

**TO: Prof. Dr. Pengju Zhang**

No.8, 3rd South Street, Zhongguancun, Haidian District  
 Institute of Physics, Chinese Academy of Sciences  
 Email: [pengju.zhang@iphy.ac.cn](mailto:pengju.zhang@iphy.ac.cn)  
 Tel: +86 18710173871

# XSpec 1.0

## (eXtreme Engineering XUV Spectrometer 1.0)

July 18<sup>th</sup>, 2024

Quotation No. 20240718\_1

### Specifications

Model	<b>XSpec 1.0</b>	
Spectral range	200 nm – 1 nm ~ 6.2 - 1240 eV	
Metallic foil mount for spectral filtering	Included	
Grating options	4 choices	
	2400 grooves/mm	1 - 6 nm ~ 1240 - 206 eV
	1200 grooves/mm	5 - 20 nm ~ 248 - 62 eV
	300 grooves/mm	20 – 80 nm ~ 62 – 15.5 eV
	120 grooves/mm	50 – 200 nm ~ 24.8 – 6.2 eV
Detector: XUV camera	Sensor size	1024 x 255 pixels
	Pixel size	26 μm or 13 μm
	Cooling	-60 <sup>o</sup> Celsius
Translational stage for measurement of larger energy range than default values	Included	
EUV polarizer	5 – 18 eV	
Rotational stage for EUV polarizer	Included	
Vacuum compatible	< 10 <sup>-5</sup> mbar	
Input flange	To be agreed with customer	

#### XEng Limited

Dr. Tran Trung Luu (CEO)  
 Flat A, 5/F, Block 1, Pine Court, 23 Sha Wan Drive,  
 HK Island, Hong Kong SAR, China  
 Email: [info@xenglimited.com](mailto:info@xenglimited.com)  
 Tel: +852 5744 2405

#### Hang Seng Bank Limited

83 Des Voeux Road Central, Hong Kong Island  
 SWIFT code: **HASEHKHH**  
 Account number: **239-848880-883**  
 Account name: **XENG LIMITED**

Turbo-pump inlet design		To be agreed with customer
Dimensions (L x W x H)		700 x 350 x 205 mm
Weight		~ 20 kg
Input beam height (at least)		112.5 mm
Software suite	Full image recording	Included
	Vertical binning	Included
	HHG recording and scanning the rotational stage (for EUV polarizer) together	Included
	HHG calibration	Included
<b>Total price</b>		<b>105,000.00</b>

All prices are in USD.

## Notes

1. Our XUV Spectrometer does not include pumps (roughing pump and turbo pumps). We would be in extensive discussion with the users regarding their preferred inlet and outlet design.
2. The computer/laptop for controlling and analysis of the data has to be provided by the customer. All operating softwares will be sent online to the customer. The customer's computer should have Windows 10 OS and should have minimum specifications of Core i5 or equivalent and 8GB of RAM. The computer should have at least two full size USB ports (intrinsic ports or external adapter). Online installation will be done after delivery and confirmation with the customer.
3. The price includes handling, shipping, and insurance.
4. All banking charges must be borne by the customer. We will not be responsible for any possible banking charges (your bank, our bank, and any intermediate banks).
5. We are not responsible for import tax at the customer's destination. Please kindly check with your Custom's Department whether such product will attract tax payment or not. In addition, please make sure that withholding tax is not applied for such order. The order is not confirmed if the prepayment is not exactly 50% of the total amount after discounts.

Delivery Time:	Within 4-5 months after receipt of order, subjected to delivery time of components. We will inform you of the final delivery upon checking with OEM manufacturers. The starting date for counting delivery time is the date where 50% prepayment is received.
Offer valid until:	One month after issue date.
Terms of Payment:	50% pre-paid TT at the time of PO. 40% to be paid before delivery. 10% to be paid after delivery and installation.
Warranty:	12 months after date of delivery.
Orders:	Please send to <a href="mailto:info@xenglimited.com">info@xenglimited.com</a>

### XEng Limited

Dr. Tran Trung Luu (CEO)  
 Flat A, 5/F, Block 1, Pine Court, 23 Sha Wan Drive,  
 HK Island, Hong Kong SAR, China  
 Email: [info@xenglimited.com](mailto:info@xenglimited.com)  
 Tel: +852 5744 2405

**Hang Seng Bank Limited**  
 83 Des Voeux Road Central, Hong Kong Island  
 SWIFT code: **HASEHKHH**  
 Account number: **239-848880-883**  
 Account name: **XENG LIMITED**