

Magnetizing system for non-destructive magnetic control

Valeriu Georgescu*, Danut Iordachescu*,
Emil Constantin*

*Dunărea de Jos University of Galați

ABSTRACT

The paper is especially addressed to the specialists and firms interested in magnetic control of clean-limbed parts (pipes, rods etc). Classical longitudinal magnetizing systems are first briefly presented: rigid coils systems, flexible cables systems and tongs-coils systems. A new longitudinal magnetizing system is proposed. The main advantages of this system are small dimensions, very low values of the magnetizing current (a little pocket-portable power supply is requested), a two-part construction variant. These advantages allow a friendly use in hard conditions, including difficult positions and different kind of sites. Theoretical elements, several devices and practical experiments are briefly presented. This new longitudinal magnetizing system can be also used in other activities.

REFERENCES

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