



Draft

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## Quotation

Quotation Number: 7760700644  
Customer Number: 2083165

Carl Zeiss Australia New Zealand would like to offer you the following system package for semi-conductor wafer inspection.

This system will be built around our modular Axio Imager.Z2 Vario platform, which allows for routine inspection of large specimens. In this package, the Axio Imager Vario has been configured with high numerical aperture objectives, a large 200 x 200mm precision scanning stage with vacuum wafer mounting, and reflected light imaging with brightfield, darkfield and circular-DIC contrast capabilities. This package also comes with the powerful ZEN core image acquisition and microscope control software. Affording you a greater level of flexibility, we also offer you optional and additional ZEN Core software modules which will allow for further automated image analysis workflow and gateways to correlated light and electron microscopy. The microscope has been matched to the high-resolution and large field of view Axiocam 712.

We optionally offer the following custom software solutions:

**Software Module 1 [Image Denoising] (410190-0105-005)**

Image Denoising module is an advanced image processing cum machine learning module that removes the tiny blue background speckles from the wafer images resulting in cleaner-looking wafer images. It encapsulates custom machine learning based denoising algorithm followed by processing and segmentation. The segmentation mask is then used to extract the object of interest and mask out the blue speckles.

**Software Module 2 [Guided Acquisition (center line detection and navigation)] (410190-0105-010)**

The Guided Acquisition Module is utilized to detect the center line feature in the wafer images and navigate the system to the detected feature in the image. High resolution images of the detected feature can then be acquired by the software for further processing and analysis.

Please do not hesitate to contact us if you would like further information about the products and solutions offered in this quotation.

Item	Product ID / Product Description	Quantity
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Headquarters:  
40-52 Talavera Road  
North Ryde, NSW 2113  
PO Box 501  
North Ryde BC NSW 1670  
Tel: +61 2 9020 1333  
Fax: +61 2 9020 1330  
Email: info.au@zeiss.com

Toll free  
General: 1300 365 470  
Consumables orders: 1300 307 244  
Fax: 1300 552 796  
Service hotline:  
Tel: 1300 367 244  
Fax: +61 2 9020 1331

EFT Bank Details  
Bank: BNP Paribas  
BSB: 222-200  
Account: 202636001  
Email: accounts.au@zeiss.com



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10	490016-9880-010	1 PC
	Microscope Axio Imager KMAT	
	Consisting of the following items:	
20	430020-9001-000	1 PC
	Stand w/focus Axio Imager.Z2 Vario	
30	430020-9050-000	1 PC
	Stand column mot. STEP with Base plate	
40	432929-9020-000	1 PC
	Stage Controller XYZ STEP SMC 2009 Vario	
50	424928-9901-000	1 PC
	Reflector Module H ACR P&C	
60	424922-9901-000	1 PC
	Reflector Module DF ACR P&C	
70	432926-9001-000	1 PC
	Docking station with TFT display	
80	432610-9080-000	1 PC
	Controler cable 2m f/ Axio Imager Vario	
90	424514-9010-000	1 PC
	Objective nosepiece 6x HD DIC M27 mot	
100	425503-9901-000	1 PC
	Binoc Phototube 15/25 Mat	
110	444034-9000-000	2 PC
	Eyepiece PI 10x/25 Br foc	
120	444801-0000-000	2 PC
	Folding Eyecup	
130	423611-0000-000	1 PC
	Diaphragm Slider man w/ Luminous Field	
140	423613-0000-000	1 PC
	Diaphragm Slider man w/ Centr Aperture	
150	423053-9030-000	1 PC
	Illuminator VIS-LED	
160	457411-9051-000	1 PC
	Extension cable 2m for HAL 100/ LED	
170	424916-9000-000	1 PC
	Reflector Turret 6x Mot f/ Imager	
180	432036-9020-000	1 PC
	Scanning Stage 200X200 STEP	
190	432903-9011-000	1 PC



	Joystick XY; CAN	
200	432636-9030-000	1 PC
	Vacuum wafer holder rotat. f. 6" and 8"	
210	459336-0000-000	1 PC
	Dust Cover K for Co-Obs Unit	
230	422310-9901-000	1 PC
	Objective EC EPN 1.25x/0.03	
240	422340-9960-000	1 PC
	Objektive EC EPN 10x/0.25 BD D=9 M27	
250	422350-9960-000	1 PC
	Objective EC EPN 20x/0.5 BD D=2.2 M27	
260	422492-9960-000	1 PC
	LD EC EPN 100x/0.75 HD DIC WD=4.0mm	
270	422672-9900-000	1 PC
	C Epiplan-APOCHROMAT 50x/0,95 DIC	
280	424704-9902-000	1 PC
	Modulator Turret 4x mot /C-DIC	
290	424929-9903-000	1 PC
	Reflector module C-DIC/DIC/TIC ACR P+C	
300	426922-0000-000	1 PC
	C-DIC Prism f/ Modulator Turret	
310	000000-1105-193	1 PC
	C-DIC Slider 6x20 f/50x & >ECEPN	
320	424941-9000-000	1 PC
	Reflector Module C DIC/DIC/TIC ACR P&C	
330	424706-0000-000	1 PC
	Compensator Mount A 6x20 f/ AxioImager	
340	410135-1037-320	1 PC
	Axiocam 712/ZEN Core Software Bundle	
350	426114-0000-000	1 PC
	C-Mount Adapter 60N C 1" 1.0x	
360	410136-1028-110	1 PC
	ZEN Module Autofocus	
370	410136-1025-110	1 PC
	ZEN Module Tiles / Positions	
380	410136-1091-310	1 PC
	ZEN Module Connect	



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390	410136-1066-200	1 PC
	ZEN Module Motorized Extended Focus	
430	490002-0140-000	1 PC
	WS Premium Xeon 4C 32GB Win10x64 24"TFT	
	Consisting of the following items:	
440	410203-9912-000	1 PC
	Workstation Premium ZEISS 60A R2 (hp Z6)	
450	410330-0600-000	1 PC
	Processor Intel Xeon Gold 5222 (hp Z6)	
460	410303-3205-000	1 PC
	Memory 32GB (1x32) DDR4-2933 (hp Z6)	
470	410331-2300-000	1 PC
	Graphics Card NVIDIA Quadro RTX4000 8GB	
480	000000-2360-141	1 PC
	SysConf 1c HP Z6 R2 W10 LTSC19 Basic	
490	410380-0200-000	1 PC
	Language pack english US	
500	410350-2406-000	1 PC
	Monitor TFT 24" HP Z24n G2	

Subtotal		198,785.56 AUD
Order Discount %	-20.00% of	198,785.56 AUD
<b>Total excluding GST</b>		<b>159,028.45 AUD</b>



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**Optionally we would like to offer you :**

Item	Product ID / Product Description	Quantity		
	Quote option			
520	410190-0105-005	1 PC	8,560.00	8,560.00
	Customer SW Solution (SCS) B			
530	410190-0105-010	1 PC	17,120.00	17,120.00
	Customer SW Solution (SCS) B			
Options Total excluding GST				25,680.00

In accordance with the applicable export control regulations including the stipulations of European and US export control law, this quotation shall only become effective in the event of a sales ban if this ban is lifted, or shall only become effective in the event that a sale is subject to a license if all required official licenses are granted. If the agreement does not come into force on the basis of applicable export control regulations, any claims against us, in particular claims for damages, shall be excluded.