



Made
in **X-RAY FLUORESCENCE ANALYSER**
Germany



A compact ,low cost
coating thickness and
material analyser
designed for the
inspection of jewellery ,
electronic components
and other parts .

The *ecoMaster* offers a universal coating thickness measurement and materials analysis at an extremely reasonable price/performance ratio.

Designed for customers, where in addition to high precision ease of use and versatility are major factors, the *ecoMaster* is the ideal measuring system. The precise nondestructive measurement, even of multilayer samples, is performed in a few seconds. The thickness and composition of alloy coatings can be analysed simultaneously. Additionally, the *ecoMaster* performs the analysis

of plating solutions. The compact sample chamber allows testing of all kinds of differently dimensioned parts especially for electronics, fastener and jewellery.

Technical Data

HV Generator	25–50kV, max. 1,2mA current, software controlled
X-ray	tube Mini focus, high performance -
X-ray	power 25-50kV, max. 50VA, applications optimised
Single collimator	0.1mm, 0.2mm, 0.3mm,
Sample Stage	Manual or motorized
Video system	Colour video system, field of view 8 x 6mm
Magnification	Approx. 20 x, digital zoom 2x
Radiation safety	PTB tested, totally fail safe system
Chamber	H - 55cm, B - 58cm, D - 68cm
Sample Chamber	H - 30/20cm, B - 53cm, D - 53/49cm
Mains supply	110V/230V 60Hz/50Hz

X-Master Software

µ-Master	Operating software with WINDOWS XP using modern PC Technology
Fun-Master	Evaluation module for coating thickness measurement
Element-Master	Calibration module using fundamental parameter mathematics
%-Master	Qualitative material identification for up to 20 elements
Liquid-Master	Quantitative material analysis for up to 8 elements
Data-Master	Plating bath analysis
Report-Master	Data base and statistic software with long term documentation
	Software module to create customised reports.

WORLDWIDEMARKETING:

CITIZEN SCALE (I) PVT. LTD.

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