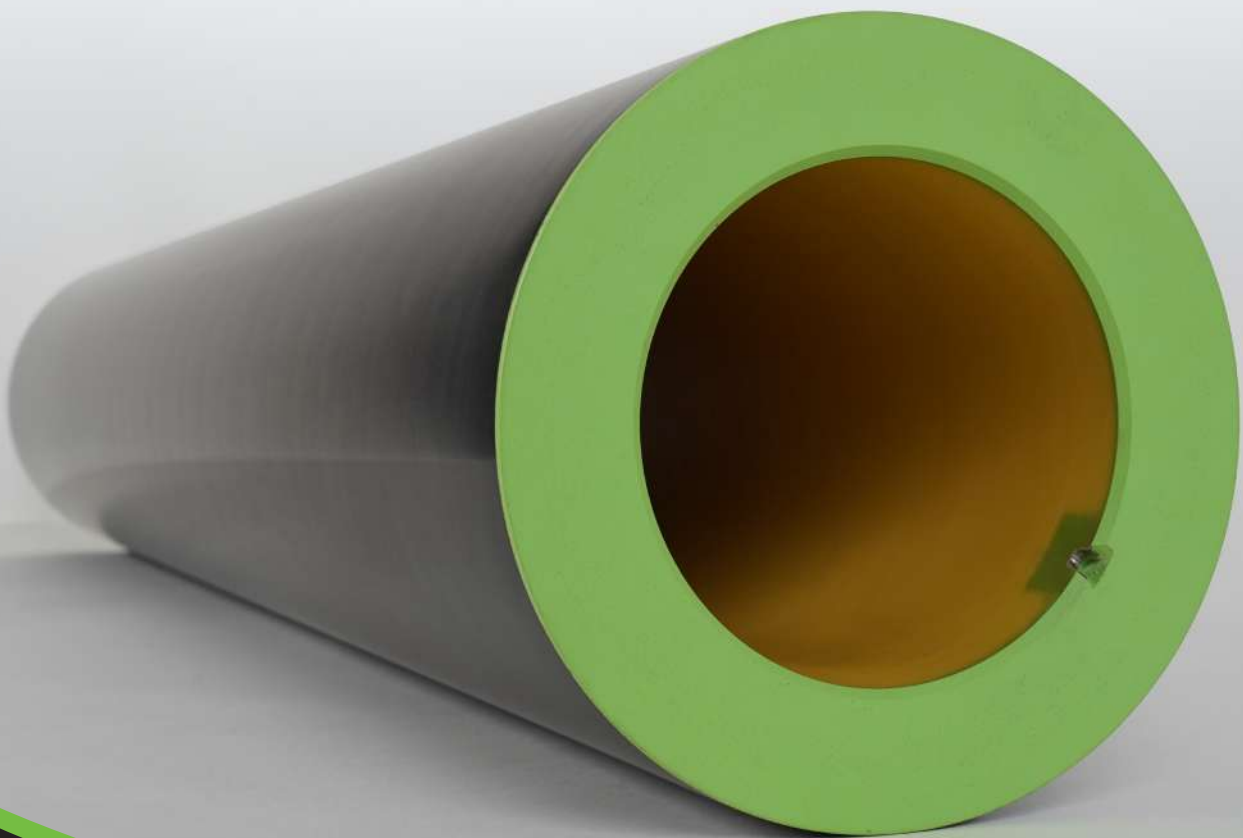




PRODUCT PORTFOLIO

FLEXO SLEEVES AND ADAPTERS



SLEEVES FOR EVERY JOB

TABLE OF CONTENTS

03 PRINTING SLEEVES

Tech Standard Sleeve
Tech Pro Sleeve

05 SLEEVE FEATURES

Metal Reinforced Notch
Colored Rubber Ends

07 ADAPTERS

Mounting Adapter - Tech Bridge
Press Adapter - Tech Carbon & Tech Carbon +

09 TECHNICAL SPECIFICATIONS

Sleeves
Mounting Adapters
Press Adapters

10 SUPPORTING EQUIPMENT

Sleeve Storage
Sleeve Inspection
Demounter

WORLDWIDE FLEXO SLEEVE SOLUTIONS

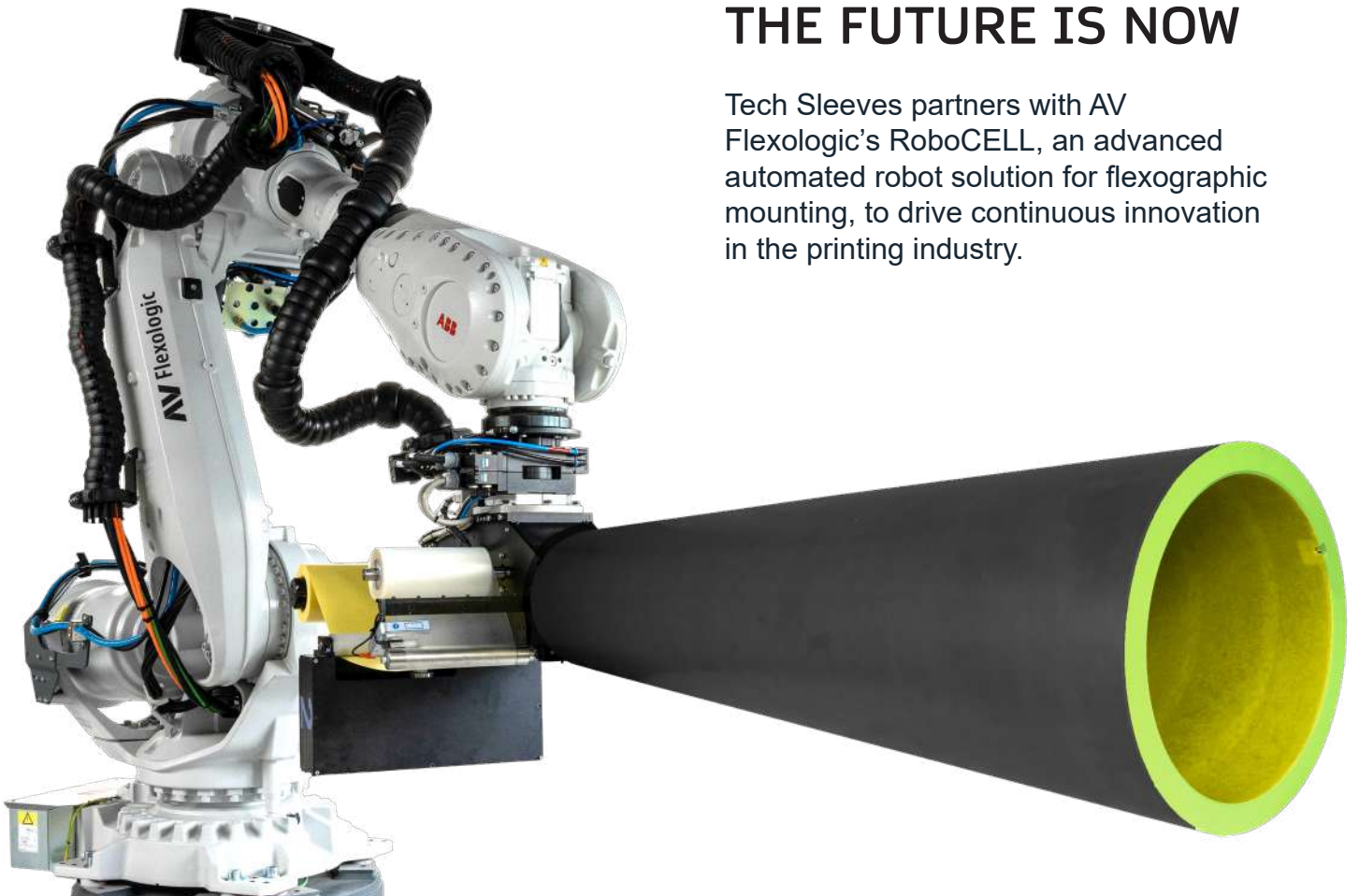
Tech Sleeves is a company within the Color Control Group, a collective of flexo-focused companies, alongside its sister company, AV Flexologic. Powered by a global network of sales and support, Tech Sleeves brings premium solutions to the flexo market. Our commitment to excellence drives rapid growth and ensures that customers worldwide receive unmatched quality and service.

Our product portfolio is designed to meet the diverse needs of the flexographic printing industry. From advanced plate sleeves that ensure superior print quality to durable bridge adapters that enhance press stability, every solution we offer is built with precision and performance in mind. Complementing our core offerings are a range of support tools that streamline operations and maximize efficiency, making us a trusted printing partner worldwide.

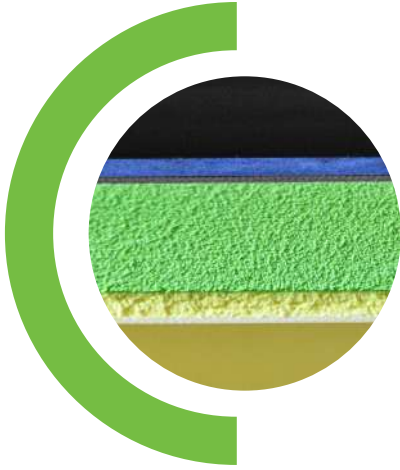
At our core, Tech Sleeves is about more than just products, we are about partnerships. Trusted by industry leaders worldwide, we don't just supply solutions, we engineer success. Our headquarters in the Netherlands is a hub of continuous innovation, where we listen, learn, and lead. Because at Tech Sleeves, we believe that when technology and expertise align, there are no limits to what your printing can achieve.

THE FUTURE IS NOW

Tech Sleeves partners with AV Flexologic's RoboCELL, an advanced automated robot solution for flexographic mounting, to drive continuous innovation in the printing industry.



PRINTING SLEEVES



TECH STANDARD

The gold standard in efficiency

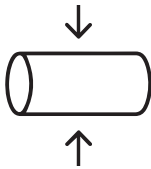
This sleeve is the perfect balance of performance and cost-efficiency.

It offers:

- A lightweight build-up formula for easy handling
- Internal glass fiber layer for stability
- A 5mm Tech Guard outer layer for enhanced durability

Ideal For:

All standard printing applications. The most efficient printing sleeve to get the job done.



Relative Stiffness:

Standard



Handling:

Lightweight



Primary Focus:

Efficiency & Value



- 01 Glass fiber base sleeve
- 02 Compressible layer
- 03 High performance foam layer
- 04 Glass fiber reinforcement layer
- 05 Tech Guard final layer



TECH SLEEVES

THE FUTURE IS NOW

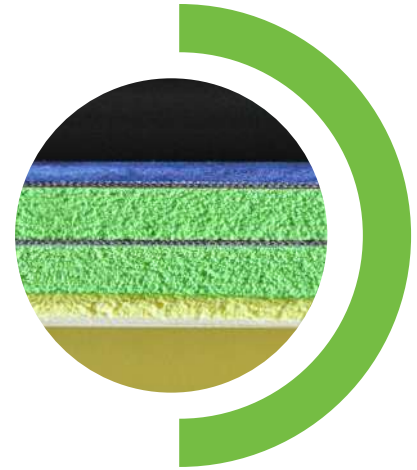
TECH PRO

Designed for high-speed & complex jobs

Engineered for demanding printing environments.

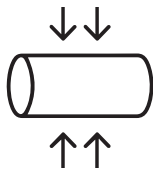
It offers:

- Exceptional durability & stiffness for print performance
- Conductive properties for enhanced safety
- Bounce mitigation for consistent quality at high speeds
- 2 or 3 internal glass fiber layers for increased stability
- A 5mmTech Guard outer layer for robust protection and enhanced durability



Ideal For:

High-speed printing, complex jobs, and maximizing output on new presses.



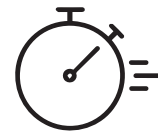
Relative Stiffness:

Enhanced



Handling:

Balanced Performance & Weight



Primary Focus:

Speed, Performance & Vibration Damping

- 01** Glass fiber base sleeve
- 02** Compressible layer
- 03** High performance foam layer
- 04** Glass fiber reinforcement layer (I)
- 05** High performance foam layer
- 06** Glass fiber reinforcement layer (II)
- 07** Tech Guard final layer



SLEEVES FEATURES

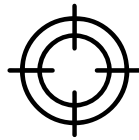
METAL REINFORCED NOTCH LOCKED IN FOR PRECISION

The metal reinforced notch uses stainless steel embedded in a rigid composite structure with rubber ends. This design ensures stable plate positioning, protects against mechanical wear, and extends sleeve lifespan. Compatible with various press setups, these notches offer a dependable, cost-effective upgrade for flexographic printing.



Extended Lifespan

A rigid metal notch prevents damage to press positioning pins, eliminating the risk of burrs, breakage, or collateral wear.



Perfect Registration

The metal reinforcement prevents sleeve movement under high pressure and speed, ensuring precise registration.



Protected Pin

Rubber ends act as shock absorbers, preventing direct metal-to-metal contact between the notch and the positioning pin.





RUBBER ENDS

PROTECTION & IDENTIFICATION

At Tech Sleeves, we know that efficiency and durability are key to optimizing your flexo printing operations. That's why we developed color-coded rubber ends, a solution that benefits operators at every stage, from pre-press visual recognition to unwind/rewind verification. Our rubber ends are not only visually distinctive but also offer unmatched durability and chemical resistance, ensuring long-lasting performance.



Open-End Option

- Available without rubber ends
- Ideal for presses that don't require end protection
- Flexible configuration to match specific production needs

Durable Rubber-Ends

- 100% chemical and moisture resistant rubber ends
- Fully integrated into the sleeve for strong mechanical connection
- Zero edge decay, fewer replacements, and significant long-term cost savings

Sealed for Protection

- Complete seal for robust protection against chemicals, ink, and moisture
- Prevents damage during operation and storage
- Ensures consistent, long-term sleeve performance

Visual Recognition for Efficiency

- Seven RAL color options for easy sleeves identification
- Reduces setup errors during winding, rewinding, and pre-press
- Streamlines job changes and minimizes downtime

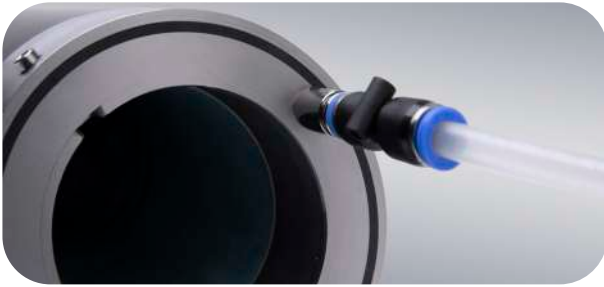
ADAPTERS

MOUNTING ADAPTERS

TECH BRIDGE

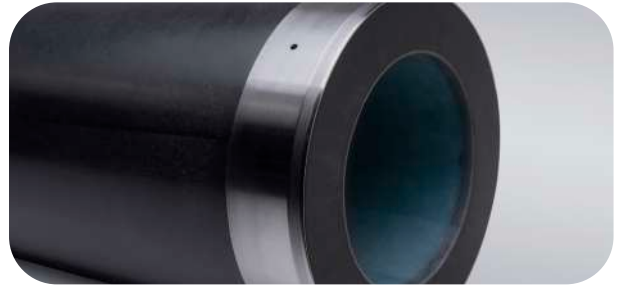
The Tech Bridge is a premium adapter built for durability in demanding print environments. Made from the same strong materials as the Tech Sleeve, it's available in Separate Air and Air-Through versions, with dual metal end rings for added protection.

BRIDGE VERSIONS



Separate-Air

- Uses an independent air source
- Allows sleeves/bridges to be loaded separately for enhanced control



Air-Through

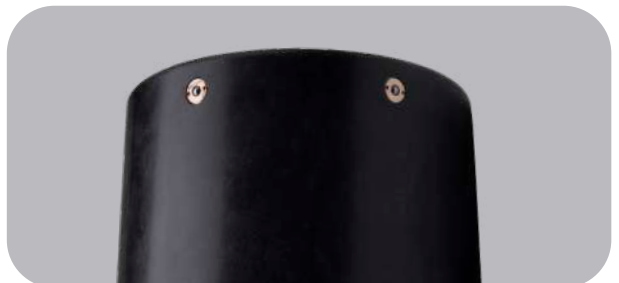
- Directs air through the adapter's vents
- Ideal for thin wall adapters requiring precise airflow.

BRIDGE OPTIONS



Spacer

- Supports sleeves of different widths on one bridge
- Registration pin for accurate operator-side alignment



Miller Valves

- Control adapter airflow by covering air holes
- Direct air where needed for precise mounting



PRESS ADAPTERS

TECH CARBON & TECH CARBON+

Tech Carbon+ is engineered for high-speed flexo printing with a high-modulus carbon fiber core. Its low deflection minimizes press bounce, ensuring optimal print stability and registration accuracy. Rigorously tested, it integrates seamlessly with Tech Sleeves for precise, repeatable results.



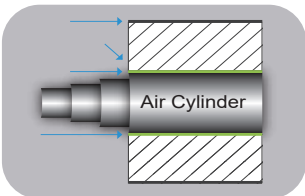
Precision Winding

- Application-specific laminate structure, optimized for every diameter and length combination
- Precision filament winding with premium carbon fiber and resin
- Maximum stiffness, durability, and performance



Custom Universal Seal

- Zero air loss between the adapter and mandrel
- Blocks dirt and ink spray for cleaner, safer mounting
- Prevents spray contamination from ink and debris



Tech Carbon+ Build-Up

- Lighter, stiffer, and more durable than conventional adapters
- Reduces bounce, deflection, and vibration at high speeds
- Improves handling, lifespan, and overall press efficiency



Spare Notch

- Optional secondary steel notch for quick replacement
- Added reliability in demanding environments
- Safety air relief holes to prevent pressure build-up

ADVANTAGES

- 01** Completely airtight seal for consistent air pressure
- 02** Advanced carbon fiber and laminate design for unmatched stiffness
- 03** Ensures precise registration with a registration pin for quick, effortless changeability
- 04** Minimizes contact between the mandrel and adapter reduce the risk of damage
- 05** Lightest adapters in the industry for effortless handling and faster job changes

TECHNICAL SPECIFICATIONS

SLEEVES AND ADAPTERS

At Tech Sleeves, we engineer every product to exact technical specifications, ensuring optimal performance, durability, and compatibility in demanding print environments. Our commitment to precision guarantees consistent quality, longer equipment life, and reliable results for our customers.

	Specifications
Tolerance	Guaranteed to have a tolerance on diameter of +/- 0.020 mm / < 0.001 in.
Precision-grinding	TIR < 0.020 mm/ 0.001 in, measured on a carrier/cylinder with a TIR ≤ 0.005 mm/ 0.0002 in.
Outer Surface	Tech Guard outer layer, smooth with a polished finish.
Repeat Length	240 – 1500 mm / 9.449 – 59.055 in
Register Line	Standard 1x zero axial line included. Additional axial and/or radial lines on request.
Register Slot	Option to custom order with single or multiple register slots on one or both sides of sleeve.
Mounting	On air cylinders/carriers with minimum air-pressure of 6 bar and an air-flow of 12 liters/second.
Wall Thickness	0.9 – 195 mm (thicker upon request) / 0.035 – 7.677 in
Sleeve Length	Maximum length of 1800 mm / 70.87 inches.
Temperature	A maximum operating temperature of 80 degrees Celsius (176 degrees Fahrenheit)
Chemical Resistance	Resistant against all solvents used in the flexographic industry for plate cleaning.
Cleaning Advice	Clean with ethyl alcohol mixed with maximum 15% ethyl acetate.
Label	The dimensional specifications are shown on the label inside the Tech Sleeves.

SUPPORTING EQUIPMENT

ELEVATE YOUR PRINTING CAPABILITIES

View our available supporting equipment and contact our sales team for more information or to submit an interest request.



Sleeve Storage System

Efficient space utilization and organization

- Customized to fit your sleeve storage area
- Vertical housing to prevent sleeve swelling and damage
- Secure and protect sleeves with special pins and durable protective mats



Sleeve Quality Inspection System

Identify compromised sleeve quality

- Identifies sleeve damage & prevents press downtime
- Automated sleeve measurement for quality control
- Features a cantilever direct drive chromed air mandrel



Tech Cart

Pushing productivity forward

- Quickly & easily transport multiple sleeves at one time
- Effortless maneuverability with 360° wheels and cart handle
- Convenient loading and unloading operations Customizable to your sleeve quantity and dimensions



Demounter

Keep flexo plates printing longer

- Equally distributes force across the plate surface
- Prevents plate distortions and damage from plate removal
- Effectively extends the life of plates
- Quick return on investment

TECH SLEEVES GLOBAL

SALES, SUPPORT & SERVICE



GLOBAL SALES & SUPPORT

Tech Sleeves has a global team of experienced sales and support professionals available in all working hours worldwide.



LARGE AGENT NETWORK

With more than 50 agents worldwide, Tech Sleeves ensures local sales and support in your native language.



EXCEPTIONAL KNOWLEDGE

With over 30 years of experience in the flexo industry, Tech Sleeves has extensive knowledge in providing flexo solutions.



TECH SLEEVES

THE FUTURE IS NOW

✉ info@tech-sleeves.com

☎ +31 17 25 03 611

🌐 www.tech-sleeves.com

H. Kamerlingh Onnesweg,

2408AW Alphen a/d Rijn,

The Netherlands