

# Amsler-Tex: Slub yarn devices for spinning machines

Amsler Tex from Switzerland excels in the development, production and marketing of devices for the manufacturing of slub yarn on ringspin or open-end frames and core yarn. Amsler is represented in Pakistan by Moonaco.

AMSLER-TEX AG is a Swiss company specializing in the manufacture of fancy yarn and elastic yarn production equipment along with the corresponding software. The machines can be used as additional equipment to spinning lines of almost any type and make for the production of high-quality special yarns. About 2800 installations are successfully operating in a variety of major yarn production plants all over the world. The sales program includes machines for the production of fancy yarns on ring spinning frames and OE spinning machines and a highly automated system for the production of top-quality CORE yarn. In addition, AMSLER-TEX provides the required software and corresponding programming equipment for the development of effect yarns.

According to Amsler, many textile experts all over the world refer to slub yarn as «Amsler yarn, the Golden Standard» and these spinners rely on Amsler Tex technology because they benefit from (i) increased spinning performance, (ii) higher efficiency on the loom, (iii) lower maintenance cost and (iv) the countless possibilities to develop new innovative yarns. The development of new varieties of slub yarn for fashionable fabrics allows spinners or integrated textile groups to reinforce their relationship with their customers by providing not only commoditized "normal" yarn, but also high-quality, value-added products.

## Effect yarn devices for open-end and ring spinning frames

AMSLER control devices can be used with almost any kind of spinning frames. The principle is based on a microprocessor-controlled servomotor system, which controls the spinning process. All yarn effects produced with AMSLER devices are 100% digital programmed and fully reproducible. Optimal there is the AMSLER E-PROFI Development system combined with the AMSLER Network which can be connected to all effect spinning frames.

### The Slub yarn devices can be categorized as follows:

- ❖ OPEN-END effect yarn devices: ground slub and multi-twist-effect.
- ❖ RING SPIN effect yarn devices: ground slub, multi-count and multi-twist-effect.

### Some of the advantages are given as under:

- ❖ Dynamically formed effects with regular begin and end.
- ❖ Breaking strength of effect yarn is almost equal as normal yarn.
- ❖ Effect frequency up to 200 slubs/minute.
- ❖ All spindles can be used for production, no change wheels, no wear and tear on parts.
- ❖ Programming at terminal, system independent of production. Transfer of effect programs onto AMSLER MEMOCARD or AMSLER Network.
- ❖ Flexibility with modular system offering options for long ring spinning frames up to 1200 spindles or semi-worsted spinning frames, as well as OPEN-END frames up to 312 rotors.



## AMSLER-TEX CORE-yarn

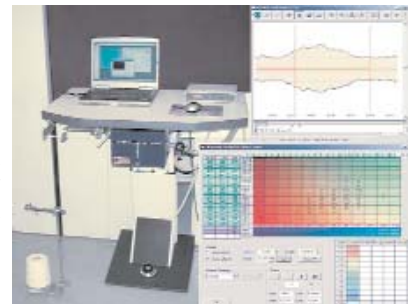
The AMSLER CORE-yarn system design is based on 35 years of worldwide experience in converting RING- and OPEN-END frames for high quality special yarns thanks to modular components, flexibility and customized equipment. Since long time simple mechanical CORE YARN devices are well known on the market. Nowadays the high quality CORE YARN market requires more advanced solutions with features like:

- ❖ SUPERVISION of each filament by means of SENSOR insertion arm.
- ❖ Precision INSERTION of filament with traversing rail system fully synchronized with middle and input conductors by processor-controlled traversing drive.
- ❖ CAN-BUS controlled ALARM MONITORING system per spindle, per each segment and RSM.
- ❖ ROVING STOP MOTION: It stops automatically the fiber flow when a filament break is detected - on every single spindle.
- ❖ Servomotor drive gear for the filament delivery with electronic online draft adjustment.
- ❖ Neutral DESIGN which is predestinated for any type of ringframes and gauges from 70 to 90 mm.

There are some more options to bring the system to complete perfection, examples include: Network DATA SYSTEM for the production control and QUALITY status record and printout.

## The new AMSLER E-PROFI System

AMSLER is one of the leaders in the EFFECT and CORE YARN business is continuing their vision and focus into the future, launching their latest product E-PROFI for the top quality Effect Yarn producers in the world.



The E-PROFI is an overall organization software tool for the professional Effect Yarn production according to the worldwide AMSLER Standards and guidelines.

The E-PROFI system is modular and available in four (4) customer oriented levels, based on the AMSLER database (ADB).

- ❖ Handling and editing of all spinning parameter charts and Effect yarn programs, quality control matrixes and statistics, including the Fabric-Preview online in combination with the entries of the effect creation settings.
- ❖ Guideline for Effect pattern development with the integrated WinPK® II system, enabling a direct preview of the warp and weft slub distribution.
  - ❖ Real Quality control of Effect yarn with the new AMSLER scanner and laboratory software SLUB VIEW for the efficient production control and assurance.
  - ❖ The ADB Database controls and manages the file organization, search and edit of all relevant documents.
  - ❖ Effect yarn classification and AMSLER certification according to the world wide accepted AMSLER standards.

Courtesy: [www.amslertex.com](http://www.amslertex.com). ♦