

Weaving & Knitting

The Weaving & Knitting Zone would be the next major link after the Spinning & Yarn Zone, converting yarn into fabric for garment, home-textile and technical-textile manufacturers.



Production flow

Fibre → Spinning → Yarn → Weaving / Knitting → Processing → Garment → Fashion



Weaving

The weaving units can manufacture woven fabrics using:

- Cotton yarn
- Polyester yarn
- Viscose
- Blended yarn
- Recycled yarn
- Specialty yarn

Potential products:

- Shirting fabric
- Suiting fabric
- Uniform fabric
- Workwear fabric
- Denim
- Home-textile fabric
- Industrial fabrics
- Technical fabrics

Key machinery:

- Air-jet looms
- Rapier looms
- Automatic looms
- Warping machines
- Sizing machines
- Inspection machines



Knitting

Knitting units can produce flexible knitted fabrics for:

- T-shirts
- Sportswear
- Innerwear
- Activewear
- Children's clothing
- Casualwear
- Medical textiles

Potential machinery:

- Circular knitting machines
- Flat knitting machines
- Warp knitting machines
- Fabric inspection machines



Integrated zone

The biggest advantage of the Shahapur concept is proximity:

SPINNING & YARN



WEAVING / KNITTING



DYEING & PROCESSING



GARMENT MANUFACTURING



WAREHOUSE



LOGISTICS

This can reduce movement of intermediate materials and make production planning easier.



Green manufacturing

The Weaving & Knitting Zone can incorporate:

- Solar rooftop systems
- Energy-efficient looms
- Automated production monitoring

- Waste-yarn collection
- Fabric-waste recycling
- Efficient compressed-air systems
- Water-efficient processes



