





We believe in

We cannot become what we need to be by remaining what we are - *Max DePree*

P

iotex Textech Private Limited admires the fact that for better tomorrow one should develop time to time, so when it comes to textile industry Pidotex offers certain upgrades for the different section of a spinning industry for the growth and development of its customers. As we believe that our mission is to provide them latest technologies to obtain high productivity resulting in high profits in terms of goodwill as well as monetary.

We at Pidotex with our well experienced professionals are all driven towards only one vision- "To become one of the top textile technology supplier" by providing our customers latest technologies and energy efficient solutions.

Some of the conversion we deal in

Conversion for Carding section

- Baumuller drive conversion.
- Retrofitting of Truetzschler & Crosrol card.
- Flat cleaning device.

Conversion for Blowroom section

- Conversion of Cleanomat & Contifeed system.
- Retrofitting of Trumac Scutcher.



Conversion Of Card Machines



DK 903 existing panel with Baumuller Drive



DK 903 with AC Drives in place of Baumuller Drive

BAUMULLER DRIVE CONVERSION

Suitable for Truetzschler DK760, DK803, DK903 cards equipped with the Baumuller drives.

LIMITATIONS OF EXISTING SYSTEM ARE

- Obsolete technology.
- Doffer speed deviations or Draft deviation due to Doffer motor speed.
- Maintenance & replacing is costly.
- Unavailability of services.
- Frequent malfunction & failures.

SOLUTION

We offer next generations AC drive along with PLC/Interface communication module which replaces existing Baumuller Drive of Feed Roller, Doffer, Delivery Roller & GMB of FBK/DFK.

BENEFITS OF REPLACING BAUMULLER DRIVE

- Latest technology.
- Easy maintenance & service.
- Precise control of parameters.
- Smooth working of machine.

TRUETZSCHLER DK 780 & DK 800 CARD RETROFITTING

Suitable for Trumac DK 780 & DK 800 cards which are equipped with DC motor for FBK, Feed Roller & Doffer Drive.

LIMITATIONS OF EXISTING SYSTEM

- Obsolete technology.
- DC Drives need more maintenance.
- Unavailability of services.
- PCBs & DC motors are costly.
- More power consumption.

SOLUTION

DC Motor with Tacho generator will be replaced by AC motor; GMB Drives are replaced by AC Drives. PLC/Interface communication module will install to have proper control over process parameters.

BENEFITS OF RETROFITTING

- Latest technology.
- Requires less maintenance.
- Less detention time.
- Smooth operation of machine.
- Less power consumption.



DFK Motor with AC Drive



DK 780 with AC Drives for FBK, Feed Roller, Doffer



Conversion Of Card Machine

RETROFITTING OF TRUETZSCHLER & CROSROL CARD

Suitable for Truetzschler DK715 / DK 740 and Crosrol cards MK4 / MK5 equipped with mechanical system. These cards are also not equipped with short term auto leveler & CCD.

DRAWBACKS OF EXISTING SYSTEM

- ❑ Obsolete technology.
- ❑ Frequent drafting problems.
- ❑ Speed variation issue in feeding motors/ delivery motors.
- ❑ PCB failure rate is high.
- ❑ Frequent carbon brush related problems.
- ❑ Consumes more power.

SOLUTION

We offer full conversion kit wherein we replace existing drive system with AC drives, PLC and re-wiring of electrical/electronic panel, CCD Autoleveller, Touch screen Display.

BENEFITS OF CONVERSION

- ❑ Latest technology.
- ❑ Helps operator to maintain sliver hank in tolerance limit.
- ❑ No speed variation occurs.
- ❑ Carbon brush related problems are eliminated.
- ❑ Increase in working efficiency.
- ❑ Less power consumption.



DK 740 existing panel



DK 740 panel after conversion with AC Drives



Conversion Of Blowroom

CONVERSION OF CLEANOMAT

Suitable for Truetzschler Cleanomat CVT 1/2/3 which are equipped with DC Drive for Feed Roller.

LIMITATIONS OF EXISTING DRIVE

- ❑ Obsolete technology.
- ❑ Dc motors has more maintenance.
- ❑ Expensive service.
- ❑ Frequent replacing of carbon brush.
- ❑ Problems of speed variations.

ADVANTAGES OF CONVERSION

- ❑ Equipped with latest technology.
- ❑ Maintenance free system.
- ❑ Require no frequent replacement of carbon brushes.
- ❑ Consumes less power.



Existing control panel with GMB Drive



CVT panel with AC Drives & PLCs



Conversion Of Blowroom

CONTI FEED SYSTEM CONVERSION

Blowroom lines equipped with Conti feed system supplies the raw material intermittently i.e. in ON OFF manner. The system works on last Feed Gear Motor of line to regulate flow of material through it.

LIMITATIONS OF EXISTING SYSTEM

- ❑ Obsolete technology.
- ❑ The supply suddenly stops & suddenly starts.
- ❑ High CV of Card sliver.
- ❑ Frequent jamming of lines.

SOLUTION

We offer latest technology Feedback Control System for the last Feed Gear Motor in order to obtain precise control of material supply as per the pressure required in the line.

BENEFITS

- ❑ Latest technology.
- ❑ Frequent jamming problem is eliminated.
- ❑ Precise control of parameters for feeding.
- ❑ Easy to maintain.

RETROFITTING OF TRUMAC SCUTCHER

Trumac Scutcher is equipped with Cone Drum PIV Gear Box for both Cone Drums and the shafts coupled with PIV Gear Box.

LIMITATIONS OF EXISTING SYSTEM

- ❑ Obsolete technology.
- ❑ Frequent mechanical problems.
- ❑ Periodic slipping of belts.
- ❑ Unavailability of services & maintenance.

SOLUTION

All the existing components of transmission system are replaced by AC Motor for feeding, PLCs, touchscreen display for ease of control & highly Sensitive Encoders will be installed at Piano Levers.

BENEFITS

- ❑ Latest Technology.
- ❑ Mechanical problems of PIV gear box become null.
- ❑ No slippages occur.
- ❑ Smooth machine operation.
- ❑ Less mechanical detention time.



Flat Cleaning Device

We are pleased to introduce our new accessory which is useful for cleaning the Flat Tops of the carding machine known as Additional Flat cleaning device or FCD. FCD is well established in the market and it gives very effective result in terms of cleaning the top flats. The main role of FCD is to keep top flats always clean & free from all sorts of dust, husk and impurities.

The basic features FCD are

- ❑ Positive cleaning at front side of the tops will keep the tops always clean.
- ❑ No need of separate drive for installing the device.
- ❑ Minimum alteration required for working of device.
- ❑ Maintenance is easy of this device.
- ❑ Blow air cleaning is replaced by this device.

The main advantage of this device is that it is suitable for all models of the carding machine manufactured by Trumac, Rieter and Crosrol, also for Laxmi machine work's LC333 card.



TRUMAC DK 760



TRUETZSCHLER TC03



CROSROL MK4



LMWLC333



RIETER C4



RIETER C60

PIOTEX TEXTTECH PRIVATE LIMITED

"Malhar", Plot No. 11/2, S. No. - 126,
Walhekarwadi, Near Atharv Park, Chinchwad,
Pune - 411 033, Maharashtra, INDIA.
Cell : + 91 - 83 90 11 55 44, + 91 - 83 90 11 66 44
email : info@piotex.in website : www.piotex.in