VISION SYSTEMS

VISI 3D

MEASUREMENT SYSTEMS

3D-profile
Thickness
Shape
Flatness
3D-Camber

3D-dimensions
Bulk
Surface quality
Grain size
Roundness

VISI 3D

VISION SYSTEMS

wwwVISIONSYSTEMS.fi
VISI 3D MEASUREMENT SYSTEMS

PROFILE MEASUREMENT OF STRIPS, PLATES AND OTHER MATERIALS

VISI 3D is a profile measurement system for strips, plates and parts in metal, steel, tire and other industries.

Demand for high surface quality contour of strip and plate products is making quality control of production processes more and more important. Thus the surface profile is needed to be measured enabling accurate online control and optimization of the process. VISI 3D product family offers complete solutions for profile measuring in most of the production lines.

QUALITY IMPROVEMENT AND PROCESS CONTROL

VISI 3D enables the quality measurement of different materials and automated process control based on the measurement information.

VISI 3D offers a product family with various solutions for different customer needs.

- Optimized cuttings on strip processing lines
- Most effective process supervision
- Minimized use of raw materials
- Less maintenance needed
- More productivity, even 1-2%
Most of the prefabricated components of a tire are manufactured in strip processes. The final quality of a tire is built up from the quality of those components.

VISI 3D Profiler is an excellent solution for monitoring the quality of different shapes of strips at processing lines. The user interface displays for the operators the trends and alarms occurred during the processing. The system provides quality statistics and databases for process supervisors.

VISI 3D Width Gauge is a simple and reliable solution for 3D width measurement needs for steel mills. Measurements can be done single or double sided.

VISI 3D Thickness Gauge has been successfully applied successfully to measure the thickness of a plate before the machine. System stops the plates with wrong thickness preventing major mechanical damages and losses in production hours. Damages has been prevented and investment paid back in a very short time.

VISI 3D Profiler is an excellent solution for monitoring the quality of different shapes of strips at processing lines. The system provides quality statistics and databases for process supervisors.

VISI 3D Profiler can be used for measuring critical dimensions of different type of constantly moving objects. Such objects can be for example band saws in the tissue roll cutting process.
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 expertised staff.

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