

# Novelties 2023



No limits in processing fibers

## HYPERTOP Flexible Flat

With its patented multi-zone setting pattern and optimized tooth geometry, HYPERTOP offers unparalleled good fiber savings of up to 0.5% while ensuring constant and optimal yarn IPI values.



Multi-zone setting pattern



Maximum PPSI for every application



High precision



Optimized flat height



Improved tooth shape



Strong wire

### Benefits

- Up to +0.5% good fiber savings versus resist-O-top C-55
- Yarn IPI quality at optimal constant or better level
- Payback within one month
- Higher card throughput or higher trash cotton possible

## TUCAN Carding Wire

Say goodbye to grinding with cotton and blends ≤ Ne 60. TUCAN Metallic Card Clothing has been specially designed to handle up to 1 100 tons of material without any grinding required.



Long tooth backbone



Elongated tip back



Stump tip angle



MULTISHARP alloy

### Benefits

- Grinding-free during 1 100 tons with cotton & blends ≤ Ne 60
- No grinding equipment, no skilled labor, no downtime, no maintenance, no trouble
- Yarn IPI quality at optimal constant level

## Ri-Q-Comb flex Circular Comb

This combined system from Graf circular comb and Rieter comb E90 delivers unparalleled performance and reliability, with optimized and consistent IPI values customers can rely on.



Surface treatment needle finish



CUTTYSHARP alloy



High performance tooth shape design



+ 8% in combing area & 130° combing surface



Lightweight single-Alu-body with integrated spoiler outlet on 40 mm shaft with counterweight



Height adjustable nipper distance (max. 1.05 mm)

### Benefits

- Graf as no. 1 in combs + Rieter as no. 1 in combers = best system
- Needle finish ensures best and constant IPI values & fewer winding cuts
- Best IPI & yield with +8% combing area and 130° surface
- 50% longer lifetime of CUTTYSHARP alloy minimizes investment
- Highest production rates (600 nips/min) ensured by robust lightweight design

## INOACOMB flex Circular Comb

With the innovative needle finish system, better IPI (imperfection) values and fewer winding cuts are ensured over the lifetime of the equipment.



Surface treatment needle finish



CUTTYSHARP alloy



High performance tooth shape design with 120° combing angle



Continuous & ergonomic height adjustment of nipper distance (max. 0.4 mm)



Lightweight single-Alu-body on 30 mm shaft with high-precision counterweight

### Benefits

- Needle finish ensures best and constant IPI values & fewer winding cuts
- Optimal IPI & yield with 120° combing surface
- 50% longer lifetime of CUTTYSHARP alloy minimizes investment
- Lightweight design & precise counterweight deliver high production rates (max. 500 nips/min)

## EasyTop Flexible Flat

Increase quality and save time. The innovative magnetic adhesion technology reduces downtimes by 30% during reclothing of aluminum flat bars.



Magnetic attachment of flexible flat on flat bar



Solid glued anchoring from the back

### Benefits

- Optimal carding gap resulting in best IPI yarn quality
- Reclothing on the card by mill's own staff
- 30% reduced downtime for reclothing
- No investment in equipment (DAM, DSM, DEW)
- No equalization grinding after reclothing (DEW)

## DAM 35 flex flat Service Machine

This 2-in-1 stripping and clipping machine for flexible flats delivers a precise and stable carding gap and allows a fast changeover.



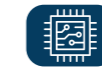
Upgraded stripping & clipping system



Multi-flat design roll



Stronger forces & vibration applied



Digital control of clipping rolls timing



Touch display



Laser light safety curtain

### Benefits

- Contributes to precise & stable carding gap
- 2-in-1 machine for stripping & clipping flexible flats of any kind
- Fast changeover from one flat type to another
- Safe workplace

## Recycling Card Clothing Packages

These new Recycling Card Clothing Packages enable mills to transform recycled cotton, cotton blends and man-made fibers into high-value yarns up to Ne 30.

### Benefits

#### Recycling Cotton

Cylinder	R 20 +30 X0,5
Doffer	M 46 +30 1 X1,0
Licker-in	V J2 50 +5 V 12
Flats	RSTO R-40/0-7 (also for EasyTop)
Stationary	Card specific

#### Recycling CO/MMF blends

Cylinder	R 25 +30 X0,6
Doffer	M 46 +30 1 X1,0
Licker-in	V J2 50 +5 V 12
Flats	RSTO R-44/0-7 (also for EasyTop)
Stationary	Card specific

#### Recycling MMF

Cylinder	P 20 +25 X0,6
Doffer	L 46 +40 X1,0
Licker-in	V J2 50 +5 V 12
Flats	RSTO R-44/0-7 (also for EasyTop)
Stationary	Card specific

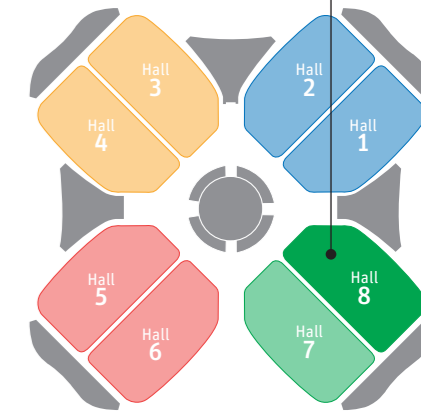
## Discover Graf Novelties, 2023

All the Graf novelties presented at ITMA Asia are designed to boost productivity, yield and sustainability, while reducing conversion costs.

Come and see what's new, review the entire range and explore solutions for every application:

**No Limits in Processing Fibers.**

## Graf novelties 2023 hall 8, booth D12



No Limits in Processing Fibers

