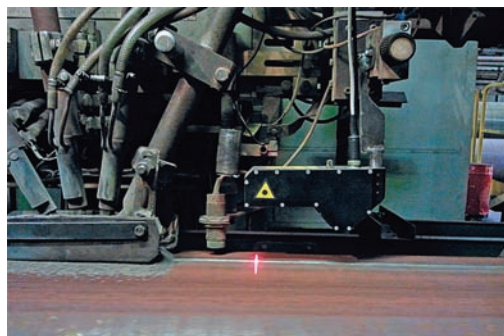


MACHINE VISION SYSTEMS

FOR PROCESSES AUTOMATION

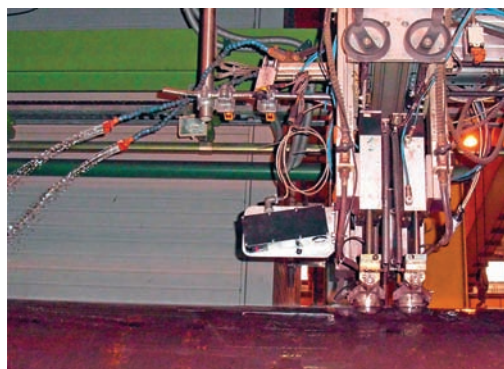
Automatic joint tracking laser system for welding mills of pipe longitudinal welds ROVICOR STS-200-NS

The system is designed for automatic tracking of a joint center with groove preparation without filling or with partial filling after technological pass in arc welding or submerged arc welding.



Laser weld tracking system for automatic ultrasonic testing of welded pipes ROVICOR SF-100

The system is designed for automatic tracking of a center of weld reinforcing bead during automatic ultrasonic testing of longitudinal pipe welds.



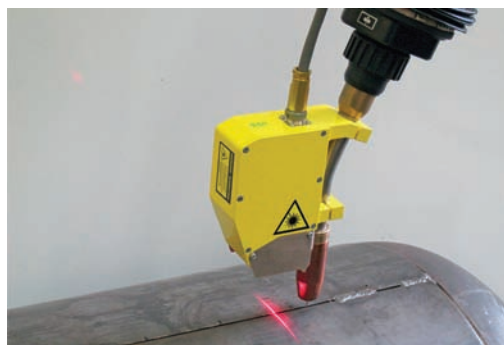
System for automatic detection of weld reinforcing bead and control of polymer dispenser in deposition of corrosion-resistant coating on welded pipe surface ROVICOR SFS – P08

The system is designed for detection of a center of weld reinforcing bead in pipe rotation and formation of signals for control of polymer dosage for providing uniform thickness of polymer coating on finished pipe (increase of dosage during polymer application on weld).



Laser joint tracking sensor for robotic arc welding ROVICOR STS-200-R

The laser sensor is designed for automatic balancing of the errors of workpiece assembly for welding by means of contact-free tracking of joint center in process of robotic arc welding.



Developed by the E.O. Paton Electric Welding Institute of the NAS of Ukraine. E-mail: office@paton.kiev.ua

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