



Texparts® PK SE Series – The most sophisticated and flexible pendulum arm

by Joachim Herzig, Product Manager Drafting Systems, Oerlikon Textile Components.

Oerlikon Textile Components with the product line Texparts has again set the pace with the most sophisticated and flexible pendulum arm available in the market. The concept for the new series was easy. From all only the best combined with technology competence, innovative assembly methods and absolute perfection. This, among others, ensures the premium quality of Texparts® Drafting Systems.

Drafting systems have an essential influence on the yarn quality. Parameters like mass variation, thin/thick places, neps and hairiness as well as no. of ends down can be improved.

The installation of Texparts® Drafting Systems results directly in the reduction of labor and production costs, as well as better running properties in subsequent processes and enhanced fabric characteristics.

Product benefits

The six outstanding patented features of the new Texparts® PK SE Series (SE is a synonym for single element) have a direct impact on the spinning mill. The advantages of the SE Series can be described as follows: effortless in setting, drafting, fitting, adapting, handling and indicating.

Texparts® EasyDraft

Within the feature EasyDraft five sub-functions are integrated. Absolute independent working single elements for flexible settings of draft field distances. This allows an easy and variable adaptation to fiber properties and spinning requirements.

A constant yarn quality and improved process reliability are guaranteed due to the low load variations between the individual pendulum arms.

Because of the single elements used, only one element has to be replaced in case of damage. This allows the reduction of the stock and prevents mix-up.

Texparts® EasyDraft stands also for the possibility of an easy and quick conversion from a 3-roller to a 4-roller drafting system.

The easy and secure adjustment of the single elements guarantees low load variations between the pendulum arms. The parallel positioning of top and bottom rollers ensure very close nip points with included save guidance and anti-twist function as well as load indication.

The assuring facts for more flexibility are the five possible load steps with maximum load of 20 daN per element. Higher load empowers the spinning mill



Texparts® PK SE Series.

to already meet future technological demands. In addition the possibility of higher loads includes a reserve for difficult to be drafted fiber materials like e.g. highly twisted roving.

To fulfill the various requirements of the fiber material to be processed, the variable load adaption enables high technological flexibility, gentle treatment of cots and aprons, reduced wear of bottom roller bearings and reduced gear load.

The new top apron cradle concept with an individual apron tensioning system stands for low-friction and smooth apron running which will be enabled by the special surface structure and ideal combination of materials. Besides this the precise parallel positioning of top apron cradle and top roller is assured.

A long working life of the aprons is given by a low drive torque. But in case of a top apron exchange the simple concept enables time savings of up to 40%, due to the option of a replacement without the removal of the entire apron unit.

The concept ensures lowest possible stress on fibers during drafting plus gentle fiber guidance because of very close apron nip points.

Texparts® EasySet

This feature stands for an exact, time-saving, maintenance free, quick and very accurate height setting function of each pendulum arm. The precise and uniform settings allow for less variation of yarn quality from spinning position to spinning position.

Texparts® EasyFit

This feature stands for a secure fixing of the pendulum arm on the support rod.

It ensures a simple mounting on the support rod without any damages.

Texparts® EasyAdapt

The easy and flexible adaptation of additional components is ensured. Due to this flexible system spinners are already prepared for future requirements and add-ons.

A basic version with a holder for standard clearer rollers is available as well as an adapter cap for the fastening of other components like for core yarn spinning.

Texparts® EasyHandle

The eased handling is guaranteed by a new covered lever construction with antirust function. Little force is needed to open and close the pendulum arm.

Because of reduced strain while handling, the stress on functional elements will be lowered. This ensures a longer service life of the pendulum arm.

Texparts® EasyIndicate

The visual load indication is more than just a visual support for checking purposes of the alignments. It ensures a tactile setting of the load as well as the save latching into the required position.

Oerlikon Textile Components

Oerlikon Textile Components with its well established product lines Accotex, Daytex, Fibrevision, Heberlein, Temco and Texparts is one of the worlds leading suppliers of quality determining components for all filament and staple fiber spinning applications.

Highest quality and reliability are the common characteristics of all products. Continuous development ensures that Oerlikon Textile Components will always strengthen its leading position as the component supplier of choice to the textile industry.

Oerlikon Textile Components with manufacturing facilities and sales offices in the Americas, Europe and Asia is headquartered in Switzerland. A global network of experienced representatives ensures prompt service and close contact with customers in spinning mills as well as with the leading machine manufacturers. ♦