

## Dynamic balancing machine for rotors

### DESCRIPTION:

The equipment is from a new generation of specialized machine tools, which involves to work with computer and qualified staff.

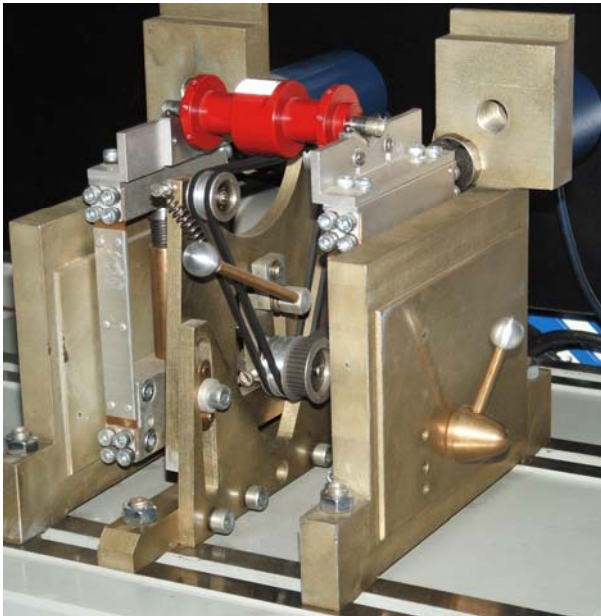
Manufacture and exploitation of the equipment has not harmful effect on environment. Balancing equipment is made from:

#### 1. Mechanical system

- support frame, rigid caught in socle;
- bearing, on which is placed the balancing rotor;
- angle transducer - 1 piece
- vibration transducer - 2 pieces of inductive type.

#### 2. Electric and electronic system includes:

- driving engine system;
- electronic system to take up the signal from the transducers assembled on mechanical system and to process and display the data.



### TECHNICAL CHARACTERISTICS:

- Balancing in two planes;
- Balancing degree - G 16 according to ISO 1940;
- Weight of balancing piece - maximum 100 kg;
- Balancing speed - 1500/3000 rpm;

### Computer has the following functions:

Calculates the transfer functions and unbalancing of the tested rotor;  
Accumulates the transfer functions in order to its reusing;  
Making out measurement bulletins, which contain residual unbalancing;  
Assures the interface with user;  
Commands the action of driving motor by microcontroller.

### ECONOMICAL ADVANTAGES:

Increasing the reliability of mechanical sub-assemblies, reducing the noises and vibrations.

### USERS:

Machine builder companies