SOLUTIONS FOR METAL AND STEEL PRODUCTION LINES

HOT ROLLING MILL
- Recording and monitoring identification number of hot/cold slabs
- Crop shear optimizing of hot prestrip
- 3D-camber measurement of hot strip
- Telescopicity measurement of hot strip rolls

COLD ROLLING MILL AND PROCESSING LINES
- Strip width measurement and guidance
- Strip sag measurement in annealing furnace
- Strip and plate profile and flatness measurement
- Plate thickness measurement

VISI 3D
3D PROFILE MEASUREMENT SYSTEMS

- Profile
- Thickness
- Shape
- Flatness
- 3D-Camber

BENEFITS
- Accurate and high speed strip guidance
- Optimized cuttings on strip processing lines
- Most effective process supervision
- Minimized use of raw materials
- Less maintenance needed
- More productivity, even 1-2%
VISION SYSTEMS

YOUR PARTNER IN SMART TECHNOLOGY

SOLUTIONS FOR METAL AND STEEL PRODUCTION LINES

VISILINE
STRIP GUIDING AND WIDTH MEASUREMENT SYSTEM
- Center and edge guiding
- Hot and cold strips
- Guiding in furnaces
- High accuracy, even +/- 0.25 mm
- High speed control, < 10 ms
- More productivity, even 1-2%

VISI MCR
INTELLIGENT OPTICAL CHARACTER RECOGNITION (OCR)
- Based on intelligent neural networks and algorithms
- Machine learning method. VISI MCR system is taught to recognize the characters
- VISI MCR system is embedded in VISI smart camera
- Freely programmable to customer specific applications
- Integrated LED light or external light sources

VISI VL
VELOCITY AND LENGTH MEASUREMENT SYSTEM
- Non contact optical measurement
- High speed line scan
- Powerful led lighting
- Excellent sensitivity with true zero measurement capability
- Measurement principle: pixel convolution
- Measurement range from -3000 to +3000 m/minute
- For stagnant, back and forward moving objects

VISILINE
STRIP GUIDING AND WIDTH MEASUREMENT SYSTEM

VISIMCR
INTELLIGENT OPTICAL CHARACTER RECOGNITION (OCR)

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VISI VL
VELOCITY AND LENGTH MEASUREMENT SYSTEM

www.visionsystems.fi
VISION SYSTEMS OY

Vision systems is a company specialized in optoelectronics and machine vision. The company operates globally, with an installed base of more than 2,800 machine vision systems and optoelectronics solutions worldwide.

Our customers are operating mainly in the pulp and paper industry, metal and steel industry, engineering industries, tyre industry and food industry. Among the new industries traffic, health, safety and security are the most promising ones.

The most important products are sensors and quality control systems based on smart cameras.

We are an experienced partner of industrial companies and trusted supplier of integrated solutions.

We are constantly developing our operations to meet the various needs of our customers and leverage our expertise to improve their productivity and competitiveness. Our success is based on the best products in the industry, working logistics and expertise staff.

The company has operated for more than 30 years. Vision Systems is one the leading players of the field in Finland.