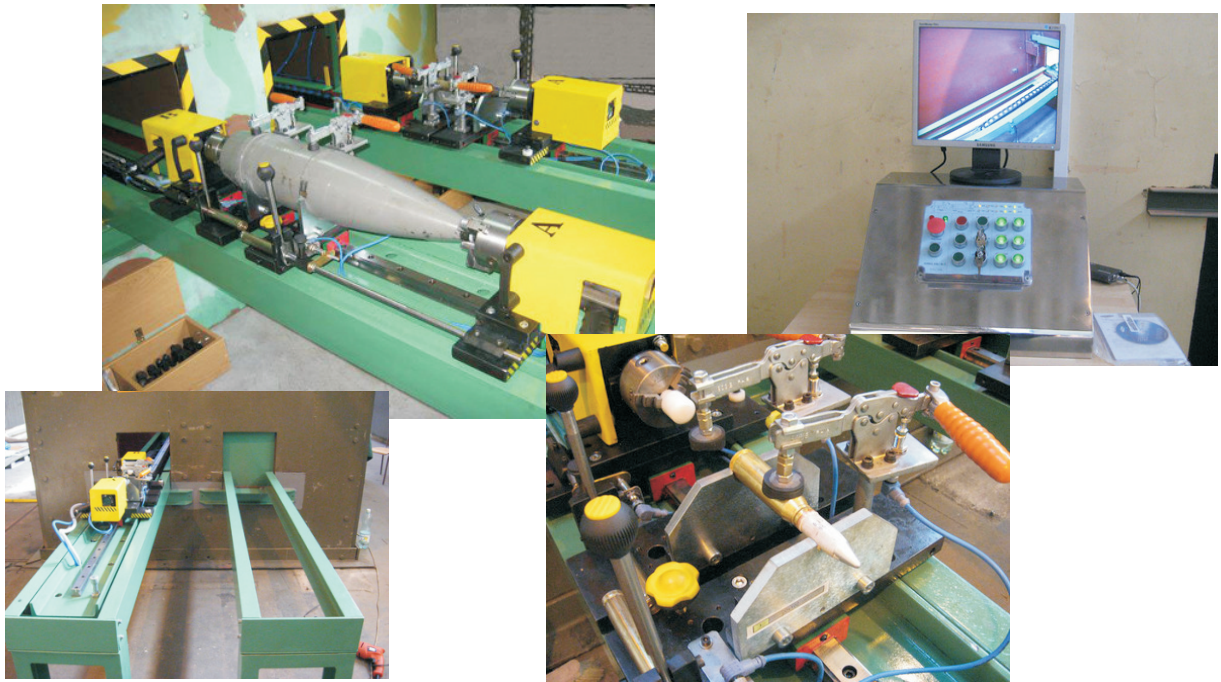


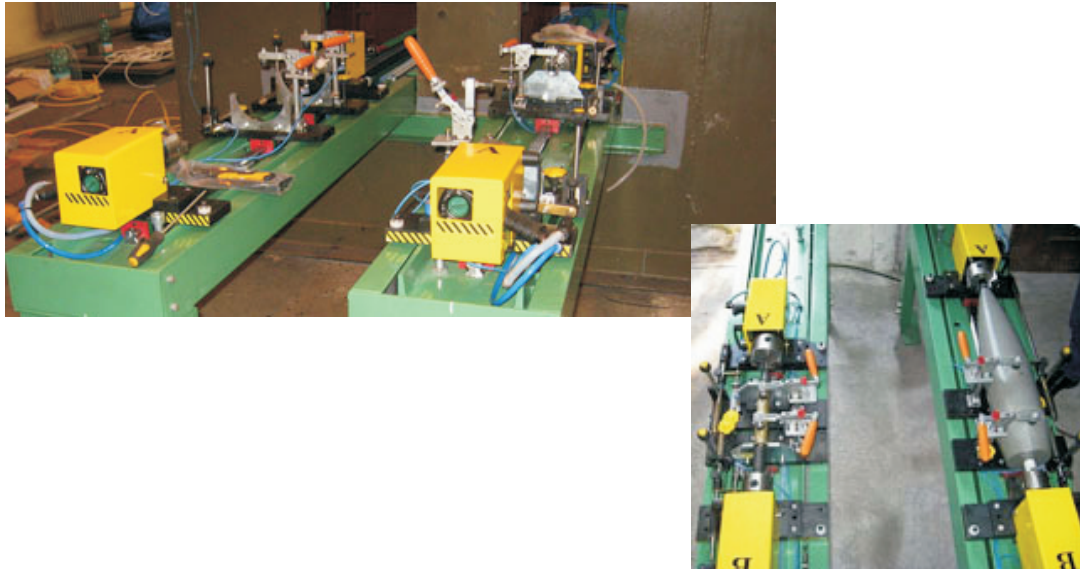
MARS Mobile Installation for Disassembly and Reassembly of the Ammunition



Application

MARS installation is designed for disassembly and reassembly of the ammunition (calibers: 20 mm - 155 mm). Type of the ammunition from which the initiators may be removed is always agreed with the user. Universality of the device allows for applying the process to removing fuses and primers from different types of the ammunition after minor changes in instrumentation.

MARS Mobile Installation for Disassembly and Reassembly of the Ammunition



Description

MARS installation consists of two separate devices allowing the disassembly of two types of the ammunition at the same time. Every device contains two heads unscrewing the fuze and the primer. The heads may be easily replaced for another type of the ammunition.

The process starts in outer compartment where the ammunition is fixed with the mechanical grip handles on beds, placed on a trolley. Then heads are installed on the initiators. Beds are adjusted to the size and shape of ammunition for disassembly. Afterwards the trolley with the ammunition is moved to the internal compartment situated in armoured container separated with pneumatically driven reinforced shield. After the shield is closed initiators are removed. Wrenches of unscrewing units are pneumatically driven with regulated speed and force. The process is steered automatically.

For complete control and monitoring cameras are installed in armoured compartments and the image is transmitted to the monitors at next room. The operators control the process and are able stop it any time.

After the process is completed, the heads with primers and fuses are moved back to the outer compartment where the operators take the initiators out of the wrenches and put into the prepared containers. The clamps are released and the ammunition is taken away to the marked area.

Installation capacity: 30 - 80 pcs/h (depending on the type of the ammunition).