



Purveyors, Designers and Operators of New and Re-Purposed Textile Machinery for the Production of Worsted Top For the High Fashion Textile Industry & Specialty End Product Producers & Artisans

**Royal Grade Alpaca 15 to 20.9 Microns under 24 CV for Commercial Processing
Superfine Sheep Breeds 15 to 20.9 Microns under 20 CV for Commercial Processing
Other Protein Fibers within the 15 to 20.9 Micron and under 24 CV
Production of Worsted Top +/- 10% of the Micron Range above & up to 27 CV for Specialty Processing**

Research and Fiber Testing of all Fibers for Blending of compatible Fiber Blends including other Natural Fibers such as True Bamboo and Silk.

The Mill will also be engaged in a Research Project concerning the proper nutrition of Alpacas and will be working with other Researchers & Interested Parties. Alpacas are Insulin Resistant and many of the current grains and feeding protocols have ingredients that could negatively effect Alpaca Fiber.

With close to 1,000 square feet of Day Lighted Class/Workroom space the Mill will be able to host hands on classes about Weaving/Fiber Arts, Alpaca Breeding for Longevity Royal or Desired Grade of Fiber etc. Distance Learning facilities for Textile & Millwright Education, Online Vet Classes etc. are also planned for.

Facts About How Weak Fibers Effect the Cost of Production

The more weak and uneven the Fiber is it slows down processing and increases cost of production. With Sheep wool we expect 30% - 37% waste due to weakened fibers due to the rigors of Wool scouring etc. From what we have seen in Alpaca Fiber, that is represented as Royal Grade, a lot comes from Cria, Juvenile, Yearling and 3 year old Alpacas. They are under the most stress due to growth and possible poor nutrition that seems to indicate they have high quality Royal Grade Fiber . . . up to 40% can be weak fibers and are misleading as to the true value of the fiber they can produce in later life. This leads to higher production cost.

What the Mill Needs to Know

All Fiber/Bales must provide a Histogram or Core Test from Yokum McColl or other qualified Fiber Testing Lab. All Fiber/Bales will be Tested by an Independent Testing Lab to verify the Micron, CV, cleanliness and supplied Histogram. This data will help the Mill determine the Production Cost and Equipment setup.

The Mill reserves the Right to reject Fiber that is Not as Represented, Too Dirty/Hairy/Contaminated & Unskirted.

All Commercial Production Worsted Top will be tested by an Independent Fiber Testing Lab using an OFDA 4000 or similar Testing Equipment.

The initial calibration of the Mill equipment will be done with 3,000 Lbs of Rambouillet Sheep Wool ~ 18 Micron and below 20 CV. Small batches of Royal Grade and Baby Grade Alpaca Fiber will be tested as well.

The production capacity of the Mill is 40,000 to 80,000 Lbs per year and we will begin Testing and Limited Production in June 2012. Once we have proven our system Turnkey systems can be designed for your needs.

The Mill will make annual donations to the Quechua Benefit, Nuñoa Project and Camelid Research Studies Programs once the Mill achieves 50% production capacity.

The Maine Top Mill is a L3C under the Direction of Robert & Erin Weintraub
Owners of Cloud Hollow Farm

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