

APP NOTE

Applied Materials 9500 and Quantum Series MRS Vanes

- Reduced CoO
- Longer Part Life
- Extended PM Intervals
- High purity **graphite**
- Direct replacement for standard Applied Materials Components

Electro-Graph designed MRS vanes are direct upgrades to Applied Materials vanes and offer three significant improvements, all of which are designed to replace existing MRS vanes without any modification to the tool.

First, the Electro-Graph vanes are constructed using high purity graphite materials which have shown to be extremely resilient to beam strike. Depending on the species and trimming spec, many customers experience improved part life using the standard Electro-Graph vanes.

Second, Electro-Graph offers a slightly modified MRS Vane (called the Reinforced Vane) which is available with thicker beam defining edges to help the part last longer. Many customers have said that the big win with the design is the tools new ability to produce the same beam definition from first install to the end of part life.

Third, Electro-Graph now gives customers the choice in the graphite grade used. Currently there are two grade available, both of which have very positive lifetime results, but one is designed specifically to help keep particle generation at a minimum.

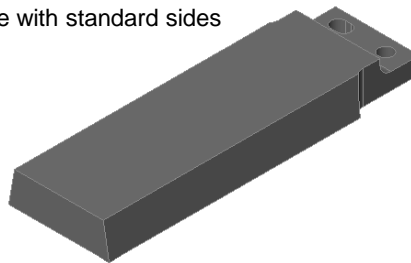
All of these parts will replace any of the following Applied Materials part numbers: 0020-82810, 0020-81268, or 0020-99710.

Assemblies

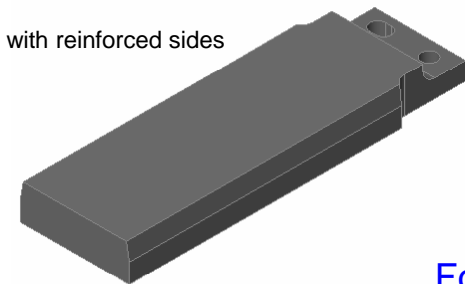
1.02.140 MRS

	Vane, MRS	Vane, MRS, Reinforced
Standard	65522	97827
Low Particle	90365	94018

Vane with standard sides



Vane with reinforced sides



Forward