

HERMETICALLY SEALED HARMONIC DRIVE TRANSMISSION MANUFACTURE

ABSTRACT

The present invention comprises a harmonic drive transmission assembly (10) for use in contamination free manufacturing fields such as computer chip making. The harmonic drive unit includes a flexspline (15) having a diaphragm at one end and an outwardly flared lip adjacent its other end which is integrally connected to a mounting flange. The flexspline including the diaphragm and mounting flange (22) are all integral with one another, all being machined from a single piece of steel bar stock.

Fig. 1