PVA [Polyvinyl Alcohol] Water soluble film making:

Plastics and soluble, many know about it but practically many are to see and understand it.

They, unlike conventional plastics, break down completely in water. They don't leave behind any waste. This makes them less of a weight on landfills, and helps to reduce pollution.

High end & important applications in the fields like:

- o Cosmetics
- o Agriculture: Encapsulating pesticides or fertilizers in water-soluble film allows for a controlled release, and reduces environmental contamination.
- o Water Soluble unit packaging: Using the single dose detergent packet is more convenient, more rational, more scientific and greener.
- o Wound Dressing
- o Pharmaceuticals: Capsules containing water-soluble film provide precise dosage and secure administration of medicines. The capsules can be dissolvable providing maximum performance and ease of use.
- o Tissue Engineering
- o Drug Delivery
- o Bio-Degradable Packaging
- o Consumer Goods: The packaging of laundry detergents, cleaning products as well as other products is generally made from water-soluble films. This is convenient and environmental sustainability.
- o Industrial Applications: They are also utilized in industries like textiles and construction when temporary protection layers are required.

Usually the plants available for 0.02 mm to 0.07 mm thick film making for 1200 to 1500 mm width and the production of 70 to 120 kg production per hour and for the extrusion system of single to double screw technology is offered by different companies at different cost.

And this is going to be the future too.

Machinery worth Rs. 2.25 Cr; Land + Building of about 3.5 Cr; and utilities and other startup costs at about 0.5 Cr, the annual nett. Profits can be 5 CR. +

This is the best New project to go in for these days.

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