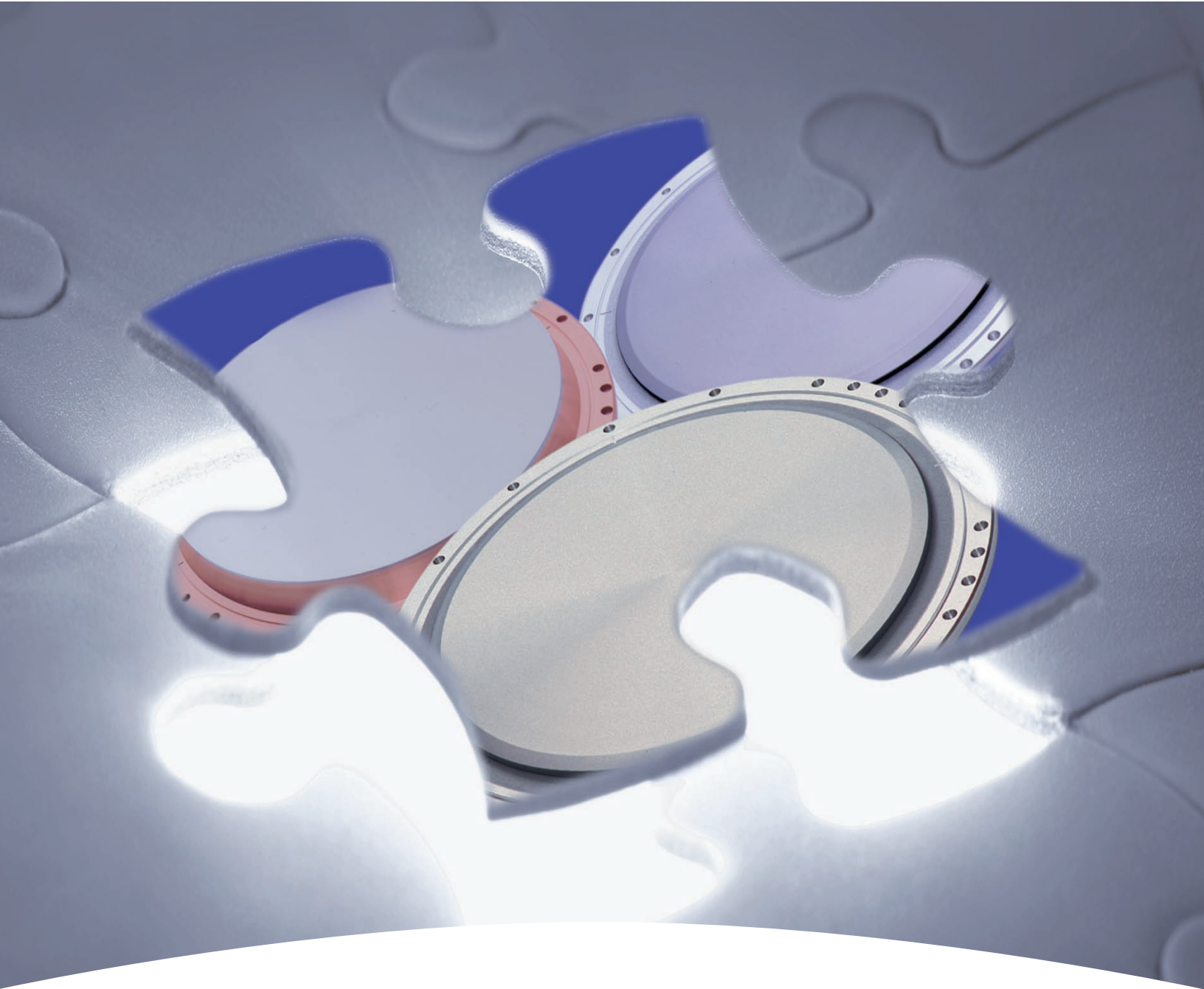




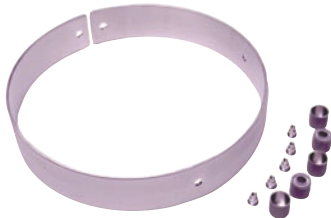
**Honeywell IMP  
Coil Sets**

# Honeywell Coil Sets

## HIGH PURITY IMP COIL SETS FOR VECTRA™ AND ELECTRA®\* PROCESS CHAMBERS

### BENEFITS

- High purity materials
- Wide variety of configurations
- High volume manufacturing
- Short development cycle time
- Controlled in-house fabrication
- Global service and support



Tantalum Coil Set

### OVERVIEW

Honeywell Electronic Materials is a leading supplier of high purity Ion Metal Plasma (IMP) coil sets for VECTRA and ELECTRA process chambers. Coil sets are consumable products that support IMP sputtering technology for physical vapor deposition (PVD) processing.

A full range of 200mm and 300mm coil sets in Titanium (Ti), Tantalum (Ta) and Copper (Cu), are available in a variety of configurations, purity and surface treatments. All coil sets are precision manufactured in our dedicated high capacity manufacturing area to exacting OEM specifications and quality standards.

Additionally, cleaning is performed in house in dedicated OEM certified cleaning lines. Materials are segregated to prevent cross contamination and the clean tanks are maintained daily.



Copper Coil Set

### APPLICATIONS

IMP coil sets are used together with sputtering targets in Applied Materials' VECTRA IMP and ELECTRA PVD sputtering chambers to promote directional sputtering. Coil sets are consumed in the process and are replaced during routine chamber preventive maintenance. Electron Beam (EB) welded configurations are one piece designs that are used in next generation IMP sputtering technology.

### FEATURES

- 200mm and 300mm
- Controlled grain size
- In-house cleaning
- Clean room packaging
- Tight dimensional control
- Well proven metrology and analytical capability
- QS-9000 and ISO9001:2000 certified



Titanium EB Coil Set

### COIL SETS AVAILABLE FROM HONEYWELL

#### Surface Finishes

- Knurled
- Bead Blasted
- Texture-free

#### Gap Closure Options

- Side by Side
- Over/Under

#### Configurations

- Standard (coil, pins, cups)
- Electron Beam (EB) welded

| MATERIAL | GRADE   | SIZE         |
|----------|---------|--------------|
| Ti       | 495, 59 | 200mm, 300mm |
| Cu       | 49      | 200mm, 300mm |
| Ta       | 395     | 200mm, 300mm |



RESPONSIBLE CARE®  
OUR COMMITMENT TO SUSTAINABILITY

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