

# The Shapeline Product Line

## Shape from hot rolling to end user

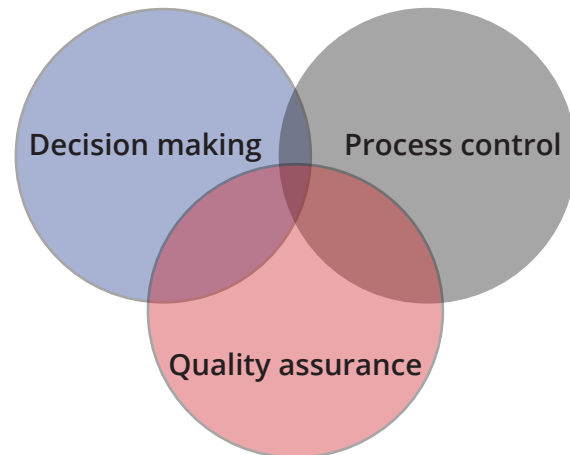
Shapeline is 100 % focused on optical flatness measurement for the steel and metal industries. Our Veri-sensors will help you to keep your product flatness under control from the rougher all the way to the final user. Our five types of solutions are tailored for flatness measurement in the different phases of the flat metal production, starting in the demanding hot rolling mill, via different types of plate and strip process lines to finishing, service centers and toll processors.

### There are three main usages of our gauges:

- **Support decision making** - Fix bad material but not material in spec
- **Process control** - Such as mill control, leveler adjustments and tuning of quenching

- **Quality assurance** - Be sure no bad material enters or leaves the factory

Very often, a single system can be used for several tasks.



## The Product Line

All of our systems are based on laser line triangulation, a robust measurement principle which returns 3D-data with high precision. We have developed hardware and software specifically for flatness measurement based on this technology for 20 years. Our systems deliver high precision measurement data 24 hours a day, 365 days a year.

All systems are based on the same software platform, SS3 as well as ShapeCAT, our new state-of-the-art hardware platform. Our product line consists of:

- **VeriShape** – A compact gauge that measures flatness, width, crop and ski during hot rolling. The gauge can be installed, calibrated and maintained without line stops and provides precise, high-resolution data even at high temperatures.
- **VeriFlex** – A “standard, engineered” product, tailored to your needs. Together we define system performance and configuration and then we build and deliver a solution that fits your requirements exactly. Extensively used for heavy plates and demanding strip applications.
- **VeriFlat** – Our most cost-effective solution for material up to 2 m width. A standard sensor, yet powerful for most applications in strip process and cut-to-length lines. Pre-calibrated and extremely easy to install.
- **VeriPrecise** – Tailored for precision strips, especially H&T-lines where measurement accuracy is crucial. The gauge returns flatness with micrometer precision.
- **VeriCompact** – The smallest sensor in the family. Used when the strips are narrow (less than 200 mm) and the requirements are high.

Application	Shapeline Product
Hot Rolling	VeriShape
Plate Process Line	VeriFlex
Strip Process Line	VeriFlex/VeriFlat
Precision Strip Q/T	VeriPrecise/VeriCompact
Steel Service Centers	VeriFlat

**Flatness measurement through the whole value stream!**

**Contact us for more information, demonstrations and discussions.**

