Printed Forms and Invalid Geometry .

Sourced from interest in a fusion of architectural forms , memories of heavy industrial machinery ,earlier career casting work , African cultural and fetish objects , Northern European pre -Christian Mythical objects ,fertility symbols and large engineering constructions and projects . Lead to a long series of experiments and trails to find a way to create a printed form in three dimensions. Often in the early days by printing on tissue and wrapping a form attached by glue with relief and silk screen imagery . But to print a form and imagery in one go was a futuristic dream , a science fiction I thought long into the future ,the application of the computer to printmaking made the dream take form.

The arrival of a means of turning virtual drawings into solid objects was a gifted answer to my early interests in making print works in 3D .In simple terms once a drawing is established on the monitor by the CAD software and the programme is happy it will built (print) through the printer , the form is sited at the best position and orientation for the printer to build the object by a combination of support and printed plastic material that well form in the 3d printer. This is achieved by a series of thin printed layers over a period of hours up to and beyond a day depending on the complexity of the original drawing and the printers software decisions on the best procedure for the printed materials usage .

The works are a combination of free invention , using the stick rules in a engineer drawing package but subverting the limits of system’s procedures. Each completed work is a wrestled printed form in functional invalid geometry of the mind.

Stephen Mumberson.