

A close-up photograph of two spools of pink thread on a sewing machine. The spool in the foreground is in sharp focus, showing the texture of the thread and the white label on top. The background is blurred, showing the metallic parts of the sewing machine. A white diagonal shape overlaps the left side of the image.

refiberd.

AI & Robotics-Enabled Textile Recycling

■ The Opportunity.

The textile industry is committed to increasing sustainability but is struggling to find cost-effective solutions, especially around raw materials.

81% Consumers prefer clothes made sustainably

50% of emissions from the textile industry are produced from raw material production and processing



■ The Problem.

With 93 million tons of textile waste generated annually, textile recycling would be an excellent sustainability solution if not for:

- Need for intensive manual labor to sort textile waste
- Destructive recycling processes

Resulting in expensive & low quality materials

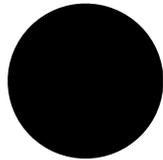




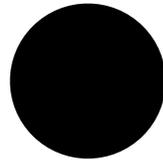
This is refiberd.



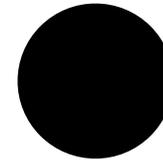
The only 100% eco-friendly textile recycling system that converts unsorted, used textiles into new, 100% recycled thread.



AI-Enabled



Robotic Assisted



100% Green Chemical

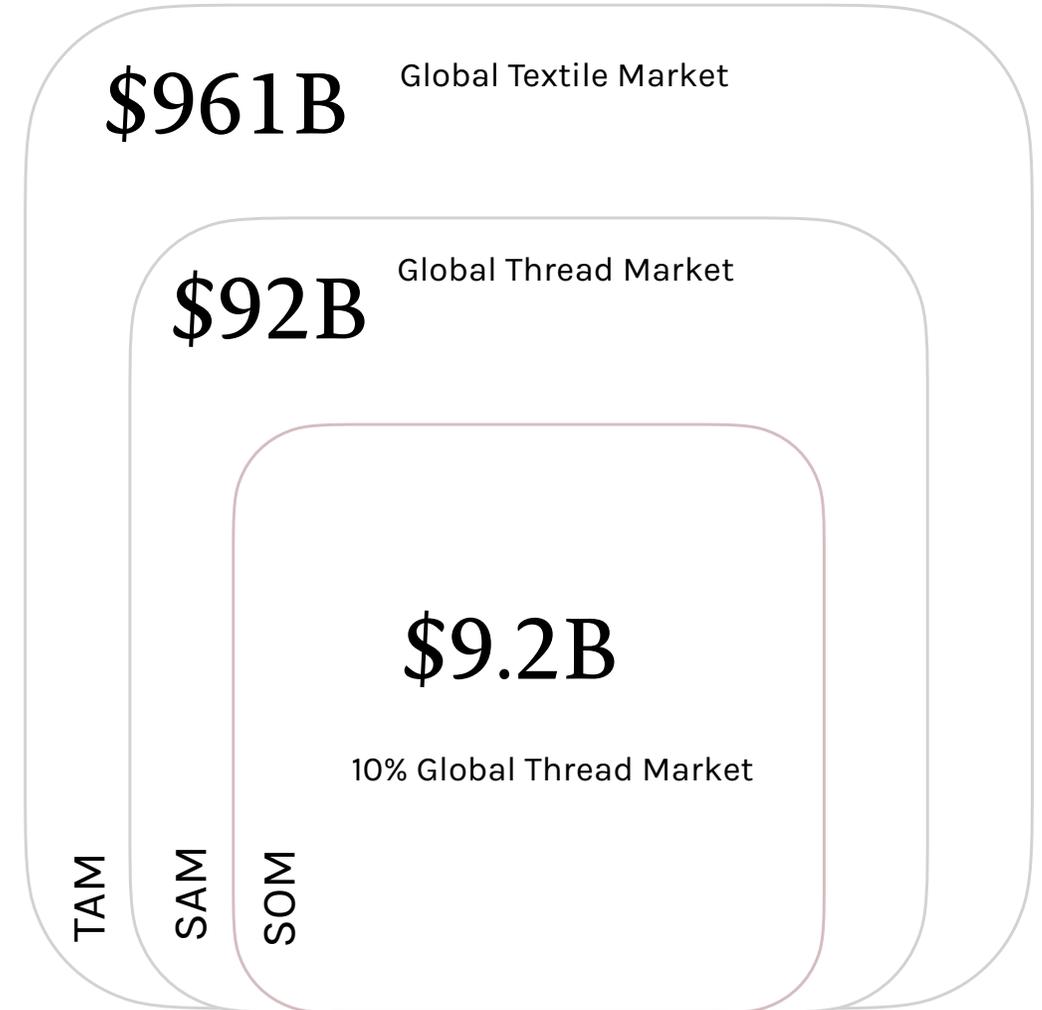
Our Advantages

- Strongest thread on the market which is made 100% from textile waste
- 50% cheaper than cotton thread
- 75% cheaper than other recycled threads
- 100% eco-friendly process which preserves dye color



Our Market

- Selling Refiberd thread B2B to textile brands & manufacturers
- Tremendous market size
- Market Growth at 9.2% CAGR





● **1. Pre-sale of Refiberd Embroidery**

Validate Refiberd thread's manufacturing ability & consumer interest in recycled materials

● **2. Initial Pilots & Partnerships**

LA brand partnerships with US based production lines as early customers and validators

● **3. US Textile Mills**

Leverage brand interest for US textile mill fiber purchase and manufacturing

● **4. Validate for Scale**

Demonstrate success to validate larger scale expansion to larger textile brands & mill production

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Growth Plan

Our Founders



Sarika Bajaj

CEO

BD @ SRI International, R&D @ Intel,
Board of Directors @ Prototype PGH,
M.S. in Electrical and Computer
Engineering, & M.S. in Technology
Ventures @ Carnegie Mellon



Tushita Gupta

CTO

AI/ML Developer @ Intel, @ Intuitive
Surgical, and @ Atomwise. B.S. in
Electrical & Computer Engineering,
M.S. in Electrical and Computer
Engineering @ Carnegie Mellon



Ida Wang

CMO

BD @ Thermo Fisher Scientific,
@ Merck, and @ Volvo Group,
Environment Eval @ ECADI
M.S in Technology Ventures
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Current State



- Patent pending on textile recycling process
- MVP for our textile sorting process
- Carnegie Mellon's VentureBridge Accelerator
- UC Berkeley's Regional NSF I-Corps Program
- Top 40 Finalist at SXSW 2021 Start-Up Pitch
- Launching Refiberd embroidery presale @ SXSW



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Thank You

Today, less than 1% of material used to produce clothing is recycled into new clothing, clogging landfills and representing a loss of more than USD 100 billion worth of materials each year.

Refiberd is the 21st century solution that will change the world.

refiberd.com

hello@refiberd.com