



Injection Moulding Capabilities

Bloxwich is a group of companies that has been around for over 100 years. We specialise in the applied development of products and services. Using the knowledge acquired over that time we are able to offer a competitive and specific injection moulding output using state of the art robotic moulding machines.



Capacity

Our West Midlands facilities tend to favour 35-60 Tonne machines, but we are able to commission machines of any size to suit customer requirements, and our robotically operated machines ensure minimum down time.

Materials

Through working across so many industries, over such an extensive time period, we have worked with a huge amount of plastics, including Polypropylene, ABS, Poly-carbonates.

We are able to work with filled and unfilled as well as master batch and premixed types.

Engineering

Using the very latest CAD packages including SolidWorks Plastics, we are able to fully simulate the moulding process, using this information to specify materials, make tooling recommendations and eliminate issues before they occur in production.



Tooling

Bloxwich manufacture and store tooling on-site so we can quickly move between the manufacture of our own products and bespoke manufacture for other injection moulding customers.

Machine Specifications	Boy 35E Machines	Boy 60E Machines
Screw Diameter mm / inch	28 / 1.1	38 / 1.5
Screw L / D ratio	18.3	16.7
Max Stroke Vol in ³	3.57	8.31
Max shot weight in PS oz	1.88	4.37
Injection Force US Tons	11.11	18.81
Hopper Capacity US gal	5.28	5.28
Clamping Force US Tons	38.5	66
Distance between tie bars inch h X v	11 x 10	14.17 x 13.19
Max Opening Stroke (adjustable) mm / inch	300 / 11.8	400 / 15.75
Max Mould Weight lb	485	882
Ejector Stroke (max) mm / inch	80 / 3.15 (130 / 5.12) (150 / 5.91)	80 / 3.15 (130 / 5.12) (150 / 5.91)
Ejector force pushing / pulling US Tons	2.62 / 1.74 (2.62 / 1.74) (5.49 / 3.85)	2.24 / 1.48 (2.24 / 1.48) (4.69 / 3.3)

Bloxwich Group offer a range of products and services, please contact the sales team for more information or visit our website.

For more information specifically on our injection moulded products and our injection moulding capabilities please contact our sales team.

