DMS Dilmenler Makine from Turkey has a complete solution for all types of fabric processing and finishing requirements that can help mills obtain value addition by producing processed and finished goods . The Company , established in 1982 specialises in the manufacturing of textile machinery for fabric processing line, washing & drying range and all kinds of textile finishing machines.

1. Dyeing Machines

- ✓ **Jumbo HT Fabric Dyeing Machine** equipped with high technology in fabric processing, suitable for both open width knitted and woven fabrics of natural or synthetic fibre material and its blends.

- ✓ **Air jet HT Dyeing Machine** is a new concept and totally different to other dyeing machines and systems. This machine is especially suitable for synthetic and blended fabrics such as polyester, polyamide, lyocell, cupro, polynosic, microfiber, tencel, linen etc. and blend of all these synthetic fabrics with cotton or viscose. The biggest advantage of this system is to have very good levelness of dyeing and short dyeing process time without any creasing mark or overlapping of fabric.

- ✓ **HT Beam Dyeing Machine** equipped with high technology in fabric processing suitable for both open width knitted and woven fabrics which produced from natural or synthetic fibre and its blend in bleaching, dyeing and washing.

2. Fabric Washing, Bleaching and Mercerizing machines

- ✓ **Open Width Fabric Pre-Washing Machine** is suitable for both knitted and woven fabrics after dyeing (printing, jet dyeing and CPB) which produced from natural or synthetic fibres and its blends.

- ✓ **Open Width Continuous Washing & Bleaching Machine** is suitable for both knitted and woven fabrics in bleaching, washing after dyeing (printing, jet dyeing and CPB) which produced from natural or synthetic fibres and its blends.

- ✓ **Open Width Continuous Washing Machine** is suitable for both knitted and woven fabrics in washing after dyeing (printing, jet dyeing and CPB) which produced from natural or synthetic fibre and its blends.

- ✓ **Open Width Continuous Washing Machine (for Woven fabrics)** Woven Fabric Inlet and Outlet Equipment at Machinery, Washing, Soaping, Neutralization, Cold Rinsing.

- ✓ **Open Width Continuous Washing & Bleaching Machine (for Woven fabrics)** Woven Fabric Inlet and Outlet Equipment at Machinery. Process enables Pre-Treatment Works like Desizing, Demineralization, Bleaching, Washing, Neutralization,

- ✓ **Open Width Continuous Mercerizing Machine (for Woven fabrics)** Fabric Inlet and Outlet equipment at Machinery, Caustic Impregnation and Stabilization units dimension, Wash box types and numbers, Product Features are designed in accordance with the Type and Texture of the Product and the Process to be implemented, as well as the Production Capacity needed.

3. <u>Fabric Finishing, Squeezing and Drying Machines</u>

- ✓ **Slitting and Squeezing Machine** is suitable for open width and tubular fabric (to slit into open width form) in wet and dry form. Fabric is centralized, squeezed and plaited in open width form into a trolley before drying and/or stenter process.

- ✓ **Balloon Squeezing Machine** is designed to de-twist wet tubular fabrics, enzyme washing with ballooning, pre-squeezing, magnetic stretcher with feeding function, plaiting device with conveyor belt.

- ✓ **Stenter Fabric Drying and Heat Setting Machine** is ergonomically designed with latest technological achievements and it is with up to 62.8 - 85 % of calorific efficiency. Heat setting process is suitable for wet and dry fabric, drying after dyeing, impregnating from dry fabric, impregnating from wet fabric, drying after coating or lamination.

- ✓ **Relax Dryer** is with up to 72 - 85% of calorific efficiency. Process of drying after dyeing process.

- ✓ **Egalizing Dryer** is with latest technological achievements and it is with up to 72 - 85% of calorific efficiency. Process of drying after dyeing and impregnating process from wet or dry fabric

- ✓ **Open Width Compacting Machine** is designed for compacting process of knitted fabric in open width form.

4. **<u>Caustic (NaOH) Recovery System</u>** Environment friendly Caustic Recovery System eliminates the Process of disposal of the weak Caustic-Lye, which is the output of the Mercerizing Processes, linked to the Biological Treatment Facility, contaminating the Nature, after being Neutralized with Sulphuric Acid, and disposed from waste-water-treatment-plant.

Caustic-Lye concentration is increased by Evaporation of Water-Content of the Weak-Caustic-Lye at low Temperature under Vacuum through the Staged Vaporizers, and finally obtained the Strong Caustic-Lye, which will be reused in the New Mercerizing Processes. Along with Reducing the Mercerizing Process Costs and Increasing your competitive Power, positive Contribution is made to the Environment by Protecting of the Environment.

.

5. **<u>Ancillary Machines – Fabric Preparation, Wrapping, Inspection and Packing</u>**

- ✓ **Fabric Preparation Machine** has been designed to prepare the rolls for the dyeing machine. This results time saving and proper preparation of the fabric prior to dyeing. Fully equipped with belt pulley system enables very silent operation. In the roll opening section; there are separators for opening more than one roll at the same time. The machine can be used for both fabric opening and inspection machine with a little change adjustable at touch of screen.

- ✓ **Fabric Beam Wrapping Machine** is used to wind and prepare woven fabrics for dyeing at beam dyeing machine in appropriate fabric density and winded fabric length with homogeneous winding frequency. Machine equipped with Sensitive winding with homogenous density. Winding on beam from trolley and big batcher. Plaiting from beam to trolley or big batcher.

- ✓ **Fabric Inspection and Packing Machine** is used for quality control and packaging the fabric. Features: Fabric type: woven fabric, working width: 2400 mm. working speed (min/max). Automatic cutting and heated air heater Unit for transferring the nylon packed fabric to the trolley. Fabric meter counter, automatic weight system control panel and automation.