




cotmagic
Innovation by Co-Creation





“ Inspired by the nature’s weaver
equipped with latest technology
promising to deliver best creation ”



Spinning a legacy of excellence !

About Company

Softech Controls Pvt Ltd is part of 115 years experienced & renowned Cotmac group and ambitious company of three technocrafts having vast experience in different field of textile engineering. Softech is perfect blend of Cotmac's expertise in automation and their process & marketing expertise in the field of textile engineering.

Softech Controls have a vision to become one of the top textile firms by exploring the latest trends and technologies and automation solution. We are committed to give more productive, energy efficient automation solution and technology across the textile value chain from fibre to finished products .

With strong domestic network having branch offices at Nagpur, Surat, Hyderabad, Bangalore and head - office at Pune along with global office in Asia, Softech Controls has become a brand to reckon with on the international front as well.

Cotmac group is India's biggest automation house providing engineering and automation services to all industry sectors like power, sugar, cement, paper, oil & gas, pharmaceuticals, brewery and automobiles. Cotmac is India's No.1 system integrator & global solution partner of Siemens Germany.

Spin the magic

Cotmagic by Softech

It needs a magician to make miracle happen. Technological enhancements like Cotmagic produce visual effects in yarn to achieve aesthetic & equally artistic production. But it certainly needs much more than a sheer touch of magic to get such consistent world class results and this is where Cotmagic expertise through precise application of motion control techniques comes to the fore. Cotmagic is fancy yarn attachment for ring spinning machines. By making optimum use of latest motion control technology, it varies the drafting speed precisely and produces exactly what is needed.

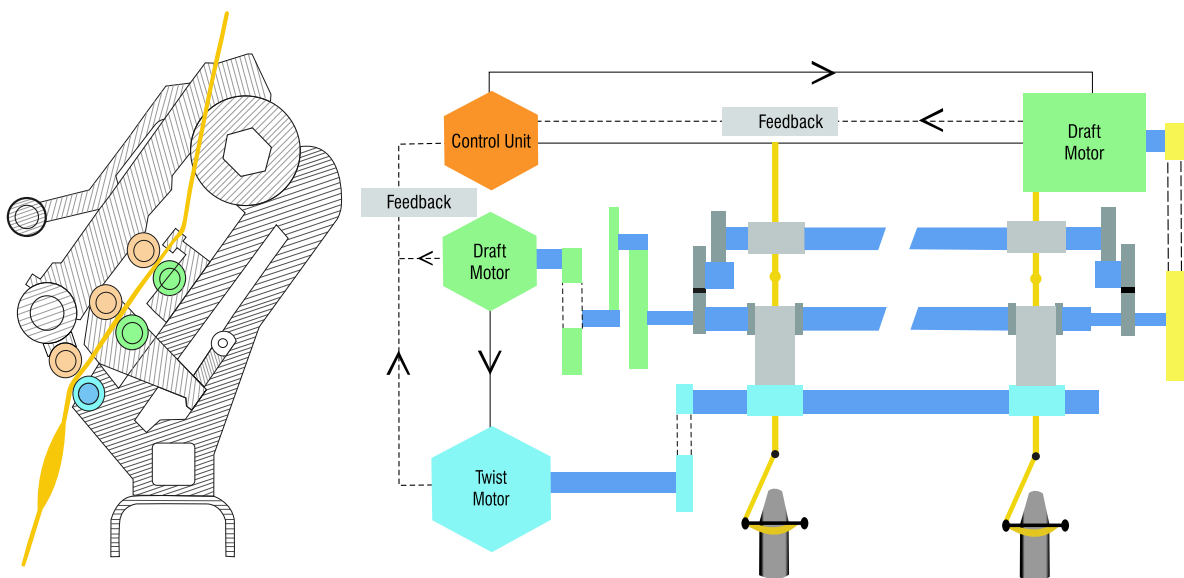
Cotmagic can produce slub, multicount, multitwist, slub on slub, negative slub and many other effects in the yarn.



Cotmagic - Innovation by co-creation

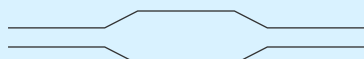
Working Principle

Softech offers a complete integrated hi-tech fancy yarn manufacturing equipment for various visual quality effects & reliable performance.

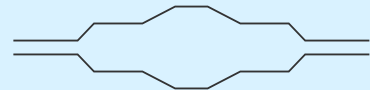


With cotmagic, it is possible to produce most demanding & fashionable products :

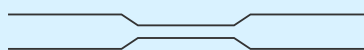
■ Slub



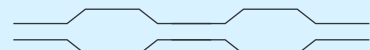
■ Slub on Slub



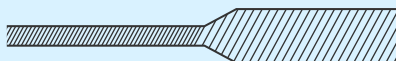
■ Negative Slub



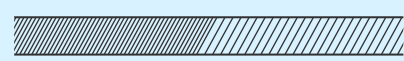
■ Multi Slub



■ Multicount



■ Multitwist



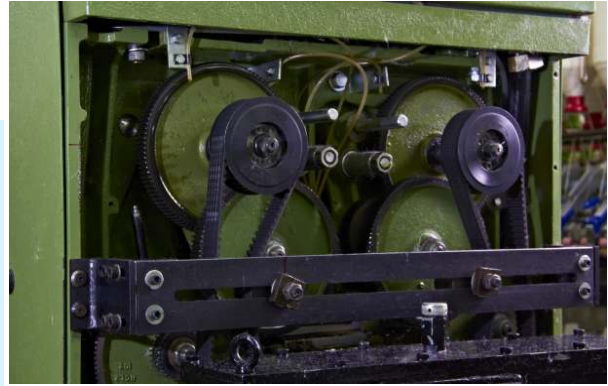
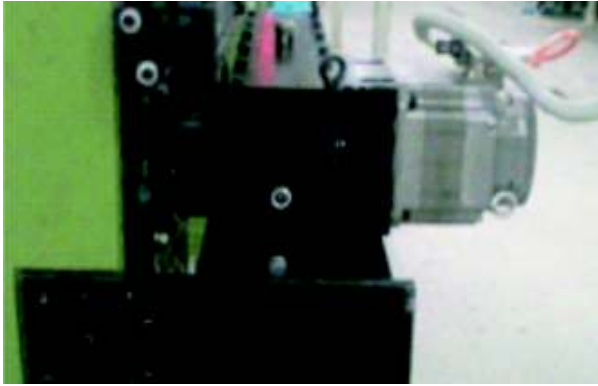
■ Multieffect



Cotmagic-Spin the magic

The New Success Formula For Fancy Yarn Manufacturing

Cotmagic is advanced servo based system, uses mechatronics from world's leader Siemens, Germany and Baumuller, Germany and has following significant components:



Heavy duty compact Gear Box

Customization for ultimate perfection

Cotmagic provides specially designed compact gear boxes as per ring frame specifications which simplify the mechanism, retain durability & sustain its best performance.

Servo Motors & Drives

Low maintenance and high precision

Cotmagic is equipped with special quality dynamic, brushless servo motors with latest generation motion control technology which precisely controls

- Speed
- Acceleration & Deceleration
- Torque

This ensures dimensional accuracy as well as adequate strength of slub. Servo motors with inbuilt resolver system works on feedback principle to guarantee none slub missing problem.

Features

Maximum Performance - flexible and reliable

Covers variety of fancy yarn : normal slub, slub over slub, negative slub, multicount, multitwist and coactions of all patterns into single multieffect yarn for wide range of counts starting from 4 Ne

Can be retrofit on any type of ring frame with any type of drafting system

Two in one i.e. two ring frames can be driven with one single controller

Easy switch over between fancy and normal yarn, requires only few minutes. (E-draft)

100% reproducibility of the effect

Longer slub yarn program up to 2000 steps to ensure no pattern in the fabric

Accept the programs in excel sheet. No special skills required for making programs

Special quality dynamic servomotors

Latest motion control technology with drives cliQ technology

Hi-speed electronics controller

15" colour TFT touch screen for human machine interface

Very high memory capacity to store more than 10,000 programs

Networking and production data monitoring software available as optional

Spare parts easily available all over world

User-friendly

MS-Window compatible software

Specifications

Minimum Slub length = staple length in case of synthetics and upto 75% of fibre length in case of cotton

Slub, Multi-count, Multi-twist & all effects in one program possible

Minimum thin place after slub, thanks to dynamic servo motors and efficient transmission mechanism

Designed to suit power & atmospheric condition in subcontinent

Fancy Manager-Strong Program editor, making slub programs was never so easy

Display of alarms, trends & logs

Cotmagic Models

Committed to performance & flexible to adopt

Cotmagic offers flexibility in providing various models depending upon the length of machine in terms of spindle capacity as well as fancy effects to be produced. With Cotmagic, it is possible to connect two ring frames to single Cotmagic control panel to produce entirely different yarns on two different frames.

Cotmagic furnishes various types of models and variants which are capable of producing various types of fancy yarn.





Slub devices

(Slub, Multi Slub)

- a) Cotmagic 500 SL- Slub attachment for one short ring frame of maximum 720 spindles
- b) Cotmagic 500 SL-2 Slub attachment for two short ring frames of maximum 720 spindles with one Cotmagic control panel
- c) Cotmagic 1200 SL Slub attachment for one long ring frame from 720 spindles to maximum 1440 spindles
- d) Cotmagic 1200 SL-2 Slub attachment for two long ring frames from 720 spindles to maximum 1440 spindles with one Cotmagic control panel

Multi-Effect

(Multi Slub, Multi Count, Multi Twist)

- a) Cotmagic 500 MT Multieffect attachment for one short ring frame of maximum 720 spindles
- b) Cotmagic 500 MT-2 Multieffect attachment for two short ring frame of maximum 720 spindles with one Cotmagic control panel
- c) Cotmagic 1200 MT Multieffect attachment for one long ring frame from 720 spindles to maximum 1440 spindles



A glimpse of the Comprehensive range of Infrastructure



Customer satisfaction

Inovation by co-creation

Over the years, Softech has managed to add quite a number of elite clients by providing innovative solutions. The quality and durability is simply unmatched that has helped us to grow and retain the customers. In today's competition age, it is very important to provide something new and latest for sustaining in the market. By co-creatin with customers, Softech has effectively done that.

ARVIND



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Siyarams

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INDUSTRIES LTD

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Innovation by Co-Creation



Re
the

Feel the
magic



Future of
fashion





The new
cult of youth

defining
global fashion





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