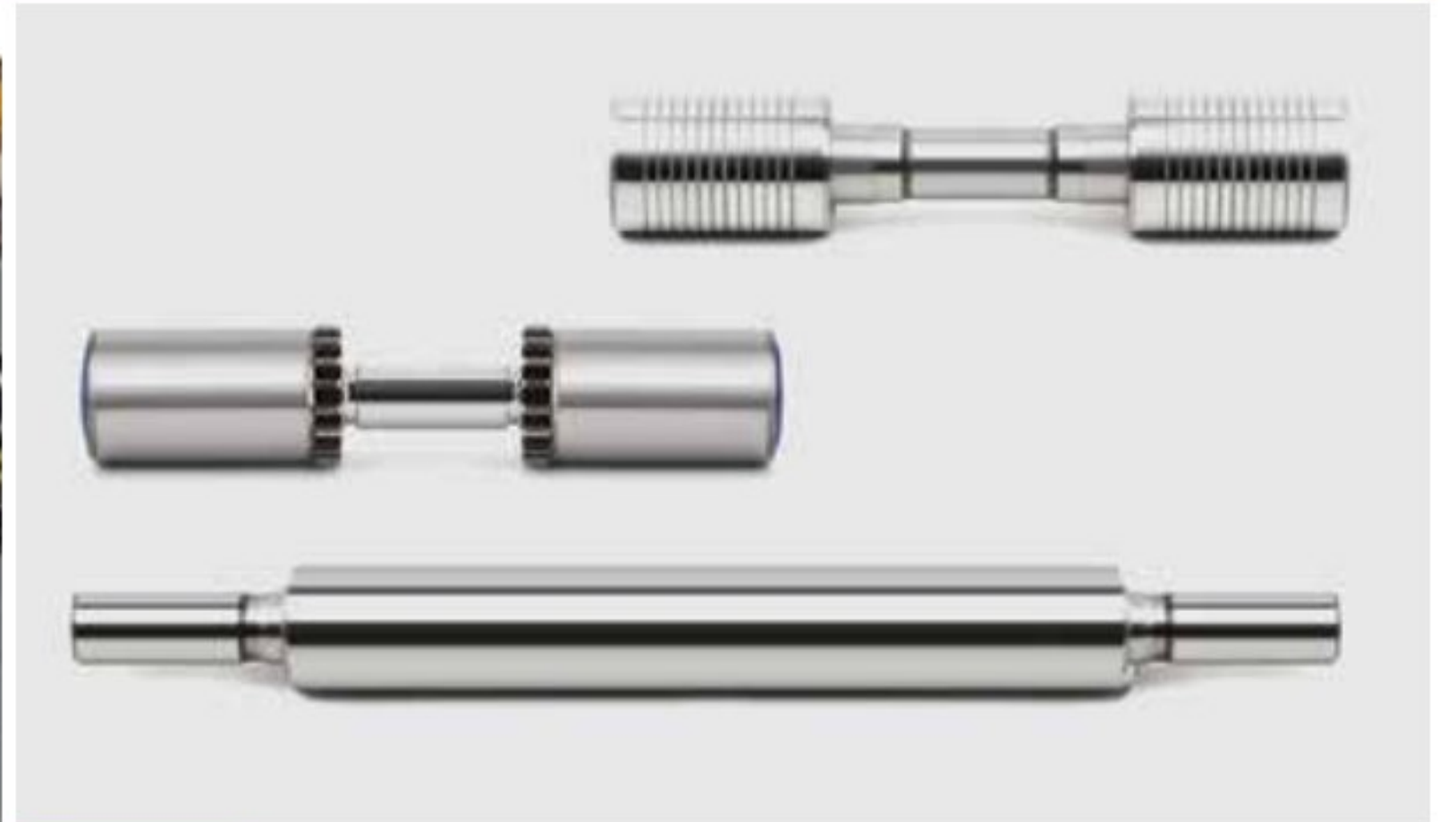




PRODUCT CATALOGUE

YARN TWISTING AND DOUBLING MACHINES P2
COST SAVING INNOVATIVE SOLUTIONS P6
BEAR TOP ROLLERS P10
COMPLETE TOP ROLLERS WITH RUBBER COTS P14

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Yarn Twisting and Doubling Machines

MADE IN TURKEY...

TWISTING MACHINES (Two for One)



(ERT-TFO101)

Tailor made design and structure to meet specific needs and capacity required by the customers.

- Optimum best quality in cross winding
- Minimum power consumption
- High productivity, reliability, flexibility
- Low noise level
- Easy set up
- Minimum maintenance
- Very short installation and commissioning period
- Optimum level in Cost & Performance balance
- Minimum friction - maximum quality with the yarn guiding elements during twisting process...

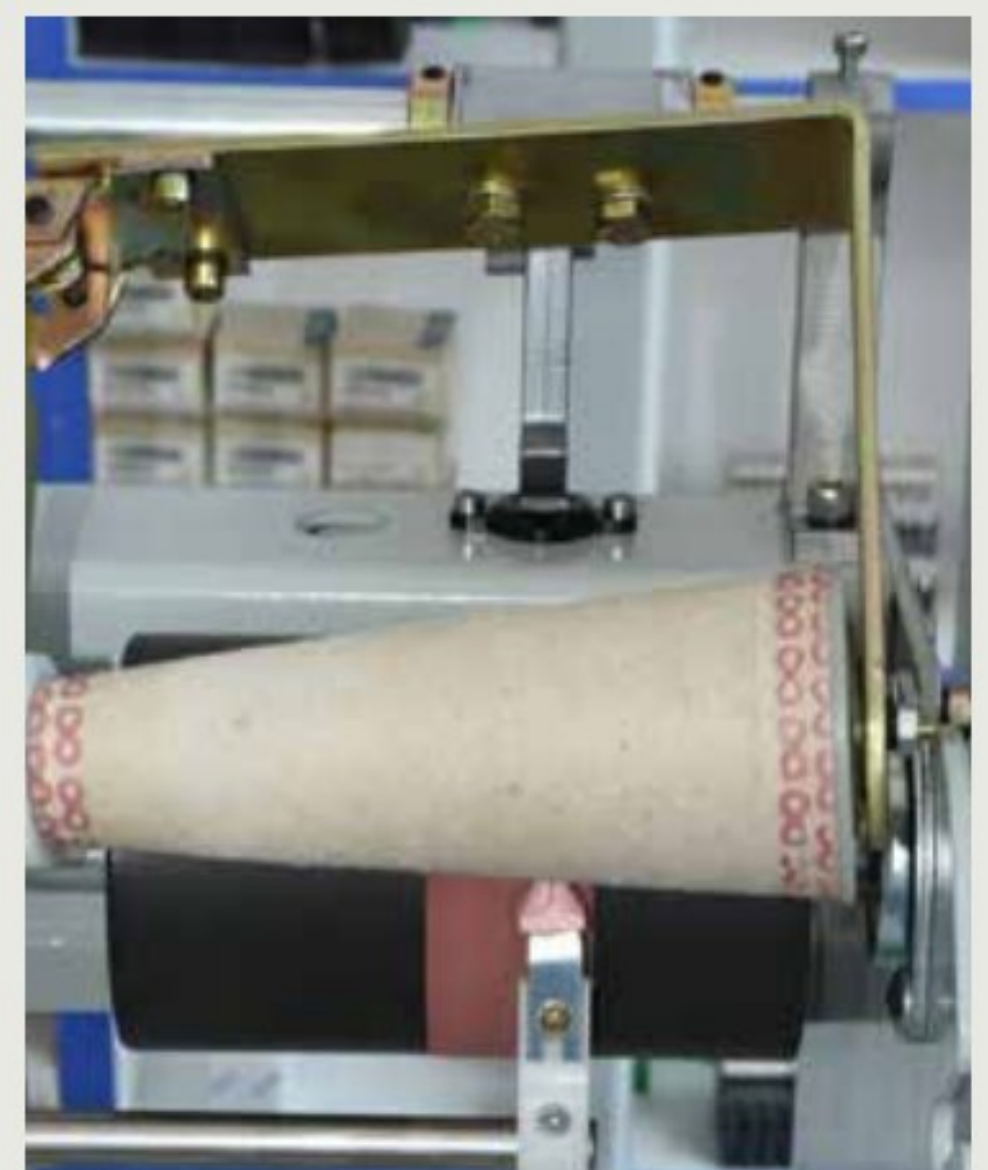


- **Optimum quality on bobbin winding:** The variation of twist among the spindles is at negligible level. The twist variation among the spindles is minimized by the tension pulleys, whose quantities have been increased, set in to centralized spindle driving system by tangential belt.
- **Energy consumption at minimum level:** Installed power / Energy consumption, 4,75Kw (for 27 position machine) / 3,5Kw (actual consumption)
- **High flexibility;** on the same machine the tubes in various dimensions may be processed, regular cross sectional winding or soft winding for dye-cone may be applied, the number of spindle may be increased easily.
- **Low noise level**
- **Stabilization in yarn winding tension and easy setting;** the yarn winding tension setting may be applied easier and quicker comparing with conventional systems provided by specially designed yarn tension setting system.
- **Minimized maintenance cost limited with only periodical lubrication that is good enough;** an additional maintenance other than periodical lubrication have not been required for the machines running longer than 4 years. The components and parts used on the machine are sourced from the manufacturers who are specialists in their field proved by relevant certifications. Also, by such those reliable components and parts the maintenance requirement is minimized.
- **Very short installation and commissioning period:** It has very easy and less time consuming progresses in terms of the installation, commissioning and training. The term of start-up a 27 position machine is foreseen as maximum 2 days, under the normal working conditions.
- **The best cost&performance balance**
- **The spinning geometry optimised by shortening:** it has smoother friction spinning path comparing with the other conventional systems, this less friction contributes to yarn and winding quality, highly positive.



TECHNICAL SPECIFICATIONS

The Method of Yarn Piecing :	Piecing by guiding threads
Number of Position :	As many as the customer requires
Gauge:	225-254-290 mm
Range of Production Speed :	2.000-12.000 r/min
Twist Rate:	100-1.200 T/m
Twist Direction:	S and Z
Yarn Tension:	By module box
Winding Angle:	Conical sholder angle 3'30- 4'20 - 5'57- (cylindric shape)
Length of Yarn Bobbin Shoulder:	170 - 176 mm
Traverse Length:	160 mm
Yarn Bobbin Diameter:	225 mm



Yarn Twisting and Doubling Machines

MADE IN TURKEY

YARN RE-WINDING / DOUBLING MACHINES

(ERT-AKM101)



- **PLC control**
 - Easy setting by touchmatic control panel
 - **Individual systems for each position;**
 - Yarn breakage control system
 - Magnetic cutter
 - Mechanical tension system
- 0,12 Kw motor, Re-winding speed max.1.500rpm
- **Max. 4 doubling as per the need**
 - Ability to use as both re-winding process and doubling process.
 - **Winding lift 6"-8"-10" (optional)**
 - Equipped with PLC system that provides centralized control on individual production units and ability of setting the speed and counter over the control panel.
 - **Counter pressure pneumatic control (optional):** To maintain stability on homogenous winding
 - Offers solutions at minimum friction, maximum quality and low power consumption condition



Cost Saving Innovative Solutions

These are the solutions what have been developed by the technical specialists and the actual users who have long experiences in the practical factory conditions dealing with the requirements risen. These innovative solutions are underlined as a proven counter measures. These systems are reliable systems proved themselves by long run in practical factory conditions.

Yarn End Preparation System For Winding Machines

(ERT-UB101)

The yarn ends preparation systems on winding machines shall increase the maintenance requirement and thus the cost related by the frequent break downs under tough working conditions. By the innovative **“Yarn End Preparation System” (ERT-UB101) with the patent**, the efficiency can be increased and thus maintenance cost can be decreased.



WORKING PRINCIPLE OF ORIGINAL/ CONVENTIONAL YARN END PREPARATION SYSTEMS

By the function of reduction geared motor that is running the ceramic cutters through a transmission belt and by the simultaneous suction power generated by the main fan the yarn end on the bobbin is found and prepared for piecing.

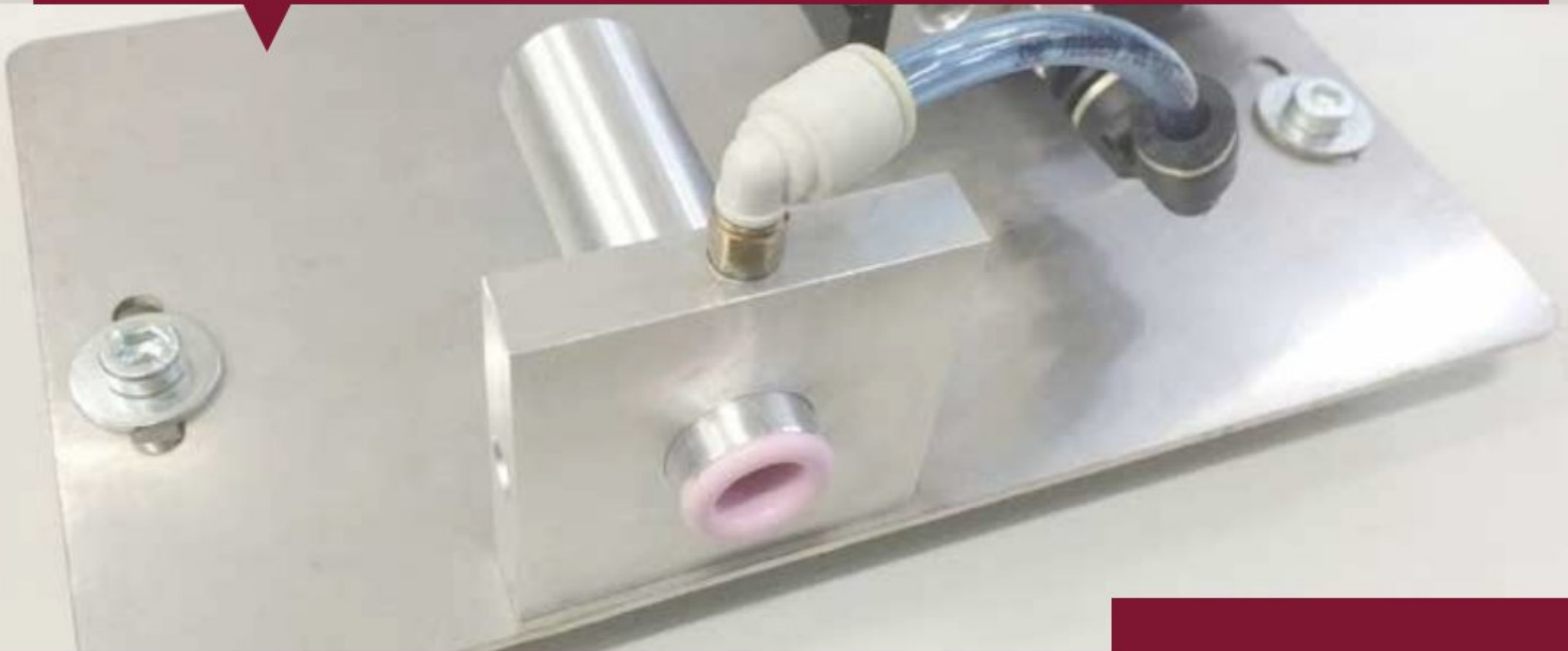
THE PROBLEMS ENCOUNTERED WITH ORIGINAL / CONVENTIONAL YARN END PREPARATION SYSTEMS

Since, the original/conventional systems are intensively equipped with the mechanical elements, such mechanical systems may have possibility with frequent break downs and thus drop of the entire machine efficiency. The mechanical systems consisting of bearings, belts, ceramics and metallic cutters may carry certain potential to cause troubles. The labor and the parts utilised to maintain the troubles may even be at higher side.



Yarn End Preparation System For Winding Machines

by (ERT-UB101) the efficiency is increased and thus maintenance cost is decreased.



WORKING PRINCIPLES OF THE SYSTEM DEVELOPPED

Newly developed yarn end preparation system turns the pressurised air feed by compressor in to suction power, at the same time the yarn with Z twist is processed by the turbulence set at the opposite direction of the twist and thus the bobbins with yarn ends found and prepared are made fully ready for next action.

By this new, patented system, the efficiency at CBF may be increased by 15%. It offers easy set up and applications, ready to be used. This system, that have been running for last 4 years, does not require any maintenance work.

THE COMPARISON BETWEEN ORIGINAL/ CONVENTIONAL SYSTEM AND NEWLY DEVELOPPED SYSTEM IN TERMS OF EFFICIENCY

The efficiencies of CBF's on the winding machines no.3 and no.4 are given in the table below in comparison:

SHIFT	MACHINE NO	ORIGINAL SYSTEM (%)	ADVANCED SYSTEM (%)
08:00-16:00	3	87,0	95,3
16:00-24:00	3	87,0	94,1
24:00-08:00	3	86,3	94,2
08:00-16:00	4	84,8	96,1
16:00-24:00	4	84,1	95,2
24:00-08:00	4	82,8	95,2

Efficiency Increasing Innovative Solutions

Optimization In Yarn End Finding System On Winding Machines

(ERT-UH101)

The fearless competitive market conditions have put to lower the cost of productions and to set efficient work on to a prior position. The working efficiency is increased by the innovative development made on bobbin yarn end finding system and it contributes to improving maintenance cost.

The working efficiency is increased by innovative solution applied on the yarn ends preparation system on winding machine and it considerably contributes decreasing the maintenance cost. By its specially designed structure, it finds the yarn end on cops without damaging the form of the cops and yarn itself and delivers the end in to tube making the cops ready to be processed.

- **The motion on the original/conventional system is set by only one single shaft. The problems with deepening in to bobbin and yarn cut caused by vibration may happen.**



- **Since, the vibration and centrifugal are eliminated by the motion set by two shafts on newly developed system the efficiency with yarn end finding is higher and thus increasing the productivity of CBF.**
- **By this easy and economical conversion, the increase in the entire efficiency on winding machine is maintained.**
- **Maintenance cost decreases and working efficiency increases.**



Easy set up and application; ready to use

YARN TUBE STRIPPING PRESS**(ERT-KS101)**

It is designed to strip the short yarn left on tubes off.

It strips the waste yarn left on tube without damaging the tube.

With that, the cops rejection ratio caused by the failure of yarn ends finding is improved by around 15% comparing with the other manual conventional stripping applications.

It eliminates the use of blade knife.

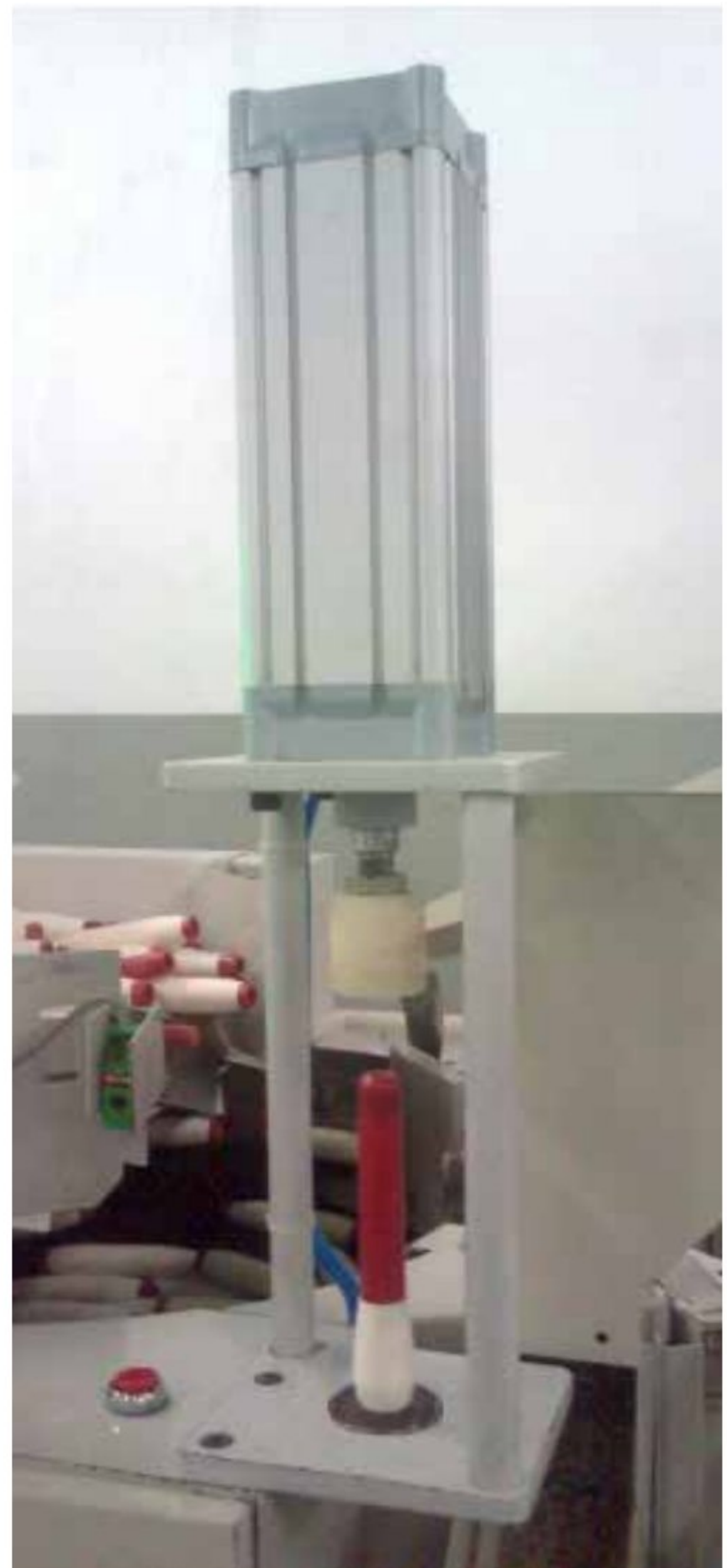
It does not damage the plastic tube and thus extends the working life time of the tube. More over, the failure with yarn end finding (FBE) caused by scratched tube surface falls down improving FBE.

Prevents the accidents at work to be caused by the use of blade knife.

It's running cost with power consumption, maintenance and labor cost is almost nothing comparing with the other big machines used for stripping.

It does not occupy an extra space, it just looks like a genuine machine component when it is on the machine and is esthetical.
'Ready-To-Use system'

It can service for two machines and runs as a single unit. It does not generate additional labor cost.



It does not occupy an extra space, it just looks like a genuine machine component when it is on the machine and is esthetical.

Bear Top Rollers (without rubber cots)

RING SPINNING FRAMES



APM-01



APM-02



APM-03



APM-04

ROVING FRAMES



APM-05



APM-06

tiKE

DRAWING FRAMES



APM-07



APM-08



APM-09



APM-10



APM-11

Bear Top Rollers (without rubber cots)

COMBING MACHINES



APM-12



APM-13



APM-14



APM-15

LAP FORMERS



APM-16

tike

OPEN-END SPINNING FRAMES



APM-17



APM-18



APM-19



APM-20

ALL KINDS OF BEAR ROLLERS FOR OTHER SPINNING PROCESS MACHINES



APM-21



APM-22



APM-23



APM-24

BEAR ROLLERS FOR AIR JET SPINNING SYSTEM



APM-25

Top Rollers With Rubber Cots (Ready to Use)

RING SPINNING FRAMES



APMK-02
TA-630 - 63 ° Shore



APMK-02
TE-650 - 65 ° Shore



APMK-02
CE-684 - 68 ° Shore



APMK-02
E-682 - 68 ° Shore



APMK-02
E-700 - 70 ° Shore



APMK-02
K-751 - 75 ° Shore



APMK-02
E-833 - 83 ° Shore



APMK-02
OE-851 - 85 ° Shore



APMK-03
TA-630 - 63 ° Shore



APMK-03
TE-650 - 65 ° Shore



APMK-03
CE-684 - 68 ° Shore



APMK-03
E-682 - 68 ° Shore

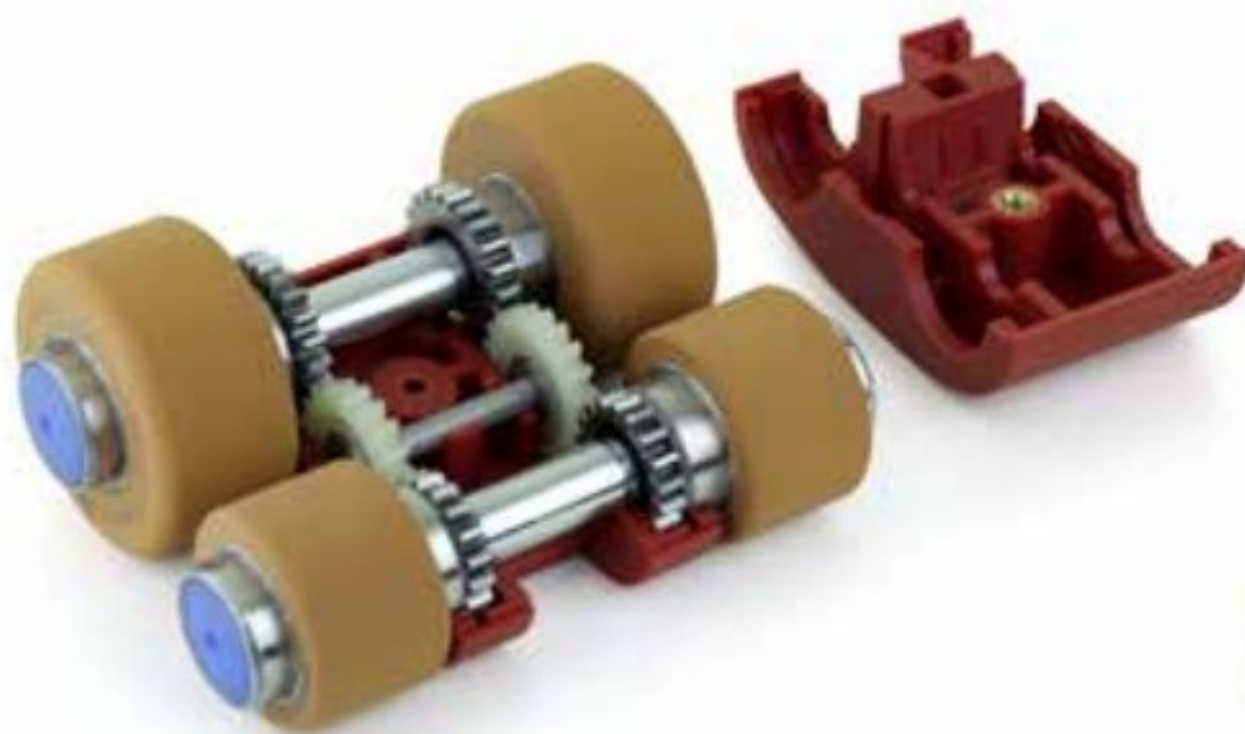


APMK-03
E-700 - 70 ° Shore



APMK-03
K-751 - 75 ° Shore

DRAFTING SET INCLUDING RUBBER COTS FOR COMPACT SYSTEMS



APS-01
TE-650 - 65 ° Shore



APS-02
TE-650 - 65 ° Shore



APS-03

ROVING FRAMES



APMK-04
E-750 - 75 ° Shore



APMK-04
OE-851 - 85 ° Shore



APMK-04
E-833 - 83 ° Shore

Drafting Rollers With Rubber Cots (Ready to Use)

DRAWING FRAMES



APMK-07
HG-650 - 65 ° Shore



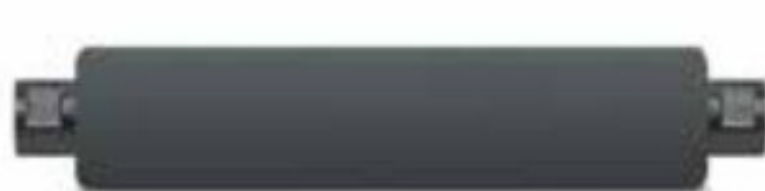
APMK-07
E-750 - 75 ° Shore



APMK-07
OE-851 - 85 ° Shore



APMK-07
PE-751 - 75 ° Shore



APMK-07
E-833 - 83 ° Shore



APMK-08
HG-650 - 65 ° Shore



APMK-08
E-750 - 75 ° Shore



APMK-08
OE-851 - 85 ° Shore



APMK-08
PE-751 - 75 ° Shore



APMK-08
E-833 - 83 ° Shore



APMK-09
HG-650 - 65 ° Shore



APMK-09
E-750 - 75 ° Shore



APMK-09
OE-851 - 85 ° Shore



APMK-09
PE-751 - 75 ° Shore



APMK-09
E-833 - 83 ° Shore

LAP FORMERS



APMK-16
E-833 - 83 ° Shore

Rollers With Rubber Cots (Ready to Use)

COMBING MACHINES



APMK-11
HG-650 - 65 ° Shore



APMK-11
TE-650 - 65 ° Shore



APMK-13
E-750 - 75 ° Shore



APMK-13
E-833 - 83 ° Shore



APMK-13
HG-650 - 65 ° Shore

RING SPINNING & ROVING FRAMES / IF



IFZ-001



IFZ-002



IFR-001



IFO-001



IFO-002



IFO-003



IFO-004



OES-001

Machine Spare Parts

RING SPINNING & ROVING FRAMES / IF



IFZ-003

IFR-003



IFZ-004

IFR-004

IFO-006



IFR-005

IFR-007

IFR-008

RING SPINNING & ROVING FRAMES / IF



IFR-009



IFR-010



IFR-011



IFR-012



IFR-013



IFR-014

RING SPINNING & ROVING FRAMES / IF



ROVING TUBES



RING TUBES



YARN DYEING TUBES



BOBBIN HOLDERS

DRAWING & COMBING FRAMES - CP



CPR-005



CPR-006



CPR-007



CPR-009



CPR-010



CPR-011



CPR-008



CPR-001



CPR-002



CPR-003



CPR-004

Machine Spare Parts

CARDING MACHINES - T



TR-002



TR-003



TR-004



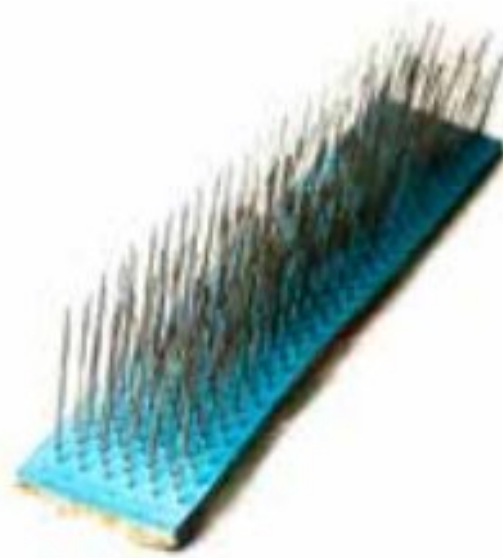
TR-005



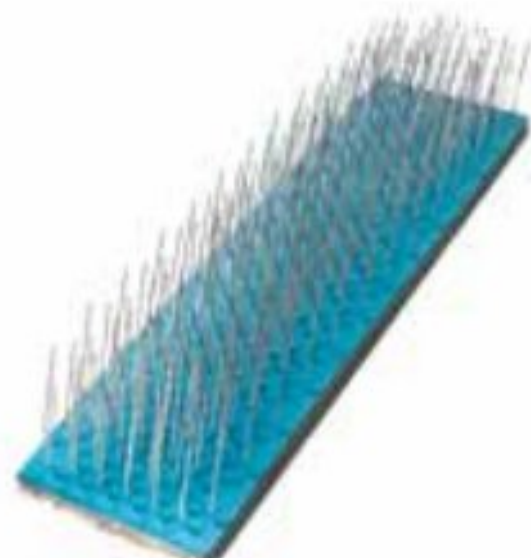
TR-006



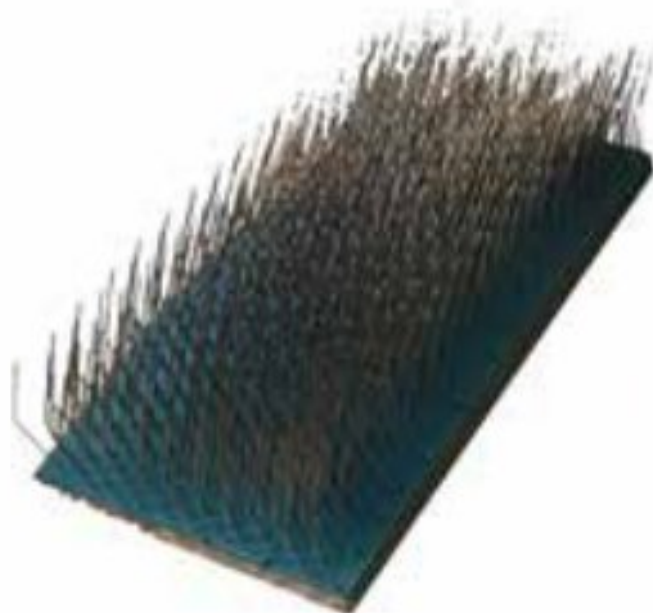
TR-007



TR-008-AP



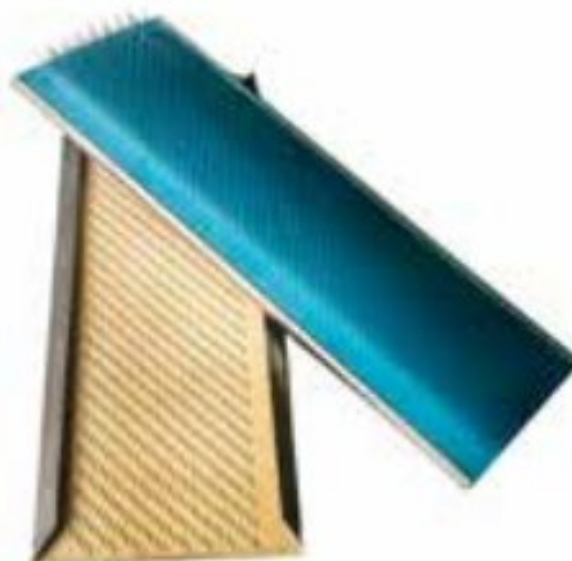
TR-009-DP



TR-010-DS



TR-011-FT



TR-012-FT



TR-013-RC60-70

BLOW ROOM / H



HR-001



HR-002

WINDING & TWISTING MACHINES / BB



BBM-005



BBM-006



BBM-007



BBS-001



BBM-009



BBM-008

Machine Spare Parts

WINDING & TWISTING MACHINES / BB



BBM-001



BBM-002



BBM-003



BBM-004



BBO-001



BBO-002



BBO-004



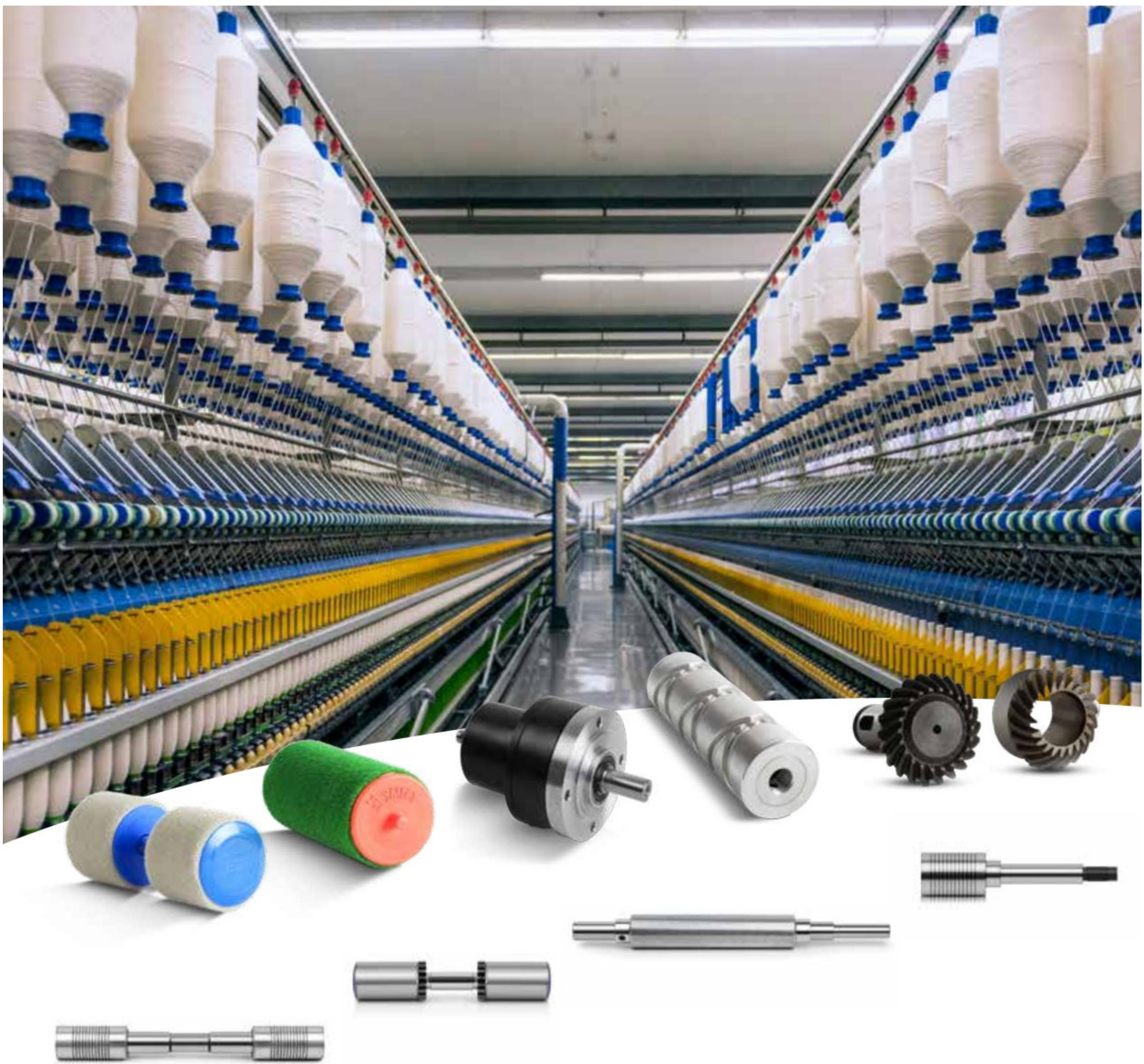
BBO-003



BBO-005



BBO-006



THE PRODUCT RANGE WIDENED CONSISTENTLY

Offering you comprehensive solutions with the proper options at very good cost&benefit balance by their "high quality" and "economical cost" for your requirement at your spinning facilities.

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tike



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