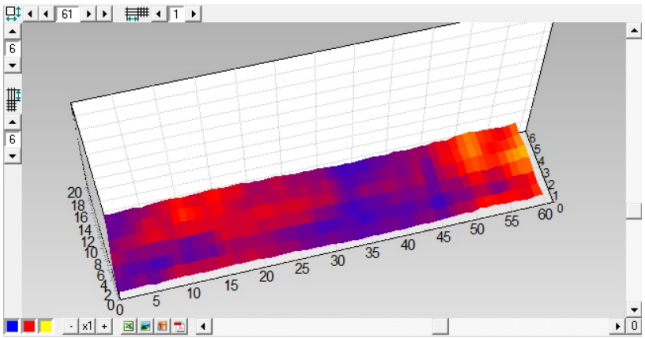
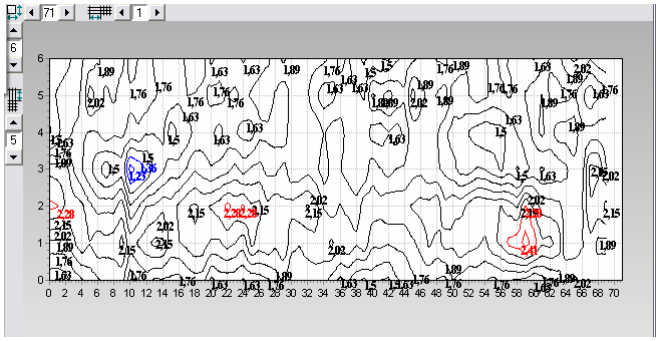
IN-02 PORTABLE METAL STRESS SCANNER

to perform high-speed continuous stressed state inspection





Application:

Complete metal stress inspection of long and heavy steel parts and structures (cargo and lifting facilities, steel vessels, main and auxiliary pipelines, railways, etc.)

Remaining life estimation for steel parts and engineering structures in normal work and maintenance according to API 579-1 / ASME FFS-1 assessment standard.

Key features:

- Highest performance and sensitivity;
- Metal strain measurements in full range elastic and plastic deformations;
- Direct comparison of actual stress measured with yield limit in order to estimate the remaining life according to API 579-1 / ASME FFS-1 assessment standard;
- Saving measurements in Excel format, or sending to RS-232 / RS-485 network;
- Wireless measurement unit / stationery / robotic / multichannel design available;
- Possibility of making the special sensor holders for complex shapes of objects inspected: gearwheels, valves, shafts, bearings, chassis parts, pipes, etc.

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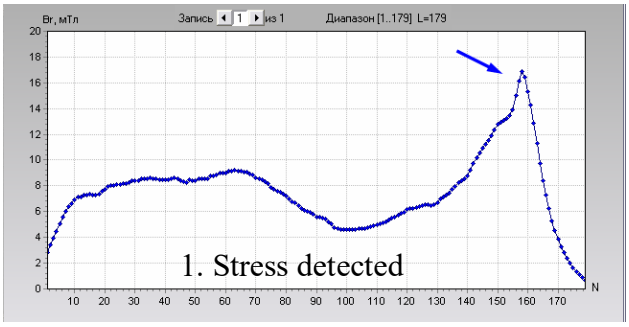
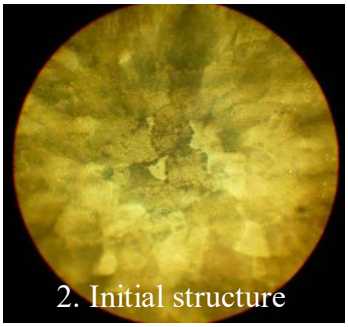
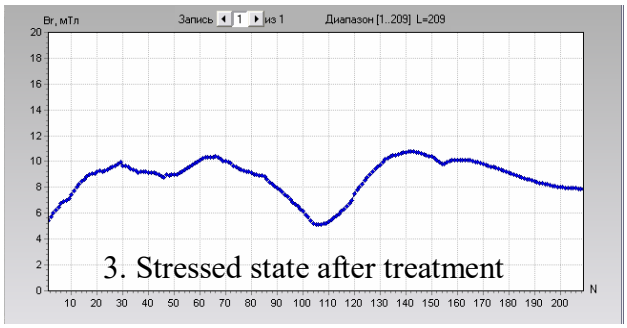
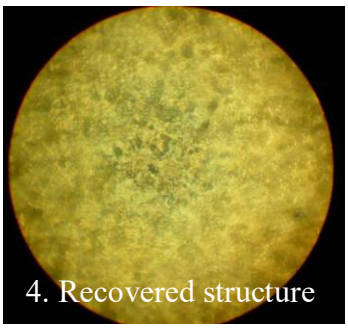
IN-02 stress scanner application examples

Drilling pipes inspection and recovery

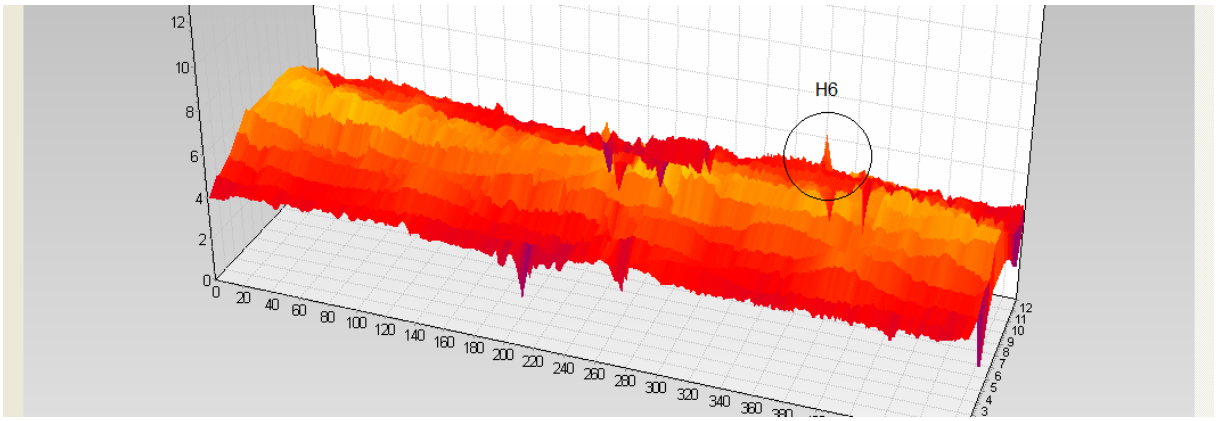


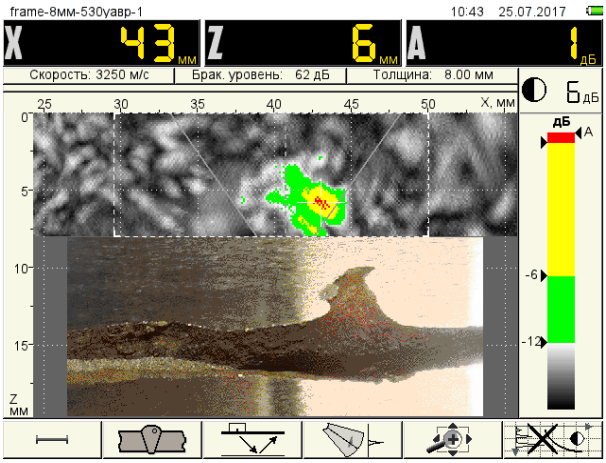






Early defect appearance detection in the pipeline welds





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