MILLENNIUM
PROFESSIONAL
Technology becomes EASY

TECHNOLOGY BECOMES EASY

Special yarns clearing requires high technological qualities, competency and specific experience. These figures are the ones which the Iteco worldwide success is grounded on and represents the reasons of the company amazing leading position in its market. Iteco's product performances, based on the above specifications, represent and have been always represented, the only one solution for targeting top quality and top efficiency in chenille and fancy yarn clearing.

Millennium Clearex main end is let the clearing becoming extremely easy.

The higher innovation of Millennium is the AUTOCLEARING automatic calibration software. Thanks to this feature, clearer program will be done in few seconds, just winding the yarn into the sensing head for some meters and no requiring operator's experience.

Also available on the Millennium the choice between automatic and manual calibration procedure.

ITECO MILLENNIUM: Chenille clearer easy and safe !

TOP PERFORMANCES AND TOP RELIABILITY

Millennium offers to yarn manufacturers the most complete clearing features, like:

- Thin sections (no pile, stripback), less than 1mm accuracy

- Thick sections (slubs, too pile, knots…) less 1mm accuracy

- Virtual clearing

- Independent programming every head

- Repetitive defects channel

- Passwords

- On-line yarn defects report
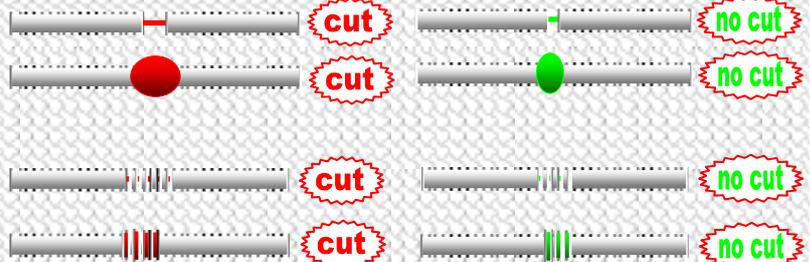
ITECO MILLENNIUM: max performance and efficiency.

PROFESSIONAL FUNCTIONS

Chenille **thin & thick sections** with **0.8 mm** accuracy and **on-line virtual clearing** with **0.1 mm** accuracy

Micro-defects storm under length accuracy clearing. **Little defects (0.1mm) repeating** in a short sections look like a standard defect on the fabric.

cut — cut — no cut — no cut
cut — cut — no cut — no cut

TOP QUALITY @ TOP EFFICIENCY

Iteco Millennium allows the production of a top level quality yarn, improving manufacturing times. Thanks to the Autoclearing function and to multi-channels programming, all the set up defects will be cleared out, with no false cutting; this means top quality @ the less possible cost.

MILLENNIUM UPGRADING KIT

Millennium Upgrading Kit allows your CLEAREX to become MILLENNIUM. Save money improving your CLEAREX with no needing to buy a new clearer.

GOLD RETROFITS MILLENNIUM

Millennium is also compatible with ITECO GOLD; the heads are 100% exchangeable with no needing of further more updating. So if you have a Millennium clearing system and you like to improve it with the Iteco GOLD, you just need to buy the GOLD Optical Unit. PLU and Data Station remain the same !

MILLENNIUM ACCESSORIES

Together with Millennium you can enjoy the following accessories:

Yarn brake with bracket (included): allows to adjust the right tension to the yarn to well pass through the clearer.

Second caliper (included): allows to get more sliding grooves to rum heavy or light yarn counts.

DUST PROOF CALIPER (optional): to work in heavy-dust environment with no needing of extra-cleaning of the glass. It can be retrofit as KIT in all the Millennium and Clearex models.
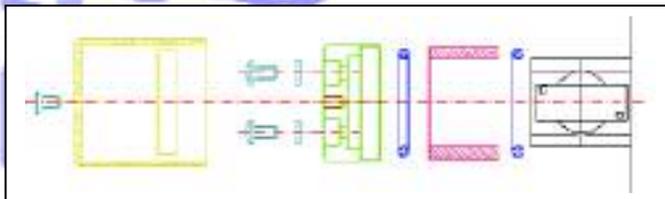
TWINAIR: (optional) Iteco automatic cleaning system to keep the Optics always clean.

W-STOP (optional): to interface the clearers with the winding machine, stopping the winder everytime operators do not work properly with the clearers.

MUX DATA STATION (optional): to work much more comfortably using Jumbo LCD display, internal printer, saving programs and reports as file. Compulsory to connect the Iteco Millennium to a Personal Computer.

BRACKETS (optional): to fix the Millennium to the most used winding machine on sale.

Power unit + Data Station

Peripheral linking unit

Twinair kit

Staffe mecatrici • Brackets

MUX - Data Station

MANUFACTURING EFFICIENCY with ITECO XQ-SYSTEM

Iteco MILLENNIUM helps a lot to improve manufacturing efficiency, thanks to the easiness of programming and using and the new way to put the yarn into the head.

But production efficiency can be supervised and improved more and more with the Iteco XQ-SYSTEM PC software for windows, that gives all possible production details easily and friendly.

XQ-SYSTEM connects the Millennium to a Personal Computer to remote control the clearers and getting all the available information about yarn quality statistics and production efficiency. Ask Iteco for further info about the XQ-SYSTEM.

CONFIGURATION

ITEM	CONFIGURATION
Data Station	Up to 48 clearers, 8 Linking Units
Linking Unit	Up to 6 clearers
Optical Unit	One per head; compatible with MILLENNIUM installations
Connection through RJ45 cables between Linking Units and Data Station; sealed cable from GOLD Optical Unit, ending RJ45.	

CLEARING CHANNELS

I.S.G.R.	Thick Section Sensitivity	I.L..F.V.	Thin Section Virtual Length
I.S.F.R.	Thin Section Sensitivity	R.L.G.R.	Repetitive Thick Length
I.L.G.R.	Thick Section Length	R.L.F.R.	Repetitive Thin Length
I.L.F.R.	Thin Section Length	R.L.G.V.	Repet.Virtual Thick Length
I.L.G.V.	Thick Section Virtual Length	R.L.F.V.	Repet.Virtual Thin Length

STANDARD DEFECTS				K = Min.Accuracy	
		SIZE		Range	
Chann.	Dimensions	mm	Inch	mm	Inch
I.S.G.R.	% to the caliper	XXX.X K = 0.5		000.0- 100.0 Circular	
I.S.F.R.	% to the caliper	xxx.x k = 0.5		000.0- 100.0 Circular	
I.L.G.R.	Mm/inch	XX.X K=0.1	X.XX K = 0.01	0.1/1.28mm	0.05 - 1.4yd
I.L.F.R.	Mm/inch	XX.X K=0.1	X.XX K = 0.01	0.1/1.28mm	0.05 - 1.4yd
I.L.G.V	Mm/inch	XX.X K=0.1	X.XX K = 0.01	0.1/1.28mm	0.05 - 1.4yd
I.L.F.V.	Mm/inch	XX.X K=0.1	X.XX K = 0.01	0.1/1.28mm	0.05 - 1.4yd

SPEEDS

		Min. Defect Length	Max. Defect length
V-MAX	1.200 mt/min	1mm	1.28 mt
V-MIN	50 mt/min	0.1mm (42umm)	53 mm