## **Leather Processing & Tanning Technology Handbook**

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Leather Industry has been one of the traditional industries operating at present. The hides and skins of animals are the source of leather and preserving hides and tanning them into leather has become an important industry. Leather-making is now a scientifically based industry, but still retains some of the charm and mystery of the original craft. Animal skin that has been processed to retain its flexibility, toughness, and waterproof nature is known as leather. "Leather tanning" is a general term for the numerous processing steps involved in converting animal hides or skins into finished leather.

Tanning is the final process in turning hides and skins into leather. Tanning involves a complex combination of mechanical and chemical processes. The heart of the process is the tanning operation itself in which organic or inorganic materials become chemically bound to the protein structure of the hide and preserve it from deterioration. The main chemical processes carried out by the tanner are the unhairing, liming, tanning, neutralizing and dyeing.

This indispensable handbook provides a detailed insight into the leather industry, leather processing and tanning technology with manufacturing of different forms of leather products. The book contains the manufacturing process of different forms and type of leather products like box and willow sides, glazed kid, sole leather, lace leather, belting and bag leather, chamois leather, upholstery leather, antique leather, light and fancy leather, etc. to name a few. This book will be very helpful to its readers, upcoming entrepreneurs, scientists, existing industries, technical institutions, technocrats, etc.

- 1. FROM CRAFT TO INDUSTRY
- 2. WHAT LEATHER IS AND HOW IT IS MADE

Early Methods of Preparing Leather

The Sources of Hides and Skins

The Nature of Hides and Skins

**Preparation for Tanning** 

**Tanning** 

Dressing and Finishing

Colouring

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Market

Leather Footwear Industry

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Pigmenting, Seasoning and Glazing

Boarding or Graining

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Manufacture of Embossed Chrome Leather for Ammunition Boot Uppers

Chrome Retanned Leather for Army Boots

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Deliming

Puering or Bating

Scudding

**Pickling** 

**Tanning** 

Neutralizing

Dyeing and Fat liquoring

Setting and Drying

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Staking

Nailing the Skins

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Re staking

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Glazing

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Deliming

Pickling

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