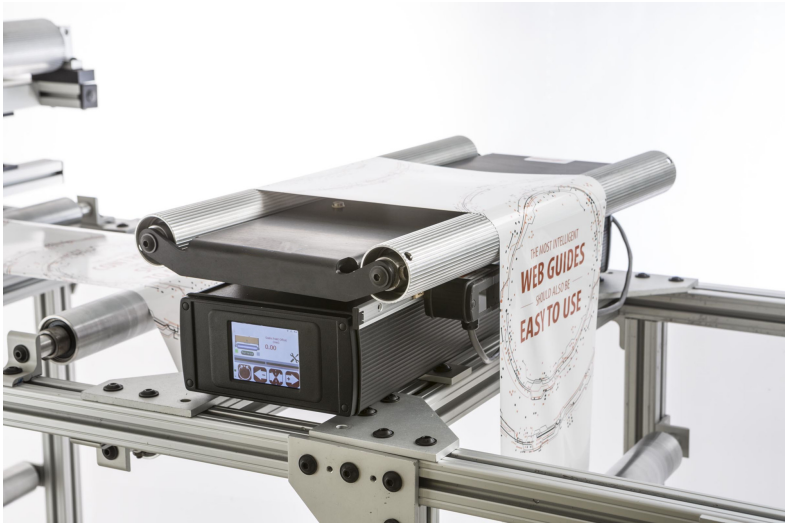
PRODUCT BROCHURE

Compact Web Guiding Systems



Most Intelligent **WEB GUIDES** should be **EASY TO USE**!

Key Features

- **Complete integrated system** – sensor, controller, actuator, and frame included
- **Compact footprint** – minimal space requirements for narrow web applications
- **Zero recalibration sensors** – material-agnostic detection works on any substrate
- **Touchscreen interface** – icon-based operation requires no specialized training
- **Plug-and-play installation** – reduces commissioning time from days to hours

Benefits

- **Stop losing floor space** to oversized web guide systems
- **Eliminate commissioning delays** – plug-and-play systems are operational in hours, not days
- **End sensor recalibration time** – material-agnostic sensing works on any substrate
- **Remove operator training costs** – intuitive touchscreen requires no specialized skills
- **Prevent integration headaches** – complete system from one vendor with matched components

Specifications

System Includes	Sensor (ODC/1DC) + Controller (SCU5/SCU6x) + Actuator (LHS) + Frame + Cables		
Sensor Technology	Fiber-optic (diffuse-reflective)	**Controller**	SCU5 or SCU6x
Repeatability	±0.127 mm (±0.005 in)	**Resolution**	0.0635 mm (0.0025 in)
Actuator Type	Linear Hybrid Stepper (LHS)	**Motor**	Brushless bi-polar stepper
Protection Class	IP54	**Operating Temp**	-10°C to 65°C

Applications

- Narrow web converting lines
- Label and tag manufacturing
- Flexible packaging
- Printing and coating applications
- Space-constrained installations

Compatibility

SUPPORTED LINE SPEEDS

1000+ fpm

SUPPORTED MATERIAL TYPES

Porous/Perforated, Mesh/Screen

SUPPORTED WEB WIDTHS

Wide (48"-72"), Medium (12"-48")

Supporting Documentation

Manuals (13)

- ARIS Compact Web Guiding System Product Manual (V2.2)
- ARIS SCU5 EtherNet/IP Configuration Manual
- Compact Web Guiding System Product Manual (V2.4)
- Installation of Displacement Guide
- Master/Slave Web Guiding System Installation
- Motor Driver MC QD 1140/1141/1161/1180/1181/1211/1230/1231/1240/1260
- SCU5 M: Web Guide Controller Product and User Manual (V2.6)
- SCU5: Sensor and Web Guide Controller User Manual v3.3
- SCU5: Sensor and Web Guide Controller User Manual v3.4
- Standard Operating Procedure (SOP): Center Guiding Application (v2.x)
- Standard Operating Procedure (SOP): Edge Guiding Application (v2.x)
- Standard Operating Procedure (SOP): Line Guiding Application
- Web Guide Installation Checklist

2D Drawings (8)

- Dimensional drawing of Compact Web Guiding System
- LHS-005-0125-LP: 2D Drawing (dxf)
- LHS-005-0400-LP: 2D Drawing (dxf)
- LHS-005-0xxx-LP: 2D Drawing (pdf)
- Motor Controller - MC QD 1140/1141/1240/1241: 2D Drawing
- Motor Controller - MC QD 1140/1141/1240/1241: 2D Drawing (DXF)
- SCU5 Controller: 2D Drawing (DXF)
- SCU5 Controller: 2D Drawing (pdf)

Wiring Diagrams (1)

- SCU5 MD Wiring with ODC Family, MC QD 1140/1141/1240 with Web Guide

Scan for datasheets, 3D models & full documentation
https://r2r.tech/products/web-guides/compact-web-guiding-systems

Ready to Get Started?

Contact our experts to discuss how this product fits your application.

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