



POTATO POWDER PROCESSING PLANT



Your Trusted Partner for Consultancy and Turnkey Project Execution



COMPANY OVERVIEW

Salvin Industries is a leading engineering, technology and consulting conglomerate, working closely with diversified industries spanning across food processing, agriculture, plastics, chemicals, metals healthcare, packaging, Dealer, distributor, super stocks, marketing plan, product analysis and other industries and business sectors offering complete turn-key solutions including advanced engineering, Industry 4.0 solutions, digital transformation and expert technical and management consultancy. With 10+ years of experience and global presence in 8+ countries, Salvin Industries is serving from the most demanding to the most distant customers across the globe. We empower them for rewriting their future with our depths of knowledge, unique ideas, technical expertise, creative solutions and enduring results, all at the most optimal costs, right at their doorsteps.

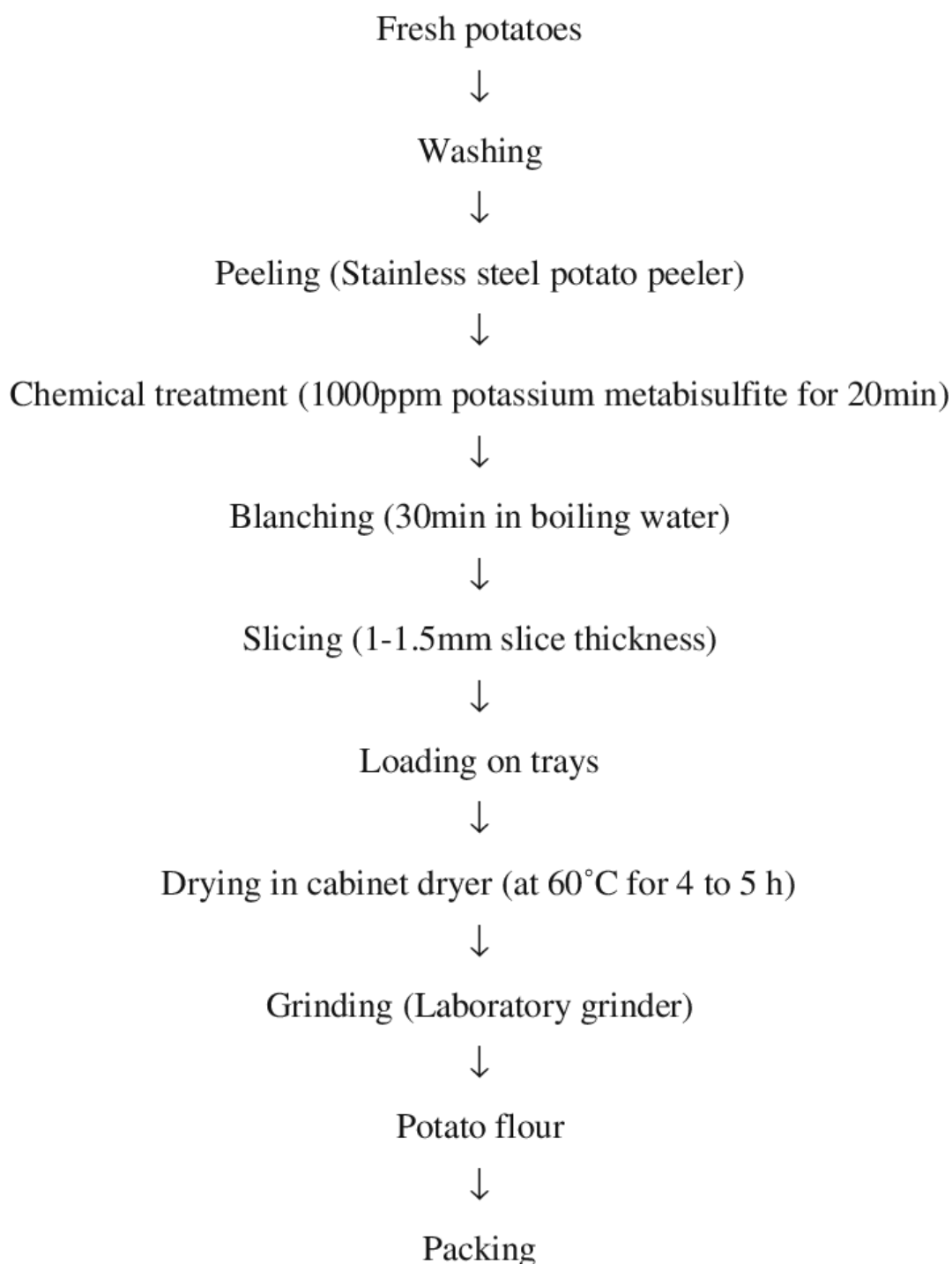
Armed with the eminence in technological expertise, global capabilities and a process driven approach, we have the ability to take on any challenging project. Crossing the geographical borders & cultures and living up to our core values Excellence, Respect, Care & Joy, we propel innovation to engineer solutions that build & foster equality. Working together as one team with all our business partners & associates, we are transforming industries, fueling economies, developing sustainable solutions and thereby elevating societies, globally. We realize the need to respond to the dynamism & speed with which the world is changing all around us and understand the need to anticipate

POTATO POWDER

PROCESSING PLANT

A potato powder manufacturing plant processes raw potatoes into fine, shelf-stable powder through washing, peeling, slicing, blanching, drying (using drum or belt dryers), grinding, and packaging. These plants require stainless steel machinery (washers, peelers, dryers, pulverizers) and, typically, a moderate to high capital investment for medium-scale operations, yielding high-profit margins of 30–40%.

P&L DIAGRAM POTATO POWDER PROCESSING PLANT



POTATO POWDER PROCESSING PLANT

THE PROCESS

Washing

To remove all field soil, stones, and foreign materials. Typically a two-stage process: dry cleaning to remove coarse impurities, followed by wet cleaning to scrub the skin

Equipment: Dry Destoner, Rotary Drum Washer



Peeling

To remove the inedible outer skin efficiently with minimal flesh loss. The method chosen affects yield and waste management.

Equipment: Abrasive Peeler, Steam Peeler



Chemical Treatment

To prevent enzymatic browning (oxidation) and microbial growth. This step is critical for producing a light-colored, stable final product.

Equipment: Sulfite Dipping, Spray System



Blanching

A critical thermal process to inactivate enzymes (like polyphenol oxidase and peroxidases) that cause off-flavors and discoloration during storage and drying. It also pre-gelatinizes starches, influencing the texture of the final flour.

Equipment: Rotary Drum Blancher, Screw Conveyor Blancher



POTATO POWDER PROCESSING PLANT

THE PROCESS

Slicing Slicing

To increase the surface area of the potato, which dramatically improves the efficiency and uniformity of the subsequent drying process

Equipment: Rotary Slicer / Cube & Strip Cutter



Loading on Trays Loading on Trays



To arrange the slices in a single, even layer on drying trays. This ensures uniform airflow around each piece, preventing both under- and over-drying.

Equipment: Manual Loading / Automatic Spreader

Drying (Cabinet Dryer) Drying (Cabinet Dryer)

To reduce the moisture content from about 80% to below 6-10% by evaporation. This halts microbial and enzymatic activity, enabling long-term shelf stability .

Equipment: Batch Tray/Cabinet Dryer



Grinding Grinding



To mill the dried potato slices or flakes into a powder of a desired, uniform particle size. The method impacts the powder's characteristics (e.g., fine flour vs. coarse flakes).

Equipment: Hammer Mill, Pin Mill , Roller Mill



LET'S WORK TOGETHER



+91 97127 77034



www.salvinindustries.in



info.salvinindustries@gmail.com



210, Arved Transcube Mall,
Bandhu Nagar, Vijay Nagar,
Ranip, Ahmedabad, Gujarat 382480



FOLLOW US

