



## NONWOVEN TERMS

For the informed employee

# Spinneret

There are three primary nonwoven processes that uses spinnerets: spunbond, meltblown, and spunlace. A spinneret is a metal plate having hundreds to thousands of holes in it. The purpose of the holes is to precisely direct small diameter streams of liquid. The first two processes use hot thermoplastic resins like polypropylene, polyester, and nylon to produce filaments that are combined to form a web and then a fabric. A spunbond spinneret creates streams with laminar flow to produce continuous filaments of fiber. A meltblown spinneret directs the liquid to a point of intersection with streams of air. The resulting fibers are discontinuous and vary in diameter. The spunlace method uses spinnerets to direct streams of water through a dry laid web to interlace the fibers and bond them together. A spunlace spinneret converges high pressure water into tiny jets that blast fibers against a moving screen to intertwine the fibers.

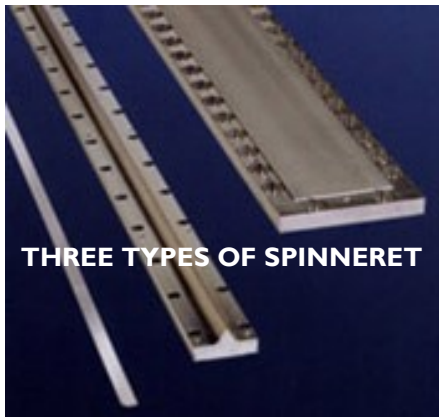


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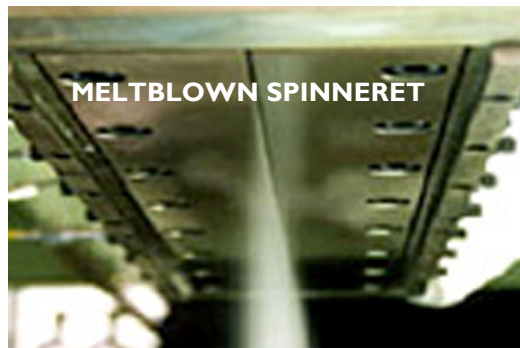


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**“Let me tell you the secret that has led me to my goal: my strength lies solely in my tenacity.”**

**Louis Pasteur**

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