nsc fibre to yarn

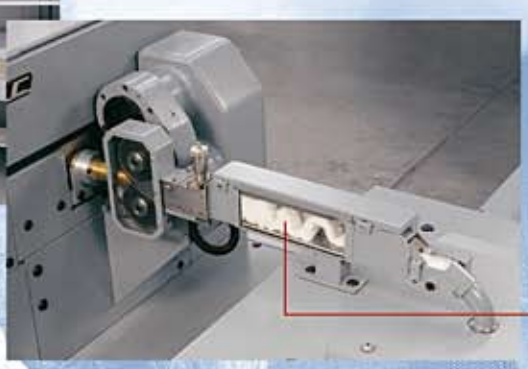
TT 12 converter

- Adjustable cutting device.

- The crush cutting precision in converting of tows of polyester, polyamide or polypropylene filaments
- The fibres characteristics are kept (crimp, resistance, lengthening, dyability)
- The oblique diagram can easily be modified and reproduced
- The short fibre and waste percentages are very low
- Productive, simple to use and safe, the TT 12 converter produces a quality sliver
- Delivery speed up to 300 m/min.

TT 12
converter

• The GC drafting head stands out by an optimal accessibility for service and maintenance.



• Feed creel with tow supervision.

• The crimping box produces a compact and resistant sliver.

Technical characteristics TT 12

Use	Crush cutting converting of chemical filaments tows of 50 to 1 20 ktex presented in boxes or in bales
Filament fineness	1.3 to 17 dtex
Alimentation	Creel with tow spreading-out system
Input load	Maxi. 240 ktex
Delivery	1 can Ø 1000 mm, height 1200 mm single end Automatic doffing with square motions
Filament separating set	Steel cylinder Ø 100 mm Rubber cylinder Ø 130 mm Pneumatic pressure at 4 bars: 17 daN/cm
Feeding set	Twin cylinders Ø 100/100 mm Coated cylinder Ø 130 mm Pneumatic pressure at 4 bars: 12.5 daN/cm
Cutting device	Steel anvil cylinder Ø 193 mm Cutting roller Ø mini 156 mm, maxi 168 mm Pneumatic pressure: from 700 daN for 3 bars to 920 daN for 4.4 bars
Cutting roller pitch	75, 88 or 105 mm
Hauteur diagram variation	CV (H) up to 35 %
Drafting head	GC chain gill
Delivery speed	Up to 300 m/min according to the material
Delivery weight	15 to 25 ktex
GC head feeding	By conveyor and pressure cylinders
GC twin feed cylinders	Ø 80 and 30 mm
Pneumatic pressure on GC twin feed cylinders	At 4 bars: 80 daN
Number of fallers on GC	144
GC faller pinning	4 round pins n° 16/cm 1/3 penetration
Pinned width on GC drafting head	270 mm

GC pinned field depth	200 mm
GC draft cylinders	Ø 30 / 62.5 mm - Pressure Ø 80 mm
Pneumatic pressure on GC draft cylinders	400 daN maxi
Nip distance GC pinned field to draft cylinders	32 mm
Distance GC feed to draft cylinders	336 mm
Pre-draft on GC	1.3 to 2.5
GC mechanical draft	4.5 to 7.4 by 5 % increment
First calenderer with pneumatic pressure	Bottom Ø 80 mm - Top Ø 80 mm
Crimping box calanderer	Bottom Ø 114 mm - Top Ø114 mm - Pressure: 200 daN
Crimping box	Shutter adjustable by spring
Noise level	Below 85 dB (A)
Compressed air	Should be dry, free from water and oil traces Pressure: 6 bars Instantaneous consumption: about 20 Nm^3/h Average consumption: about 10 Nm^3/h
Main motor	Asynchronous with frequency inverter
Main motor power	18.5 kW - 1500 rpm at 50 Hz
Suction motor power	3 kW
Servo motor total power	3.5 kW
Total installed power	About 27 kW
Net weight	8150 kg
Volume	46 m^3

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