The accumulation of pitch error over complete length of this 54 inch (1350m/m) lead screw:
±0.0003 inch (-0.0075m/m)
This is a typical example of work produced by this machine.

High Precision Screw Cutting Lathe

COVENTRY GAUGE & TOOL CO. LTD

TELEPHONE: COVENTRY 5571
FLETCHAMSTEAD

COVENTRY
STANDARD EQUIPMENT
Electric Motors and Control Gear.
Headstock and Tailstock Centres.
Set of Precision Cut Change Gears to cover six pitches.
Oil Guns, Spanners, etc.

EXTRA EQUIPMENT
Extra Change Gears.
Driving Plate,
14” (350 m/m) Face Plate Complete with Special Clamps.
6” (150 m/m) Face Plate Complete with Special Clamps.
9” (225 m/m) Chuck and Adaptor.
Pitching Handle.
Pitch Corrector (to be ordered with machine.)
Taper Attachment.
Fixed Steady. 1” (6 m/m) to 3” (75 m/m) dia.
Travelling Steady, 1” (12 m/m) to 3” (75 m/m) dia.
Internal Tool Block.
External Tool Block.
Lighting Equipment.
Microscope.
Coolant System.
Change Gear Plates for Long and Short Pitches.

DIMENSIONS AND CAPACITIES
Between Centres ... 18” (450 m/m) 48” (1200 m/m) and 72” (1800 m/m).
Swing over bed ... 15” (375 m/m).
Swing over Saddle ... 9” (225 m/m).
Taper in Workhead ... No. 4 Morse.
Taper in Tailstock ... No. 3 Morse.
Max. Pitch Recommended ... 1” (25 m/m).
Max. Taper ... 4” (100 m/m) per foot on dia.
Max. Spindle Speed ... 70 R.P.M.
Min. Spindle Speed ... 7 R.P.M.
Max. Return Speed ... 280 R.P.M.
H.P. of Main Motors ... 1/1 H.P.
Capacity of Coolant Pump ... 3 gallons (13.5 Litres) per min.
Capacity of Coolant Tank ... 21 gallons (112.5 Litres).
Approx. Nett Weight ... (18 cts.) 35 cwt. (48 cts.) 40 cwt. (72 cts.) 50 cwt.
Approx. Gross Weight ... (18 cts.) 50 cwt. (48 cts.) 60 cwt. (72 cts.) 70 cwt.
Approx. Shipping Dimensions ... (18 cts.) 37” x 68” x 60” (48 cts.) 37” x 98” x 60” (72 cts.) 37” x 124” x 60”.
Floor Space Occupied ... (1) 31” x 62” (775 m/m x 1550 m/m).
(2) 31” x 92” (775 m/m x 2300 m/m).
(3) 31” x 118” (775 m/m x 2950 m/m).
Total Height ... 54” (1350 m/m).

Toughened steel universal external Tool Block.
6 inch Precision Face Plate and Standard Driving Plate.
Rigid 3-point Fixed Steady.
Internal Tool Block with eccentric Bush for accurate setting of the tool height.
Lever for hand rotating the Lead Screw for setting up purposes.
1/4 inch Precision Face Plate with hardened and ground Clamp Blocks for internal Work.
Viewing microscope essential for Fine Pitch work.

COVENTRY GAUGE & TOOL CO. LTD
TELEPHONE: COVENTRY 5521 FLETCHAMSTEAD, COVENTRY.
TELEGRAMS: GAUGES, COVENTRY.