Procurement Specification for 2D-Motorized Slit

This document is the procurement specification for the 2D-Motorized Slit by the National Synchrotron Radiation Research Center. The specification details the hardware specifications, acceptance items, and delivery instructions.

1. Item and Specifications

item	Name	Specification	Acceptance Items	Quantity
1	2D-Motorized Slit	♦ X,Y: 0-20mm±0.5 mm ♦ Resolution: 1nm,can be variably positioned over complete working area. ♦ Tungsten slits. ♦ Slit type:  ♦ Slit thicknesst: 2 mm±0.3 mm	☐ 0-0 mm to 20-20 mm, ±0.5 mm ☐ Resolution complies with the specification, as shown by the manufacturer's factory test certificate ☐ Material: tungsten (manufacturer to provide material certificate) ☐ Slit type:  ☐ Slit thickness: 2 mm ±0.3 mm	1
2	Sensor Module	♦ Up to three channels can be connected ♦ DSub15	☐ Supports three channels ☐ Connector type: DSub15	2
3	Sensor module cable	♦ DSUB-15m connector and DSUB-15f connector; with 30m cable	☐ Connector type: DSub15 ☐ Cable length: 30 m	2
4	DSUB-MNT-KIT	♦ D-SUB mounting kit, 2 bolt nuts	☐ Sensor module cable can be securely fixed and functions normally	2
5	Sensor module cable	♦ DSUB-15m connector and DSUB-15f connector; with 15m cable	☐ Connector type: DSub15 ☐ Cable length: 15 m	2
6	Control system	♦ Supports four or more axes ♦ USB interface ♦ Related documentation and drivers (Windows DLL, Linux library and LabVIEW driver) ♦ Include power supply	☐ Supports four or more axes ☐ USB interface present ☐ Documentation provided ☐ Operating system drivers provided (Windows DLL, Linux library and LabVIEW driver) ☐ Power supply included	1
7	Functional Test		☐ After assembly, perform an operation test	

2. Delivery

2.1 Delivery Deadline：The winning vendor must complete full delivery within 160 calandar days from the date of contract award.

2.2 Acceptance Deadline: Acceptance must be completed within 30 days after delivery.

2.3 Warranty Period: One year from the date of passing acceptance..