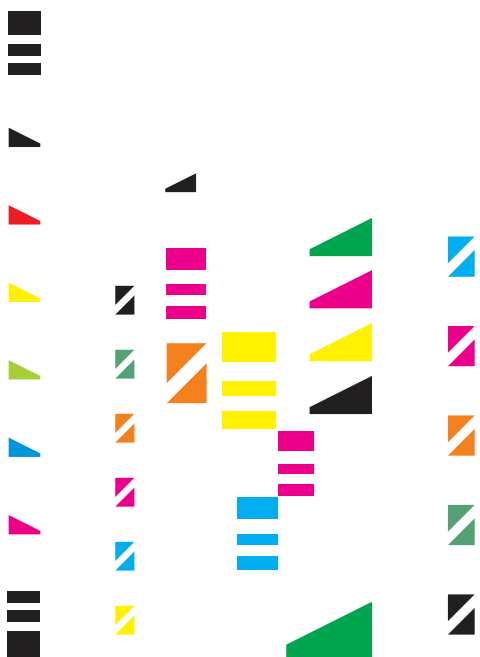


Perfect register controller for
Perfectly aligned print



Fibre optic sensor based sensing and register control for

- Rotogravure printing
- In-line flexo

Alygn**AXIS**—*“Designed for highest print quality, higher productivity, and minimised waste ”*

Since the consumers’ demand for high quality print is increasing, printing and converting industries face increased material waste due to register errors. This will not only be expensive for them, but also a threat to lose market share and brand reputation. These challenges have made it necessary for printers and converters to explore technologies that will reduce waste and enhance print quality.

AxisValence’s AlygnAXIS** print register control system** guarantees precise registration during print run, thereby reducing material rejection and assuring final output quality.

The system is robust due to best quality electronics, and ensures 100% accuracy along with reliability. Packed with novel features, the user-interface (UI) is easy to operate. These attributes has resulted in more than 500 register control systems in multiple continents including Europe, Asia-Pacific, Middle east, Latin America and Africa.

Benefits

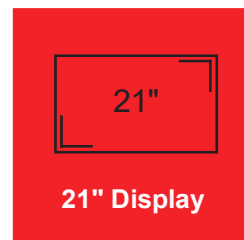
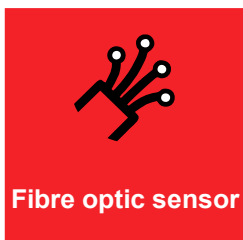
- Precise print quality
- Reduced material waste and rejections
- Increased productivity and maximum operational flexibility
- Quick set-up time and easy to operate
- Reduced turnaround time
- Low maintenance
- Enhanced customer satisfaction and brand value



Process work flow



Key system components



Major features

- Absolute encoder preset to reduce start up waste
- Online chart recording that shows real time register behaviour
- Versatile and adaptable to specific job needs
- Adaptive control behaviour during dynamic press conditions like splicing and ramp-up
- Save and recall all settings of printed jobs
- ATEX certified sensor
- Real time industry 4.0 compliant software
- User friendly GUI
- Online operation support

Technical specifications

Hardware	High performance PLC and I/Os with touch screen
Software	Multi-lingual user interface
Measurement	Single and double channel configurations
Measurement accuracy	+/- 0.001 mm
Low contrast mark detection	White light LED in combination with automatic amplification ensures detection of low contrast marks on various printing materials Suitable for use with various register marks like triangles, double triangles, and register marks
Quick job set-up	Automatic register mark search and code mark search

AxisValence has extensive experience and expertise in various applications across industries, which we leverage to provide a suitable solution for your application.