



ibss Group, Inc.

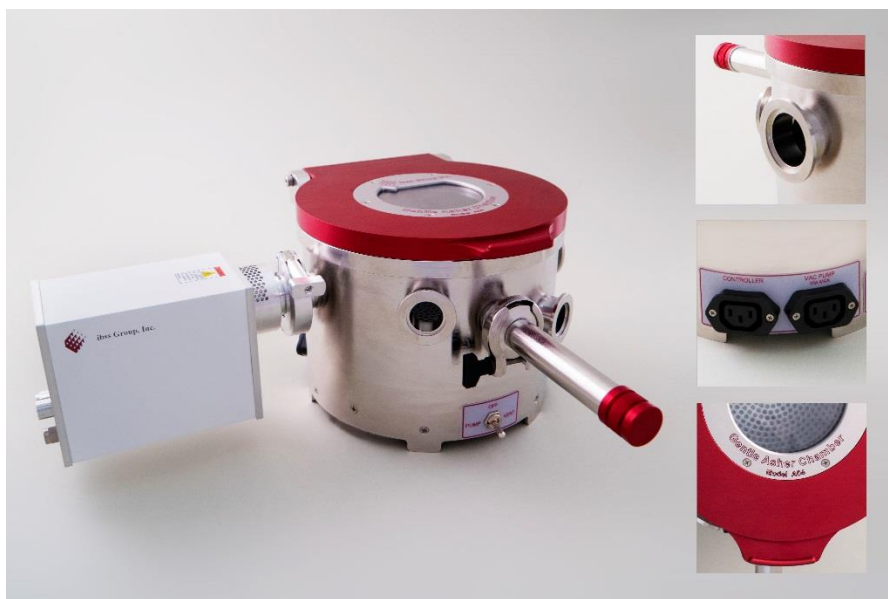
111 Anza Blvd • Suite 110 • Burlingame • CA 94010-1932
T: 650.513.1488 | F: 650.513.1884 | W: ibssgroup.com

GV/GA A04 Specifications

GV/GA is a bench top, customer assembled GV10x DS Asher w/ Gentle Asher A04 chamber to clean EM samples & TEM holders while providing an vacuum storage. Precleaning and storing samples and holders will minimize hydrocarbon contamination [HC] accumulation in EM chambers. The GV10x Asher source can quickly be shifted to contaminated EM chambers to eliminate e beam cracked HCs on samples.

The combination GV/GA delicately ashes surface contamination without damage to EM specimen topography. See ¹*Downstream Plasma Technology for Cleaning TEM Samples on Carbon Films*, Microscopy-Today, January, 2014.

The GV/GA is not a 'plasma cleaner' in the sense that plasma cleaners are known by electron microscopists¹. Plasma cleaners accelerate ion species that can sputter and etch specimen topography. Atomic oxygen or atomic hydrogen in the downstream eliminates hydrocarbons by chemical reactions without damage to specimens from heat and ion bombardment. Oxygen converts hydrocarbons into CO₂, CO & H₂O molecules that are pumped out of the chamber. HC free specimens prevent high resolution imaging degradation.



GV/GA A04 with TEM Holder & P5 Source



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GV/GA A04

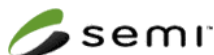
Item	Description
1	GA Chamber A04: Consists of S/S 8" Ø chamber, viewport lid, parameter selection via Controller or GUI, 3 position Toggle – Pump, Off, and Vent, 1/8" N ₂ vent, AC to Pump & Controller by VAC outlets, KF25 Pump Port, KF25/40 Ports, 3 TEM KF25 Holder Ports
2	GV10x DS Asher: Consists of a Plasma Source P525 and Bench Top Controller, MicroPirani, Cables, Variable Constriction, 0.5 µm inlet filter & GUI Software v2.0 w/ CD
Options	
3	Idp3 Scroll Pump & Foreline – [120v or 240v available]
4	Tip Seal Replacement Kit – for idp3 Scroll Pump
TEM Port Adapters	
5	FEI TEM Port Adapter
6	JEOL TEM Port Adapter
7	Hitachi TEM Port Adapter

Delivery: 4 weeks ARO

Warranty: Three Year Limited

Gentle Asher® & GV10x Asher® are ibss Group, Inc. Trademarks
Plasma Comparison¹ ibss Report

5.2016



SEMI S2-0706 / S8-0307 Certificate of Compliance
Document Number: 500158379F Issued: 2009-08-31



CB Test Certificate Ref. Number:
US/2134/TTS Issued: 2009-09-17