METHOD FOR DETERMINING INITIAL BURNISHING PARAMETERS

ABSTRACT OF THE DISCLOSURE

A method of determining parameters for a burnishing operation includes: using a rolling burnishing element to burnish at least two segments on a selected surface of a material sample, the segments having a common width (W) and overlapping each other by a preselected overlap value (OV); measuring the resulting hardness of the surface; and selecting a working overlap value (OV) for a subsequent burnishing operation on a workpiece (WP), based on the measured hardness.

Figure 1