

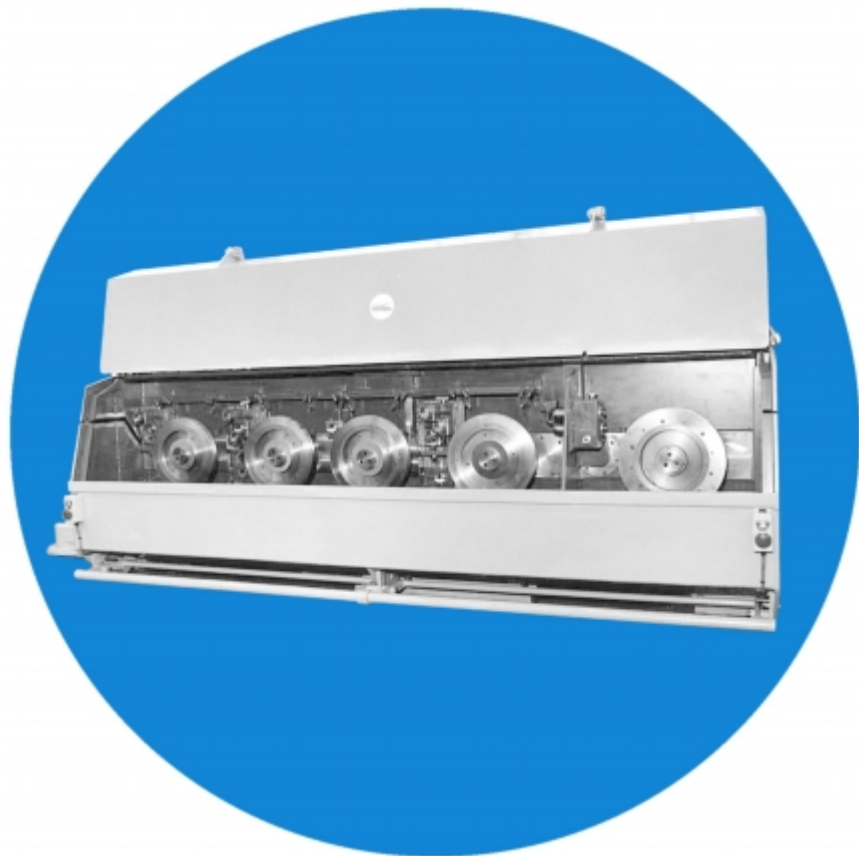


## Babcock Wire

### 5TC13 Wire Drawing Machine

This machine was specifically designed for high speed production of wire where floor space is limited. The 5TC13 is supplied with 4 three step pullblocks, a double finishing capstan and 13 die positions as standard. The use of a three speed gearbox on the capstan drive will give 6 wire finishing speeds. Alternatively a separately driven capstan gives a wider range of finishing speeds. Drafting is at a constant 26%.

The machine is constructed of a rigid fabricated housing comprising of four pullblock shafts and a capstan shaft. The capstan is supplied with two diameters and the pullblocks with three diameter steps. The pullblocks can be fitted with easily replaceable steel tyres, solid hard metal or ceramic as required.





## 5TC13 Wire Drawing Machine

All pullblocks including the capstan shaft assembly are completely enclosed.

All dies are located inside the machine and spray lubrication of the wire and pullblocks is employed, the dies being lubricated by jets at entry and exit. Feed and drainage pipes are provided for connection to the customer's lubricant storage system.

Depending upon duty, the machine can be supplied with an integral 3 speed gearbox, or with a D.C. motor, having a constant H.P. range.

The machine is fitted with a 2-step finishing capstan, which provides up to a maximum of six wire finishing speeds when utilised with the integral gearbox. When employing a D.C. drive having a constant H.P. range, the finishing speed is infinitely variable.

Lubrication to the gearing and bearings is provided by a motorised gear type pump which is electrically interlocked with the main drive to avoid damage in the event of a failure.

Standard equipment includes an inching pedal for stringing up the machine and a broken wire switch.

<b>General specification</b>	
Maximum number of dies	13
Drafting	26% elongation per die
Maximum Entry	9.5mm copper or aluminium
Finish Diameter	1.0mm to 4.1mm diameter
Pullblock diameters	482, 315 and 205mm
Maximum Die Case Accommodated	51mm diameter x 30mm thick
Maximum Finishing Speed	40 m.p.s.
Maximum Motor	400 h.p.
<b>Services</b>	
Wire drawing lubricant (maximum flow rate dependent upon duty)	1.8 m <sup>3</sup> /minute at 1.4 kg/cm <sup>2</sup>
Recommended storage capacity*	18 m <sup>3</sup>
Compressed air to operate front cover	0.028 m <sup>3</sup> @ 3.0 kg/cm <sup>2</sup>
*Note: Filtration with cooling facilities can reduce this volume	

### Disclaimer

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