Avery Dennison® IndES® Elastic Staple® Automated Hosiery System

AVERY DENNISON | Printer and Fastener Solutions

FAST, EFFICIENT AND SUSTAINABLE

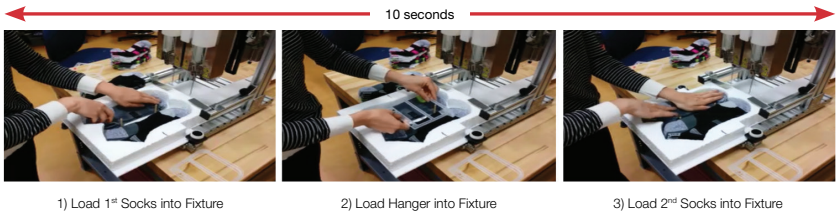
The Avery Dennison IndES Elastic Staple Automated Hosiery System (AHS) is a new and innovative hosiery packaging solution that secures socks together through an automated process that is faster than traditional clip fed fasteners, and offers flexibility for a variety of elastic staple sizes to suit customer's needs. The AHS uses programming and simple switches to initiate the cycle and pneumatic controls quickly and efficiently deliver one or two fasteners per sock. No further operator involvement is required for a complete fastening cycle.

The AHS features a new hosiery needle specially designed to eliminate damage to the sock material and is the smallest diameter of any IndES needle. This allows the AHS to execute at any thickness of sock up to 67mm while keeping the material pristine.

IMPROVES PRODUCTIVITY WITH DECREASED CYCLE TIME

Using 10,000 IndES fasteners per roll versus 50 or 100 fasteners per clip for traditional clip-fed fasteners, productivity increases and labor costs can be reduced.

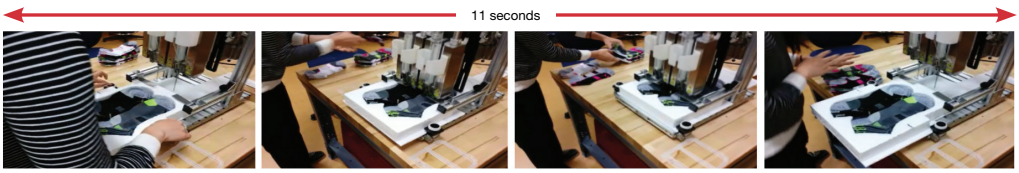
EXAMPLE OF SOCK PACKAGING OPERATION.



1) Load 1st Socks into Fixture

2) Load Hanger into Fixture

3) Load 2nd Socks into Fixture



4) Operator actuates APU to start automation cycle

5) Auto APU moves slide and inserts 1st staples in toe area

6) Auto APU moves slide and inserts 2nd staple in heel area

7) Auto APU moves out to allow operator to unload

A leader in intelligent, sustainable and innovative securing, attaching, and packaging solutions that accelerates supply chain performance and elevates the consumer experience, while shaping industry standards.

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ECONOMICAL

- Provides a uniform staple cut for consistent product presentation allowing manufacturers to increase the operator's production speed and lower the total assembled cost of the product.
- Reduces packaging costs by securing socks more efficiently than traditional clip fed fasteners applied with hand tools.
- One specially designed needle reduces costs associated with the procurement and upkeep of multiple needle sizes and damaged sock material.
- Less expensive than fully automated packaging lines.

CUSTOMER SATISFACTION

- Our proprietary fastener molding process gives us the flexibility to provide a wide range of elastic staple sizes to meet a variety of customer needs.
- Consistent and reliable hosiery packaging increases consumer brand awareness and perceived product value.
- Allows open packaging for consumers to touch and feel the socks before purchasing.

SUSTAINABLE PACKAGING

The AHS secures socks together using lightweight staples, therefore eliminating excess packaging and reducing solid waste production compared to conventional packaging methods. Using elastic staples and header cards instead of traditional poly bags, plastic landfill waste can be reduced.

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Accelerating supply chain performance and elevating consumer experience.

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INDES AHS TECHNICAL INFORMATION

PRODUCT SPECIFICATIONS	
Mode Number	**Description**
11602	IndES Automated Hosiery System
11621	IndES SOCKS Needle 101mm NonTapered
11614	Reel assembly holder

Weight	75lbs 34Kg
Overall dimensions w x h x l	17.4 in x 35.5in x 25.9in
Operating pressure	80 Psi

IndES Elastic Staple

Part # Natural	Part # Black	Part # Clear	Overall Length		*Minimum Elongation	
			MM	INCH	MM	INCH
11625-0	11645-0	11665-0	15	1/2	25.4	1.00
11626-0	11646-0	11666-0	19	3/4	25.4	1.00
11627-0	11647-0	11667-0	25	1	44.5	1.75
11628-0	11648-0	11668-0	30	1-3/16	44.5	1.75
11629-0	11649-0	11669-0	33	1-1/4	44.5	1.75
11630-0	11650-0	11670-0	37	1-1/2	44.5	1.75
11631-0	11651-0	11671-0	41	1-5/8	44.5	1.75
11632-0	11652-0	11672-0	44	1-3/4	82.5	3.25
11633-0	11653-0	11673-0	50	2	82.5	3.25
11634-0	11654-0	11674-0	54	2-1/8	82.5	3.25
11635-0	11655-0	11675-0	58	2-1/4	82.5	3.25
11636-0	11656-0	11676-0	64	2-1/2	101.5	4.00
11637-0	11657-0	11677-0	68	2-5/8	101.5	4.00
11638-0	11658-0	11678-0	73	2-7/8	101.5	4.00
11639-0	11659-0	11679-0	75	2-15/16	101.5	4.00
11640-0	11660-0	11680-0	80	3-1/8	101.5	4.00
11641-0	11661-0	11681-0	85	3-3/8	190.5	7.50
11642-0	11662-0	11682-0	90	3-1/2	190.5	7.50
11643-0	11663-0	11683-0	95	3 – ¾	190.5	7.5
11644-0	11664-0	11684-0	100	3 – 15/16	190.5	7.5
11685-0	11690-0	11695-0	110	4 – 5/16	190.5	7.5
11686-0	11691-0	11696-0	120	4 -3/4	190.5	7.5
11687-0	11692-0	11697-0	130	5 – 1/8	190.5	7.5
11688-0	11693-0	11698-0	140	5 – ½	190.5	7.5
11689-0	11694-0	11699-0	150	5 7/8	190.5	7.5

* Elongation is the amount a staple will stretch from it's original overall length

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