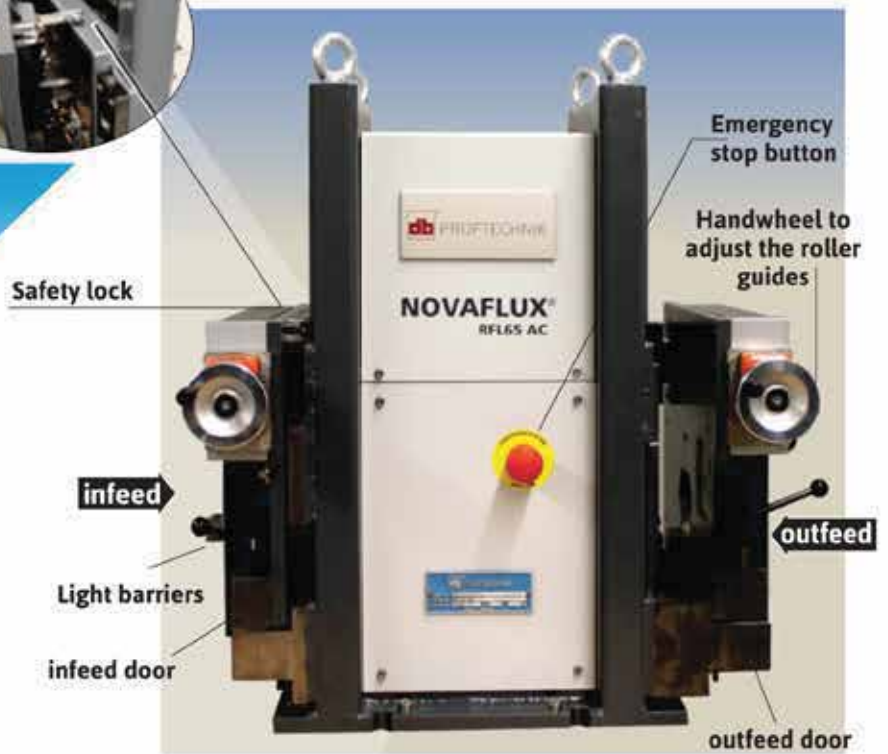


Magnetic Flux Leakage Testing (MLFT) System

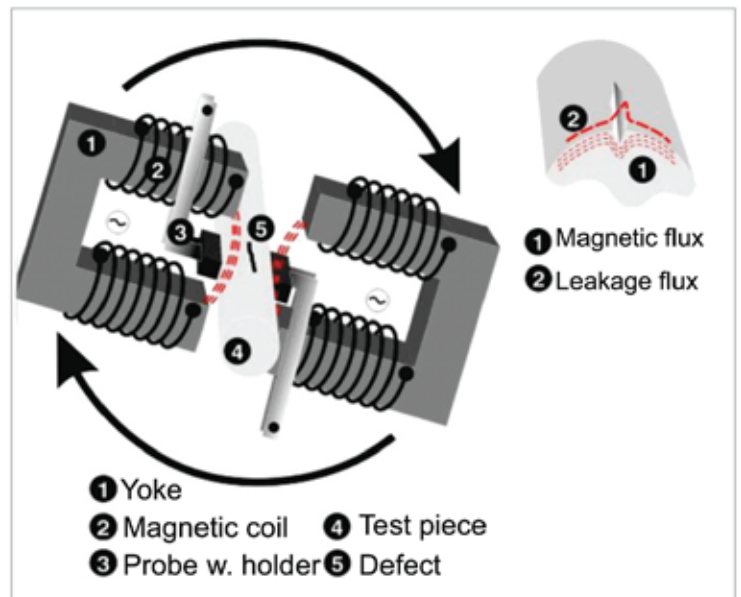


BIS Approved
NABL Accredited Chem & Mech Labs.
ISO 9001 & IATF 16949 Certified by UL DQS
ISO 14001 & OHSAS 18001 Certified by TUV Nord
AD 2000 Merkblatt WO /PED Certified by TUV Nord

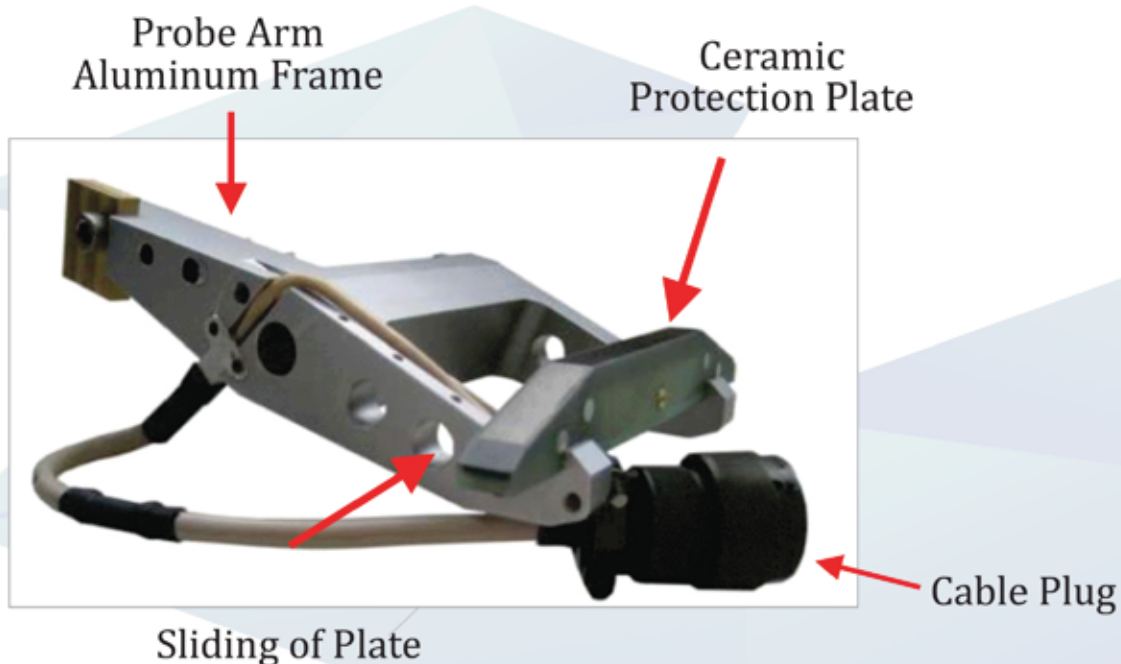
Advantages of Flux leakage testing :

- Highly sensitive test method for the detection of longitudinal defects on steel bars
- No coupling liquid
- Quick to install and easy to operate
- Reliable and reproducible test results
- Automatic marking and sorting of the tested bars
- High production speeds
- Several reporting options

AC flux leakage principle



RFL - Probe Arm



Magnetic Flux Leakage Testing (MFLT)

- Based on automated Flux leakage inspection system.
- Uses high energy A.C. Magnetic Leak fields for detection of longitudinal flaws.
- Real time display of ongoing inspection.
- Fully automated defective marking & sorting of the material.

NOVAFLUX® RFL140



MFLT SALIENT FEATURES

Diameter range	5 to 140 mm
Channels	8
Probes	up to 16
Channel width	5.0 mm
AC Frequency	7 kHz
Rotation	max. 1.800 rpm
Test Speed	up to 2 m/s for 100 % material scanning

Signal transmission by contact less inductive transformer

RFL - Probes



Probe unit with connecting cable 4 or 8 probes per Probe Arm
Channel Width 5 mm

Model	RFL 140
Diameter Range	15 - 140 mm (0.4 - 5.5 Inch)
Material	Round ferromagnetic bright or black steel bars
Max. Inspection Speed	Up to 0.3 ms (9.8 ft / S). Scanning width 100 mm.
Installed Test Heads	2
Number of Probes	16
Number of Test Channel	8
Channel Width	5.0 mm
Magnetizing Frequency	7 KHz
Setup Time Rotating Head	3 Min.
Set-up time with automatic Dimension Adjustment	2.0 Min.
Additional set up time With Inner Roller guide for Small material Diameter	1.5 - 3 Min.
2 Sorting Classes	S0 (good) / S1 (repairable)
Defect Sensitivity	0.20 mm depth & 0.10 mm Width. 20 mm length (for Black Bars)