



## Technical characteristics / TT12

Uses	Crush cutting converting of synthetic filaments tows of 50 to 150 ktex
Filament fineness	1.3 to 17 dtex
Feed	Creel with tow spreading-out system
Feed load	Up to 240 ktex
Filament separating set	Steel cylinder $\varnothing$ 100 mm Rubber cylinder $\varnothing$ 130 mm Pneumatic pressure at 4 bars: 17 daN/cm
Feeding set	Twin cylinders $\varnothing$ 100/100 mm Coated cylinder $\varnothing$ 130 mm Pneumatic pressure at 4 bars: 12.5 daN/cm
Cutting device	Steel anvil cylinder $\varnothing$ 193 mm Cutting roller $\varnothing$ min. 156 mm – max. 168 mm Pneumatic pressure: from 700 daN for 3 bars to 920 daN for 4.4 bars
Cutting roller pitch	75, 88, 105 mm
Diagram variation	CV(H) up to 35%
Drafting head	GC40 Chain gill
Delivery speed	Up to 300 m/min according to the tow specification
Delivery weight	15 to 25 ktex
Head feeding	By conveyor and pressure cylinders
Pre-draft on gill	1.3 to 2.5
First calenderer with pneumatic pressure	Bottom $\varnothing$ 80 mm – Top $\varnothing$ 80mm
Crimping box calenderer	Bottom $\varnothing$ 114 mm – Top $\varnothing$ 114 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 Consumption: 10 Nm <sup>3</sup> /h
Main motor	Asynchronous with frequency inverter
Main motor power	18.5 kW – 1500 rpm at 50Hz
Suction motor power	3 kW
Servo motor total power	3.5 kW

Total installed power	27 kW
Net weight	8150 kg
Volume	43 m <sup>3</sup>

\*All solutions and technical data subject to change. Performance depends on running configurations, applications and fibres.