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NSC Autolevelling Gillbox 'Cuthbert'

The Autolevelling Gillbox is essentially the same type of machine as Ralph the Gillbox and performs the operations of straightening, aligning and drafting fibres.

Cuthbert however can also perform a special operation of levelling or making tops very even. When tops have been combed (as per our comb called 'CLINT') they tend to be very unlevel due to the fact that the comb separates and rejoins the tops and creates thick and thin areas.

If we were to spin from uneven tops our yarn would also be uneven.

To level the tops Cuthbert employs a pressure device which can detect a thick and thin area. Once detected a clever mechanical device alters the draft rate as the fibre travels through the machine and can increase or decrease the thickness of the tops thereby making them level. After combing the tops will be gilled twice.



Levelling Device



Silk Blend Tops

Cuthbert can also blend components together and is particularly good at blending fine fibre and silk. He is fitted with finer pins ideal for making intimate blends of fibre and dispersing different fibre in the tops.

Cuthbert was my first machine and was rescued from being scrapped. He is so called because he whispered his name to me one dark night at the Mill.