

	SCOPE OF WORK	Template Identifier	240-	Rev	1
		Effective Date	01 February 2014		
		Review Date	June 2026		

The four-year TESCAN TIMA FEG service contract must include what is listed in the Table listed in Section 2 and the following routine maintenance procedures must be done:

- Check system performance.
- Conduct initial systems check – current configuration, calibration of the instrument, check condition of system parameters, back-up of system and TESCAN files (supply backup disk).
- Check initial and final EDAX X-ray detector settings.
- Polishing and cleaning or replacement of system parts covered under the contract (column, penning gauge of carbon coater etc.).
- Conduct operational checks as specified in the TESCAN TIMA operator's manual.
- Calibrate EDAX detectors and ensure that detectors remain calibrated during the four-year period.
- Provide detail procedure that will be followed when EDAX detectors have failed.
- The supplier shall forward all relevant documentation and accreditation which specifies the supplier's ability to service TESCAN TIMA (FEG), EDAX detectors and TESCAN hardware.

The table below provides a list of service required and the respective quantities for a four-year period:

Section 2

Service/Product	Quantity (four year contract)
Denka service kit	2
Tip seal replacement kit for XDS pumps Edwards	2
Lubricant reservoir for Hi Pace 80	2
Spare batteries for UPS/Compatible with UPS SUA2200I, ST2200I	2
FEG Gun Ion/Getter pump	2
FEG Column Ion pump	2
TMP HiPace 80 Pfeiffer	2
Edwards nXDS scroll pump	2
A23 Main distribution unit	2
A01 DPP Module for EDAX element EDX	2
Essence EDS detector with TESCAN DPP module	2
Rotation LMB	2
Stage LMA	2
Stage LMA repair	2
Column repair	2
TESCAN TIMA regular preventative maintenance 1 per year	4

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TESCAN TIMA full preventative maintenance 1 per year	4
TESCAN TIMA corrective maintenance 3 per year	12
Carbon coater regular preventative maintenance 1 per year	4
Carbon coater corrective maintenance 2 per year	8
Carbon coater spares for HVV BT150	2