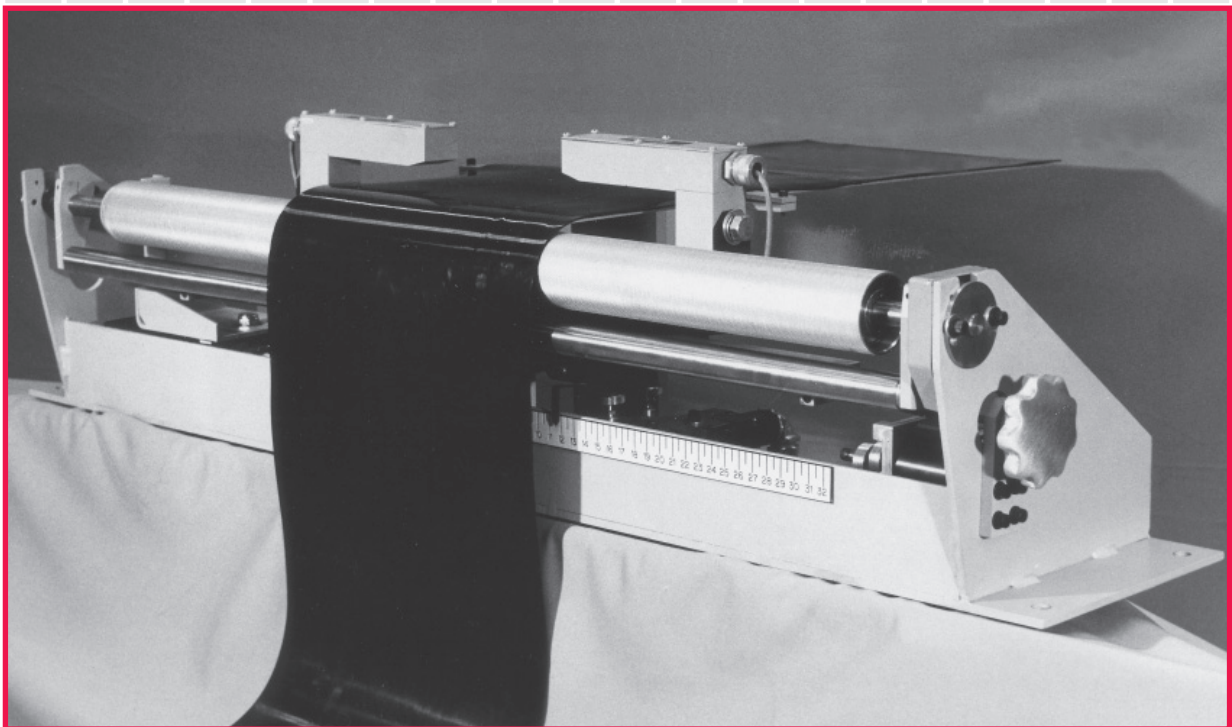


SimPlex™ Tire Servicer

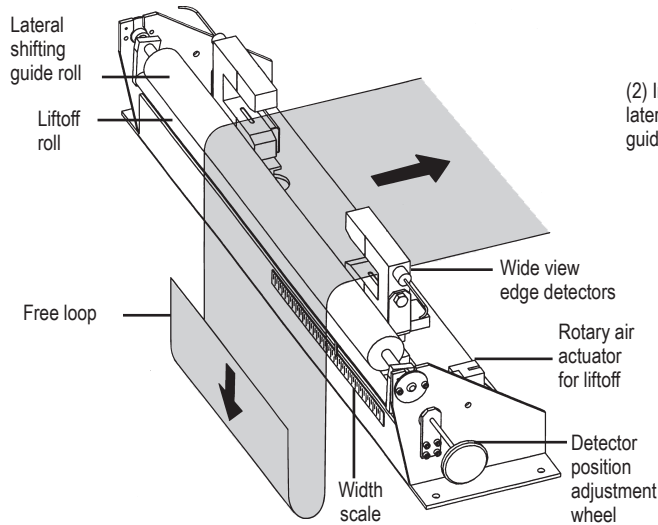
The solution for the increasingly more stringent design and quality requirements for today's tire builders.



FIVES NORTH AMERICAN'S FIELD-PROVEN GUIDE SYSTEM FOR TIRE SERVICERS

- Replaces ineffective side guides on centering thin, pliable inner liner material and sidewalls.
- Eliminates edge tears and damage typically caused by side guides.
- Improves the quality of the tire by accurately guiding the inner liner or sidewalls onto the tire building mandrel.
- Reduces the tire builders time required to "pull back" material to obtain a good splice.
- Allows narrower width stock to be used, thereby saving material/weight.
- Can be used with both semi-automatic, and fully automatic tire machines.
- Configurable for tire machines that use PLC control or relay logic.
- The tire builder's routine does not change; the unit is fully automatic and requires no operator interaction.

SINGLE WEB (INNER LINER) Tire Servicer Center Guide System



DOUBLE WEB (SIDEWALL) Tire Servicer Edge Guide System



Center Guide System

Employs a laterally shifting roll to electronically guide inner liners to tire servicer centerline regardless of inner liner width variation, neckdown, or stock roll quality.

Edge Guide System

Employs dual laterally shifting rolls to precisely control the inner edge position of both sidewalls. Each sidewall is guided independently about machine centerline.

Reduced Costs / Improved Quality / Ease of Operation

The lateral shifting roll concept has benefits as compared to traditional guide devices:

- Little or no edge stress on the guided material.
- Simpler installation; directly replaces the side guides and roll.
- Threads easily; no additional rolls to thread around or between.
- Guides effectively from a free loop.
- Does not require controlled tension.

System features:

- Easy setup.
- Complete self-contained system.
- Easily adaptable to available space.
- Electronic setup through digital-based controller.
- Field proven with over 100 systems in service.
- ± 1 " correction capability.
- Allows narrower width stock to be used due to precise positioning.

Fives North American Combustion, Inc. Guiding Systems

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