

HARMONIC™ ULTRASONIC SHEARS – REMANUFACTURED

**Sustainable. Safe.
Cost-effective.**

Vanguard AG is the European market leader in the remanufacturing of single-use medical devices. The remanufacturing of HARMONIC™ ultrasonic shears is carried out in full compliance with all manufacturer requirements in accordance with Article 17 (2) of Regulation (EU) 2017/745 (MDR) and UKCA approved – meeting the highest standards.



Original Manufacturer (OEM)	Remanufacturer	Description of the remanufactured product	OEM product number	VANGUARD product number
Ethicon Endo Surgery, LLC	Vanguard AG	Vanguard Ultrasonic Shear ETS700 23 cm 5.0 mm G11	HAR723	36421
Ethicon Endo Surgery, LLC	Vanguard AG	Vanguard Ultrasonic Shear ETM700 36 cm 5.0 mm G11	HAR736	36377

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Sustainable product solutions at the highest level.

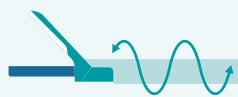
The remanufacturing of complex medical devices places high demands on process workflows.

More than 20 individual inspections and component tests ensure the safety and functionality of Vanguard's remanufactured ultrasonic shears. We do not rely on sampling; instead, every single product is tested.



SOFTWARE COMPATIBILITY TEST

Testing with the original generator to verify safety, functionality and system compatibility, as well as to detect potential micro-cracks in the blade



FUNCTIONAL TEST

Electrical and mechanical function testing, including TissueGrip and TissuePad tests



BLADE TEST

Electrical blade test, initialisation test and continuous activation test



HANDPIECE

Compatible with the original handpiece



TISSUE PAD

Tissue pad with properties identical to the OEM product



VISUAL INSPECTION

Visual inspection for residual contamination and damage



MECHANICAL TESTING

Tactile inspection of all moving components and load testing to ensure flawless operation

Our customer service team will be happy to assist you:

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