

1. JVX 7300HR-HQE

- Non-contacting, Non-destructive Technology
- Fully Automated Measurements and Analysis
- High-volume Fab Design
- Low Cost of Ownership
- Angstrom-level Accuracy and Resolution
- Layer Thickness, Density, and Roughness (XRR)
- HRXRD: Composition, Thickness, Strain, Relaxation

Item	Qty	Part Number	Item	Description
1	1	JVX7300	JVX7300	JVX7300 metrology platform for 300mm wafers. Performs direct measurements on patterned wafer features
2	1		Ballroom Configuration	Ballroom Configuration
* HRXRD Channel				
3	1		HRXRD Adv Channel	HRXRD Advanced channel. monitoring Strain, relaxation, SiGe composition% & thickness for blanket or product wafers, including full SOI support.
* XRR Channel				
4	1		XRR Vega 2nd Channel	XRR Channel (as a 2nd channel) - source and optics provide <= 10nm (FWHM) spot. Automatically controls spot size for scribe line measurements for small pad size 600um*45um.
5	1		Disabling XRR Channel	Disabling XRR channel functionality on this tool per customer request
* Software Options				
6	1		JV HRXRD offline sw	HRXRD modeling software for offline use. Simulation / refinement. One license per unit.
* Handler & Automation Options				
8	1		Mini Environment for Dual Load Port	Mini Environment for Dual Load Port, 300mm, 2 RF Tag Reader, 2 DeviceNet for RFID Reader, Ionizer Kit and Internal light kit
9	2		VISION Loadport with Door mapper	Brooks "VISION" Loadport with door mapper (instead of standard Loadport = item #8)
10	1	AC00003	300mm Automation - SECS/GEM package	Full 300mm Automation package from Cimatrix. Includes material state information in addition to recipe and data automation.
11	1	AS00241	E84 Automation	Factory-installed E84 Automation kit for OHT. Supports two load ports.
* Hardware Options				
12	1		Chamber Laminar Flow	Metrology chamber FFU
13	1		Brackets	Earthquake brackets kit
14	1		HPO-NR	High Performance Optics for higher throughput and noise-reduction slits for improved dynamic range - included FOC in new configuration
SUBTOTAL				
GRAND TOTAL				
15	1		Advanced HQE Detector (factory installation)	Replacement in factory of the standard detector with a High Quantum Efficiency detector for ~2X throughput
GRAND TOTAL (WITH HQE)				