

ENES MACHINERY INDUSTRY

ENES Machinery Industry started manufacturing of ancillary machineries for Textile fibres and yarns dyeing & bleaching process in 1986 at Gaziantep one of the biggest textile zones in Turkey.

ENES Makine supply ranges of machines are as follows:

1. Belt Dryer --



- ✓ Belt drying machine is used for drying cooking of tow, skein, wool, cotton fibre, acrylic fibres, hard felt, wadding, non-woven paddings products etc.
- ✓ It has the steam or hot oil heating system. (80 - 200 Degree C). 40% energy saving.
- ✓ No use of RF (radio Frequency) system and hence no adverse effect on human health.

✓ No fire risk like drum dryers.

✓ Easy to increase the production capacity for any future requirements by just adding dryer chambers due to modular cabin system. Production capacity of 7 - 30 Ton/day.



2. Wet Cake Press --



- ✓ The machine is designed for preparation of high density cake of different types of fibres before the dyeing / bleaching process.
- ✓ All the parts coming into contact with the fibres are made of stainless steel & can generate

40-80 ton force to have high density cake formation.

- ✓ Total Capacity of the machine to prepare the fibre cake of 200=750 Kg/hr

3. Hydro-extractor / Centrifuge --



- ✓ It is used to remove the water from fibre cake / yarn package / fabric with the basket rotating at 600-750 m/min through the high G force. This reduces the water content in the processed product and considerably saves the energy for final drying of the product.
- ✓ It has three leg anti-vibration suspension systems with different types of internal basket suitable for the various products.



4. Bale Press Machine --



- ✓ This machine is used to press the processed and dried fibres and convert it into compact form of fibre bales.
 - ✓ There are 2 cabins in the machine. One cabin is for filling the dried fibres and then another one is for pressing, wrapping & strapping operation of the compressed fibre bale. Cabin rotation and filling operation is automatically controlled by PLC.
 - ✓ ENES has also the option of single cabin bale press machine for low production requirements.
- ✓ Total force generated by hydraulic piston of the cake press is 80-200 Ton and the capacity is 150-3000 Kg for fibres while 300-750 Kg for tow.