Alyne® Diamond Core by AAT
State-of-the-art pulpless multi-layered absorbent core

What is Alyne Diamond Core?

Multi-layered:
- Utilizes multiple super absorbents in separate layers to effectively manage fluid:
  - Extreme dryness over multiple insults
  - Speed of absorbency that challenges pulp-based products
  - Excellent retained capacity
- Wicking strip fully utilizes core front to back

Diamond quilting:
- Channels fluid throughout
- Provides structural integrity & reduces bunching
- Holds super absorbents in place for effective fluid management

Award winning design:
- 2017 Hygienix Award for 'Best New Product'

Patent protected

Many uses:
- Adult incontinence
- Baby diapers & training pants
- Wound care
- Feminine hygiene pads
- Plus many more uses

What absorbent core is available for purchase?

Spools & festooned boxes:
- Spools - 40” deep and 32” wide
- Festooned boxes - pallet width and depth up to 2.5 meters
- Fully wrapped for transport & storage

Absorbent core is modifiable:
- Widths - 50 mm to 150 mm
- Layers of super absorbents - 2 to 5 (typically moderate = 2, maximum = 3, overnight = 4)
- Number of super absorbents - 2 to 5 (AAT standard options or your preferred super absorbents)
- Cut & place to your desired length

Consumer/User Benefits:

- Superior protection: multi-layered diamond-quilt design
- Super-thin: up to 50% thinner than pulp/SAP cores
- Dry: fast-absorbing with high fluid retention
- Flexible: molds to body for close fit
- Comfort: dry: up to 30% cooler, wet: up to 50% warmer (but feels dryer)

Manufacturer Benefits:

- Ease of use: core comes layered with materials as requested/ordered
- Cut & place: core is ready to be used in end product - just cut & place
- Less power: no hammermills or drum formers reduce fire risk & power usage
The Alyne® Difference

1. Fabric-like material against skin.
   Soft against your body, and moves fluid quickly through to reduce the sensation of wetness.

2. 2 layers of Alyne Diamond-Quilt®
   Small super absorbing diamond reservoirs move fluid from one to the next quickly. Two layers work together to keep consumers much dryer.

3. Embossed absorbent strip layer
   Fluid is channeled to the front and back of the product quickly so there’s no wetness build-up.

4. Alyne Diamond-Quilt® final layer
   Contains super fast-absorbing material to lock in any excess fluid to provide added insurance against leaks.

Alyne® is the only brand to replace bulky wood pulp with state-of-the-art absorbent technology.

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