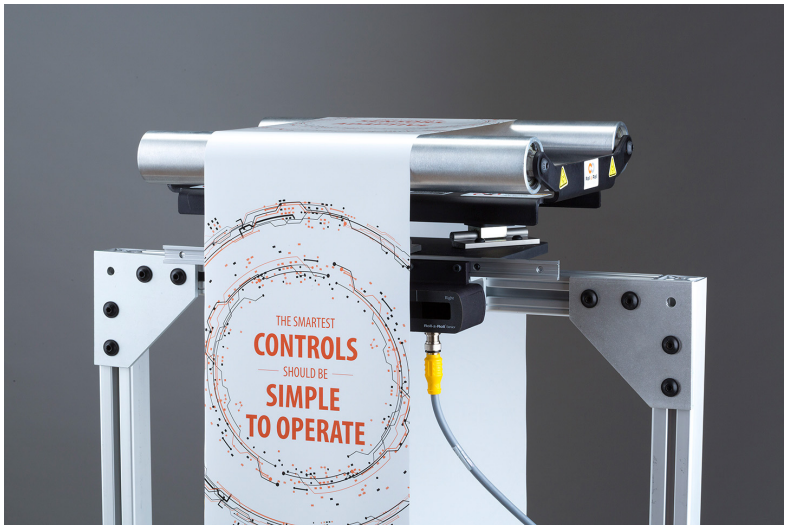
PRODUCT BROCHURE

Low Profile Web Guides



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

Key Features

- **Minimal height profile** – fits in tight vertical spaces
- **Complete integrated system** – sensor, controller, actuator, and frame included
- **Zero recalibration sensors** – material-agnostic detection works on any substrate
- **High-speed response** – fast actuator response for demanding applications
- **Easy maintenance access** – components accessible without major disassembly

Benefits

- **Stop redesigning machine layouts** for bulky web guide systems
- **Eliminate vertical space constraints** – low profile design fits where others cannot
- **End sensor recalibration time** – material-agnostic sensing works on any substrate
- **Remove maintenance delays** – easy access design reduces service time
- **Prevent production compromises** – high-speed response handles demanding materials

Specifications

System Includes	Sensor (ODC/1DC) + Controller (SCU5/SCU6x) + Actuator (LHS-LP) + Frame + Cables		
Profile	Low profile design	**Actuator**	LHS-LP (Low Profile)
Sensor Technology	Fiber-optic (diffuse-reflective)	**Controller**	SCU5 or SCU6x
Repeatability	±0.127 mm (±0.005 in)	**Resolution**	0.0635 mm (0.0025 in)
Motor Type	Brushless bi-polar stepper	**Protection Class**	IP54

Applications

- Retrofit applications with limited vertical space
- Converting lines with tight machine layouts
- Printing presses
- Laminating and coating lines

Compatibility

SUPPORTED LINE SPEEDS

500-1000 fpm

SUPPORTED MATERIAL TYPES

Mesh/Screen, Opaque Material

SUPPORTED WEB WIDTHS

Wide (48"-72"), Narrow (<12")

Supporting Documentation

Manuals (11)

- ARIS SCU5 EtherNet/IP Configuration Manual
- Installation of Displacement Guide
- Low Profile Web Guide Product Manual (V2.4)
- 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): Edge Guiding Application (v2.x)
- Standard Operating Procedure (SOP): Line Guiding Application
- Web Guide Installation Checklist

2D Drawings (9)

- Dimensional drawing of Low Profile Web Guide - U Pattern
- Dimensional drawing of Low Profile Web Guide - Z Pattern
- 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 (2)

- SCU5 MD Wiring with MC QD 1141/1140/1240 + Web Guide Actuator
- 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/low-profile-web-guides

Ready to Get Started?

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

Phone: +1 (888) 290-3215 | **Email:** experts@r2r.tech | **Web:** r2r.tech