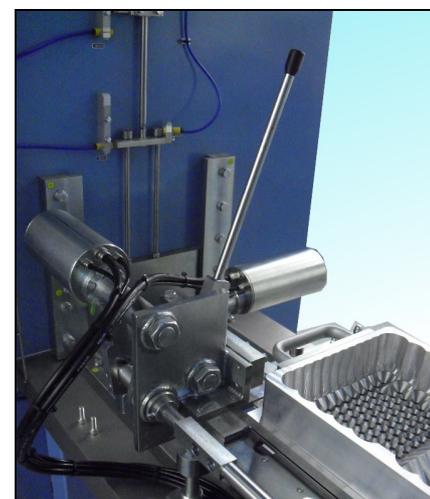
## Description

An automatic device which is designed to press, to dose and to measure explosive mixtures into the delay elements of detonators. Having the composition been dosed on the layer of lead azide, the dosed quantity will be pressed in and measured. The delay elements where the quantity has been incorrectly dosed, will be marked by illumination with laser markers after they leave the cell. These pieces will be manually removed by the operator and they will be processed in a prescribed way. Good pieces will be passed for further processing.

As regards the layout, the device is divided into a dosing workplace, a pressing workplace and a measuring workplace which are located in a cell and the next workplace is a service workplace which is located before the cell behind a protective metal sheath. All parts are separated one from another by metal sheaths with sliding doors.

### Equipment and options:

- The device is fixed in a cell in order to minimize the risk connected to a possible explosion.
- The device is divided into segments separated one from another by metal armours.
- The press is flameproof and is designed to manufacture flammable and explosive products.
- The device operates with 34 sizes of delay elements.
- The device uses a 3D profile scanning camera to measure the height of the fill in individual detonators, non-compliant pieces are marked by the device via illumination at the output.
- The device checks automatically the following:
  - air pressure value
  - placement of the plastic container with material
  - presence of the discharge funnel
  - correct height of the cart
  - oil temperature in the hydraulic unit
  - correct composition of the dosing spoon before pressing in
  - torque of the servo-drive



### Basic technical data:

Length:	3800 mm
Width:	1850 mm
Height:	2100 mm
Weight of the dosing equipment:	1300 kg
Weight of the press:	800 kg
Weight of the aggregate:	250 kg