

APPLICATION CASE STUDY



DOC.NO. : AMTCS-4

HOST ORGANISATION : ARYAN FINE FAB LIMITED. AHMEDABAD.
INDUSTRY : TEXTILE PROCESSING
APPLICATION : PAD DYEING MACHINE (RELIANCE BENNINGER)
PRESENT SYSTEM : AC VARIABLE FREQUENCY DRIVE FOR MAIN ROLLER SYNCHRONISED WITH HEAT , PRESSURE CONTROL SYSTEM , DYEING PUMP MOTOR CONTROL & BECHING CONTROL SYSTEM.

FUNCTION OF MAIN ROLLER DRIVE

MAIN ROLLER AC DRIVE IS USED FOR TRANSPORTING COTTON CLOTH WITH ACCRATE PRECISE LINE SPEED CONTROL. MAIN ROLLER DRIVE IS FULL SYNCHRONISED WITH HEATER SECTION, DYEING PUMP MOTOR, PRESSURE CONTROL SYSTEM, BECHING MOTOR WITH SQUEEZING CONTROL FOR EXCELLENT QUALITY DYEING AND BETTER PRODUCTION.

ADVANTAGES OF AC VARIABLE FREQUENCY DRIVE

- * PRECISE AND ACCURATE SPEED CONTROL OF MAIN ROLLER REDUCES WESTAGES
- * BETTER SQUEEZING CONTROL LEADS TO SAVE OF COLOUR
- * SYNCHRONISATION OF DRIVE WITH OTHER SYSTEMS AVOIDS LIMITATION OF CLOTH LENGTH AND CHANGE OF COLOUR SHADE
- * EVEN AND ACCURATE FINISHING OF COLOUR.
- * ENERGY SAVING IS POSSIBLE WITH SYNCHRONISAION OF DYE-PUMP UNIT
- * HIGH FUNCTIONAL SAFETY, FULLY AUTOMISATION AND ELECTRONICS PROTECTION TO MACHINE

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