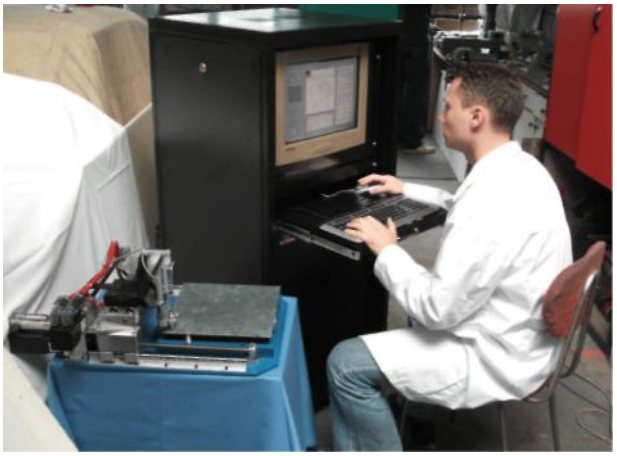
Computerized system of measuring, testing and control

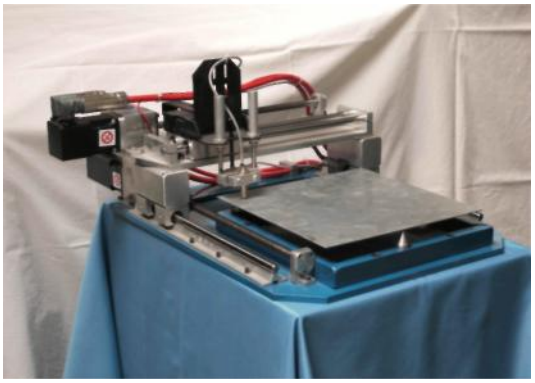
DESCRIPTION:

The equipment is from a new generation of specialized control systems which implies the work with computer and qualified staff.



Equipment consists of:

1. Mechanical system:
• Aluminum bed frame;
• Longitudinal slide: transmission boit - nut;
• Transverse slide: transmission boit - nut;
• Fixing system proximity transducer;
2. Electric and electronic system contains:
• Driving system of mechanic assembly - servomotors with permanent magnets;
• Electronic system of taking-over of signal from proximity transducer mounted on mechanic system and of processing and displaying of data.



TECHNICAL CHARACTERISTICS:

- Perception distance: 0.1-3 mm;
- resolution: 0.5 *[im;*
- Output signal: 20-4 mA;
- Stroke of longitudinal slide: 275 mm;
- Stroke of transversal slide: 275 mm;
- Stroke of vertical slide: 20 mm;
- Maximum speed - 4000 rpm;

Computer has the following functions:

• Commands the moving of proximity transducer;
• Calculates and displays graphics and numeric the measured deformations;
• After the programming of servo-adjuster was experimented BIAS actions:
  - of moving;
  - of parametric;
  - of control;
  - of signaling;
  - of mathematic operations.

ECONOMIC ADVANTAGES:

Increasing the precision at cutting the metal sheets and operating this process without pollutant factors which can affect the environment.

USERS

Industrial companies of machine building.