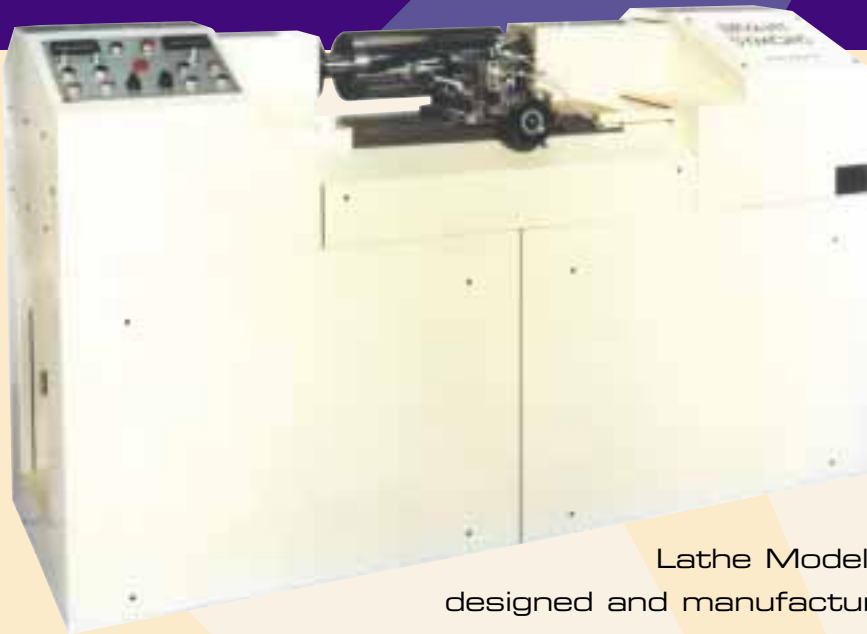
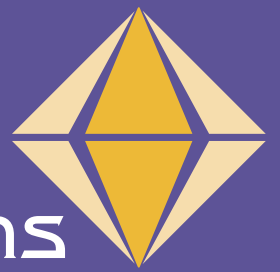


# BRYANT SYMONS OPC DRUM TURNING LATHE BS600 SERIES MACHINES

Bryant  
Symons

TECHNOLOGIES LTD



Standard model has a capacity of 200mm diameter x 480mm long with infinitely variable spindle speeds up to 10,000rpm. Large capacity machines can be manufactured to order.

The Diamond Tool Turning Lathe Model BS600 series lathes is designed and manufactured to the exacting standards of Bryant Symons Technologies Limited, for optimum accuracy and production of OPC copier drums requiring supreme surface finish and dimensional accuracy, using single point natural diamond cutting tools.

The mainslide bed is integral with the epoxy granite lathe bed giving exceptional stability and accuracy. Cross slide and tool post are attached to the prismatic mainslide. The drive system and operator controls and other services are mounted on the specially designed lathe bed.



An operator console is provided and can be mounted on the left hand or right hand side of the Operator. This Console contains all controls and the Tachometer for setting, operating the machine and setting the spindle speed.

The double tool post tool slide feed is by micrometer screw and handwheel with

increments of .005mm. The Diamond Tool Post is mounted on a base plate by leaf springs. The base plate is pivoted on the Tool Slide, and a fine adjustment, shown by a dial indicator, is provided to aid orientation of the Diamond Tool to an optimum cutting angle. A Microscope mounted on the Tool Slide is used to set the facet of the diamond.

The roughing Tool Post is independently adjustable of the Tool Slide and each division of the feed dial represents .025mm movement.

The Headstock and Tailstock Air Bearing Spindles are each located in a cast iron body which are mounted on the mainslide bed.

## World Class Precision Surfaces

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