

## DIAMOND BURNISHING TOOLS

- Eliminates grinding and polishing
- Produces ultra-smooth surface finish
- Slim-line design for tight areas
- Replaceable diamond stems
- Simple to use
- Affordable for all shops



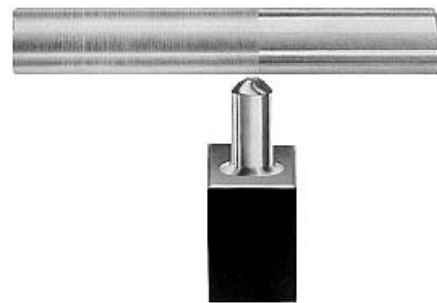
Diamond Tool S2300-00

### Obtain an ultra-smooth surface finish!

All Elliott Diamond Burnishing Tools are made with selected diamonds which will burnish turned or ground surfaces of most metals to a high-quality, 2 to 8 microinch finish. Cast iron can be burnished as low as 15 RMS.

### Slim-line design!

The slim-line design has a 3/4" shank. This makes the tool ideal for smaller lathes and allows for close approaches. The offset design sets the tool on correct centerline. The diamond burnishing tool is now available with a 1" square shank; tool number S2300A00. It is also available in a kit; part number S2300AKIT.



Shows typical diamond tool at work.

### Easy to use!

The tool mounts in the tool post of a lathe or turning center. The tool holder is set so that the diamond contacts the work at the center of the part at a 90° angle to its surface.

The Diamond Burnishing Tool is used in linear applications. As the part is turned, the diamond, under spring pressure, is fed across at a feed rate of .003" to .004" per revolution at a maximum of 750 SFM.

### Economical and affordable for all shops!

The Diamond Burnishing Tool offers a low-cost method of finishing parts under R40 to a 2 to 8 microinch finish. The tool has a disposable insert with a precision ground natural diamond mounted on the tip. When the diamond wears, the diamond stem is easily replaced.

The Diamond Tool can burnish interrupted surfaces. This is accomplished by setting the internal spring mechanism to allow a maximum of .005" movement during burnishing.



Diamond Kit S2300-Kit