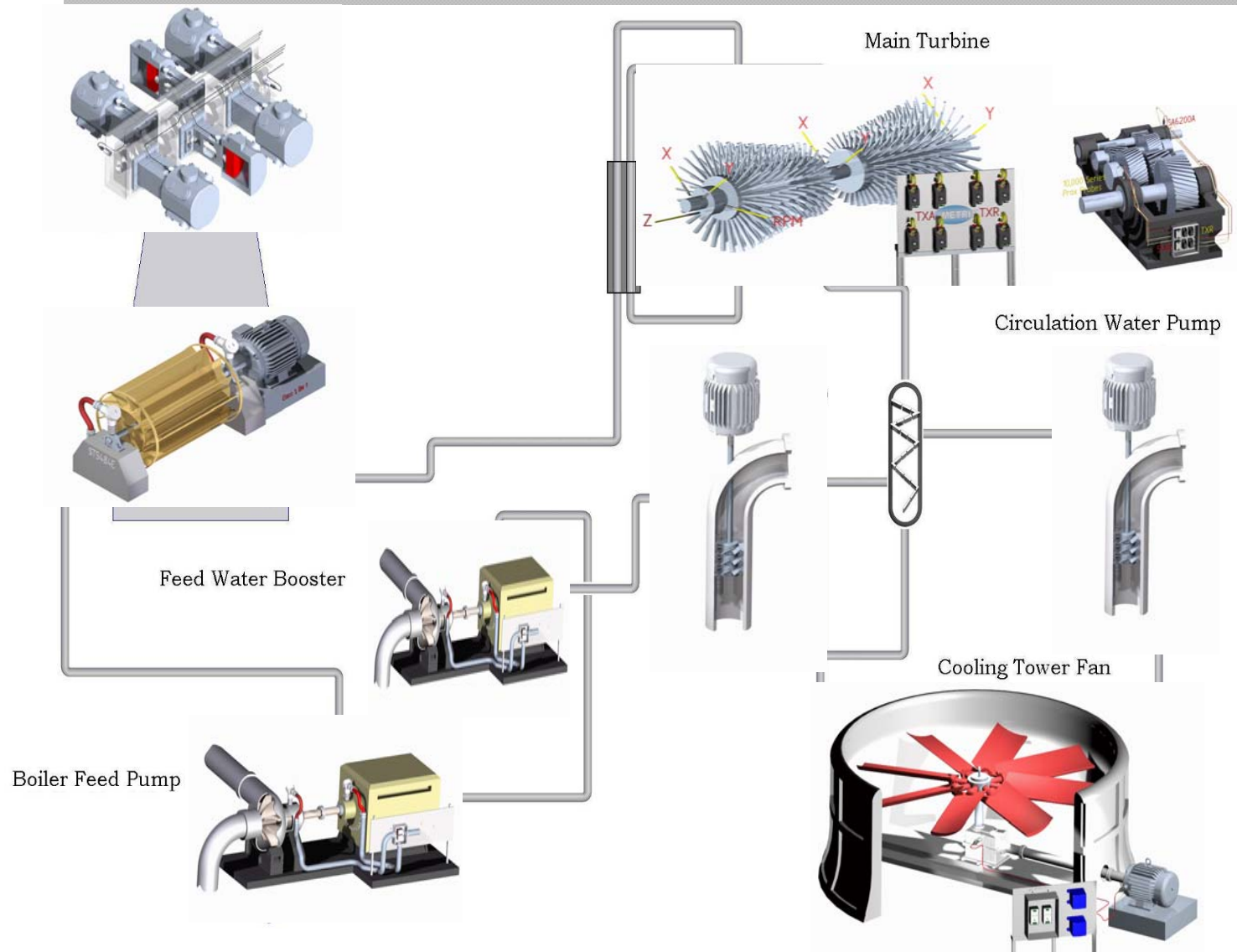


METRIX

Vibration Monitoring
and Protection

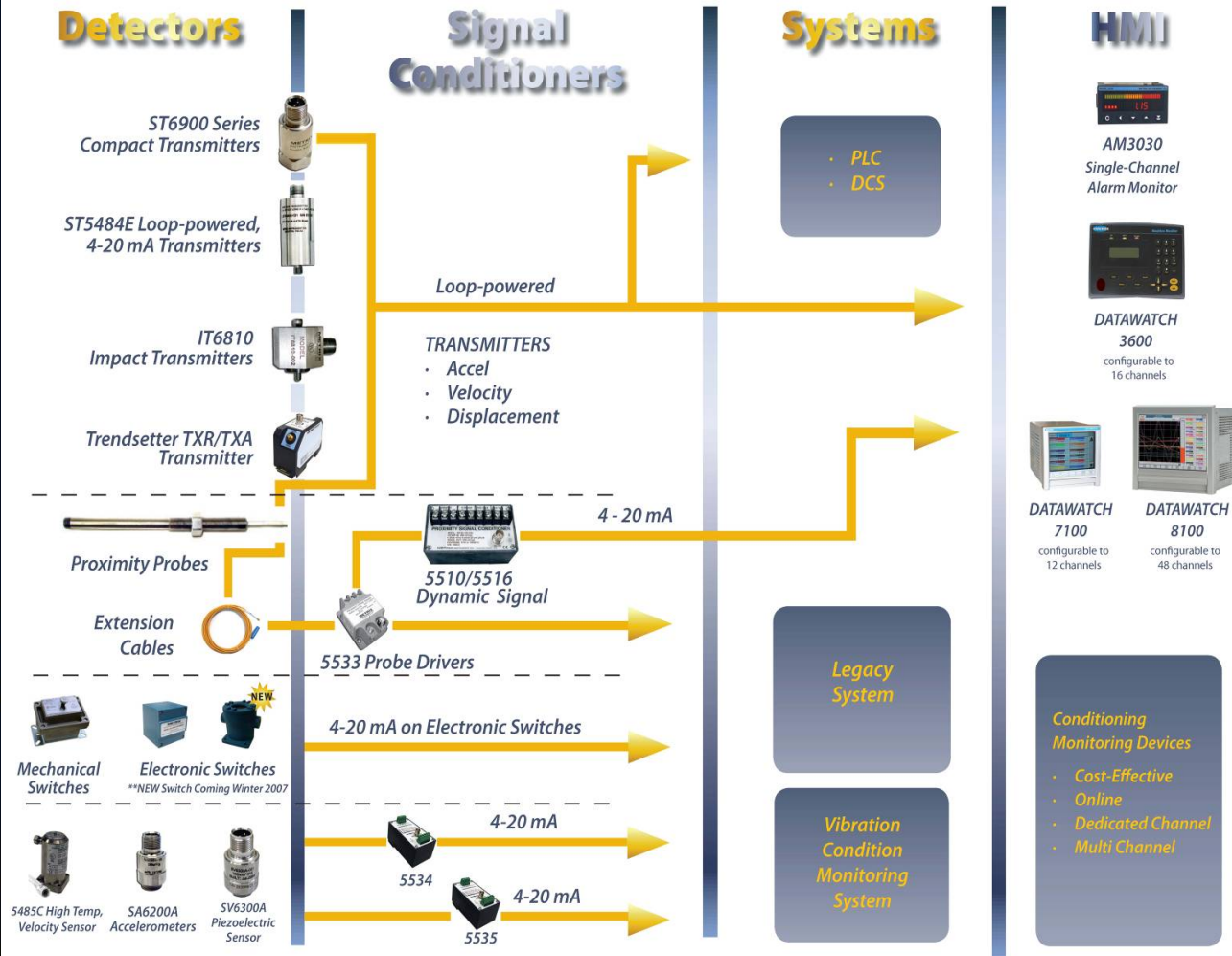
Simplifying Machine Health monitoring since 1965



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Vibration Monitoring
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Product Overview

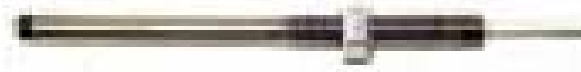


8824 Fallbrook Dr.
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Proximity Probe Systems



Proximity Probes



Cables



Drivers



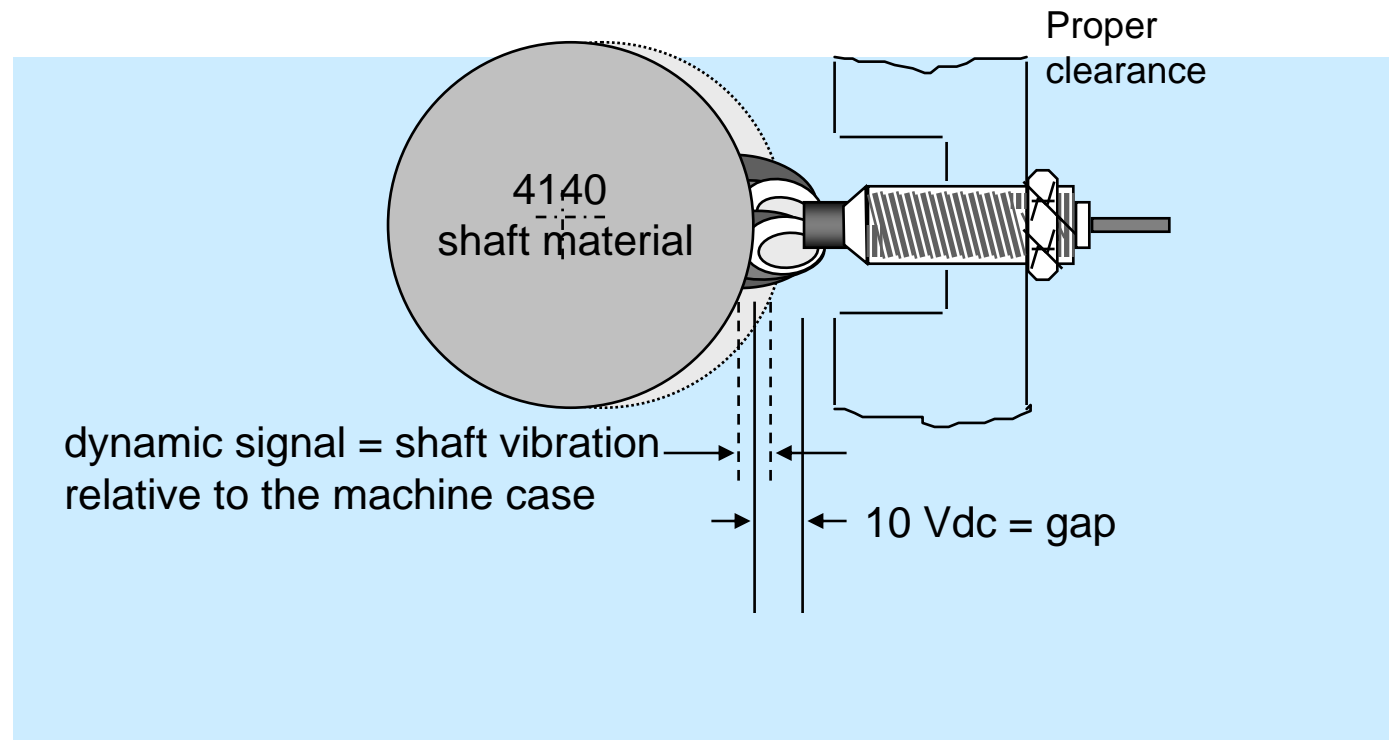
Transmitters

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How do they work?

An RF field is generated, providing a signal that is proportional to the distance from the shaft to the probe

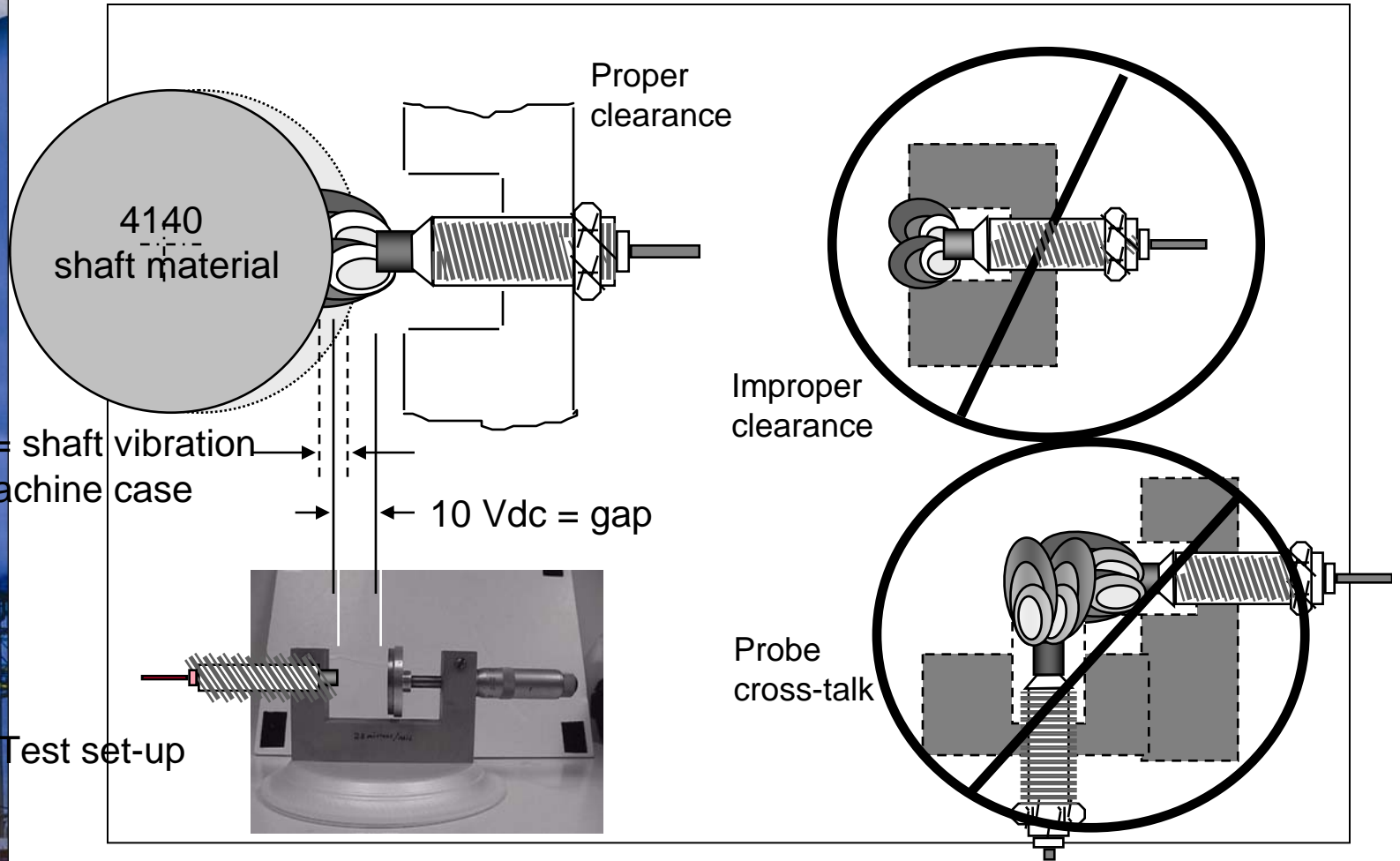


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Principle of Operation

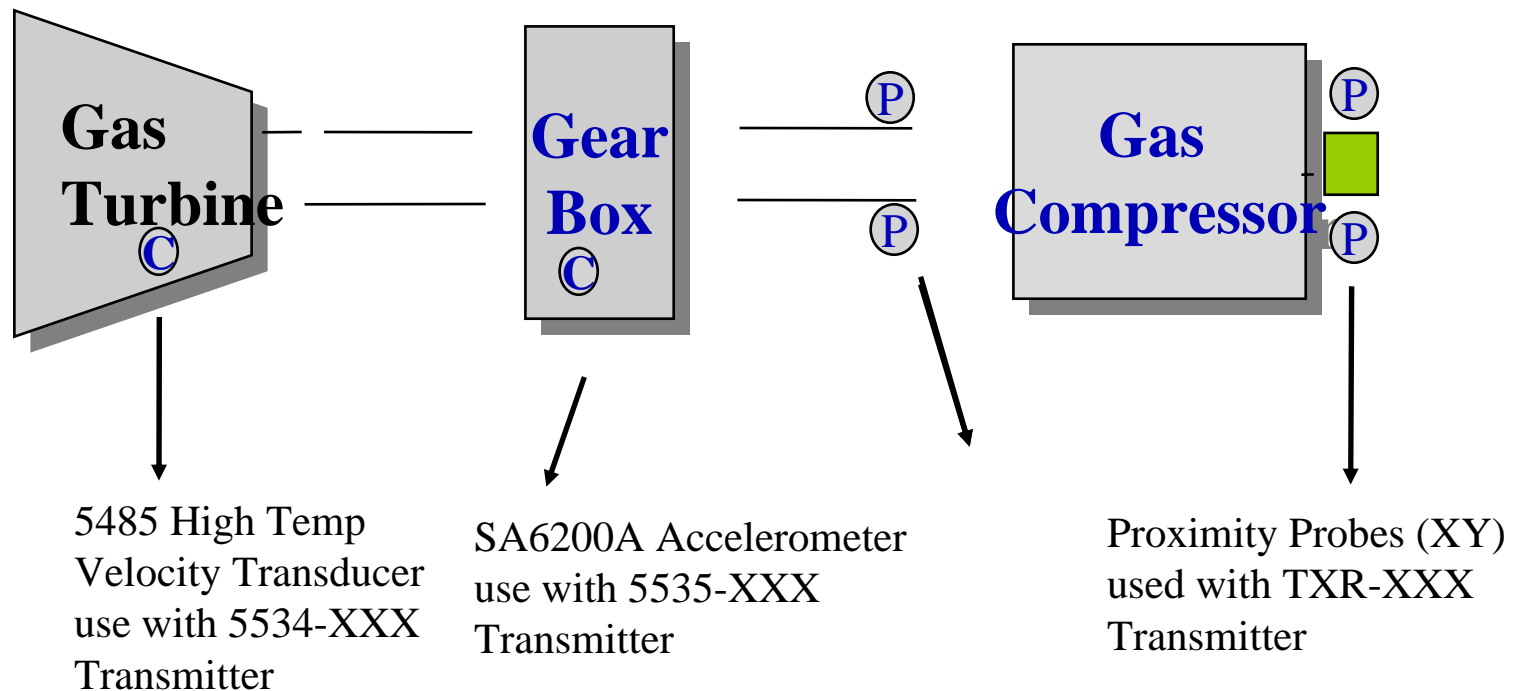
An RF field inducing eddy currents in the target
Linear signal change proportional to distance



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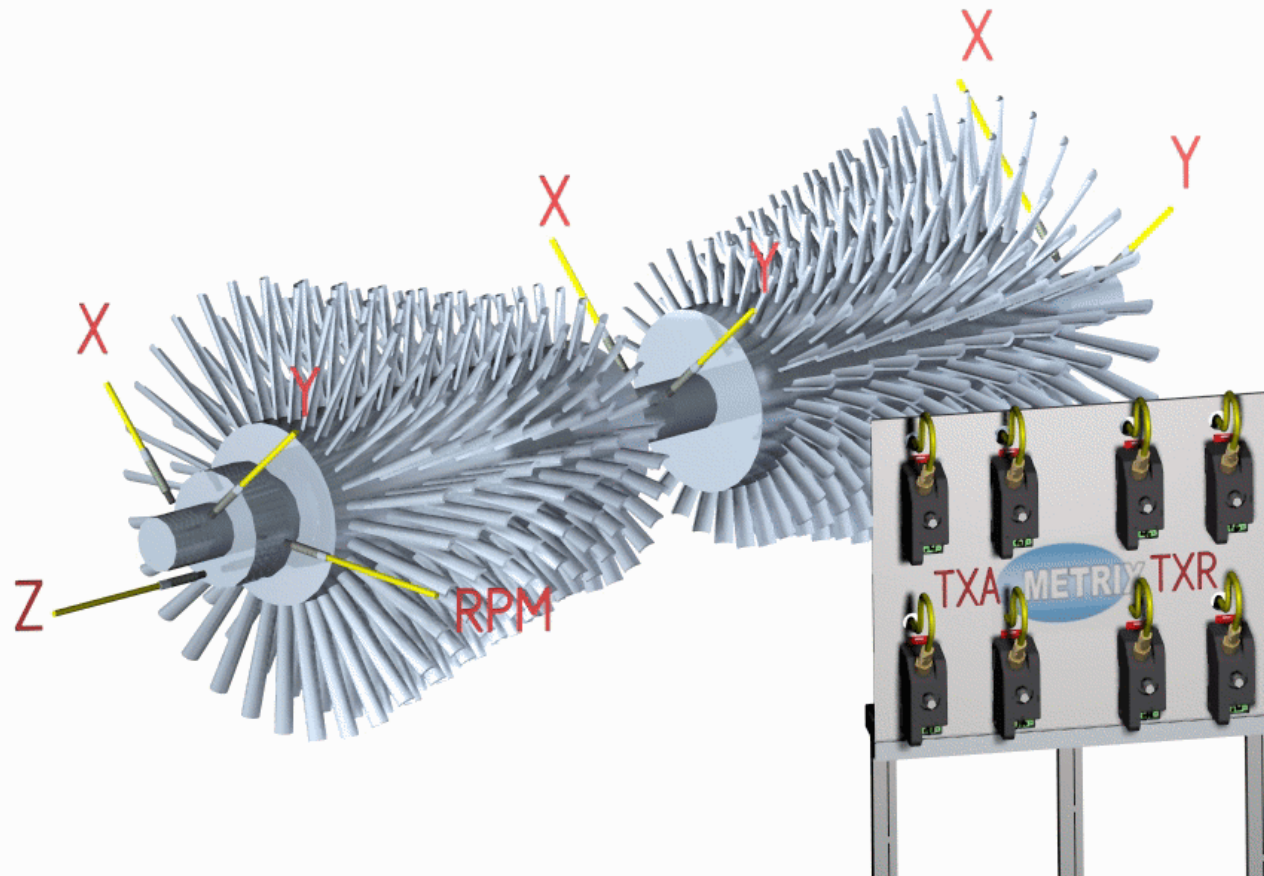
GAS TURBINE/ COMPRESSOR



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Proximity Monitoring, 4-20mA Transmitters, BNC for local Analysis



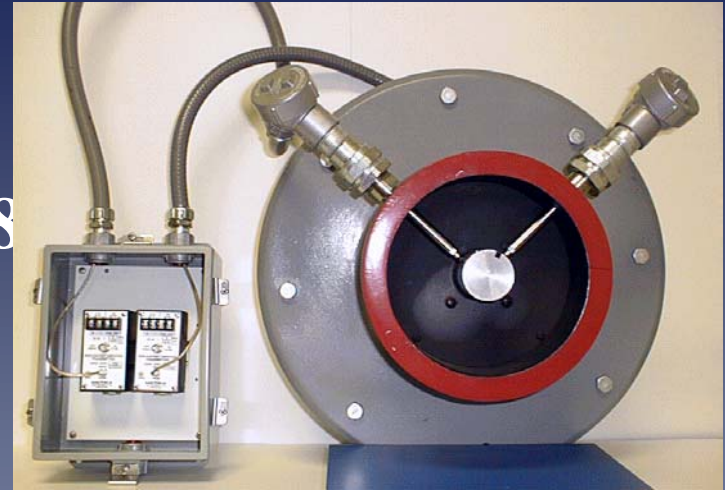
1st, 2nd, 3rd Stage Radial, Axial, and RPM measurements

Non-contact Proximity Probe Mounting and Installation Procedures

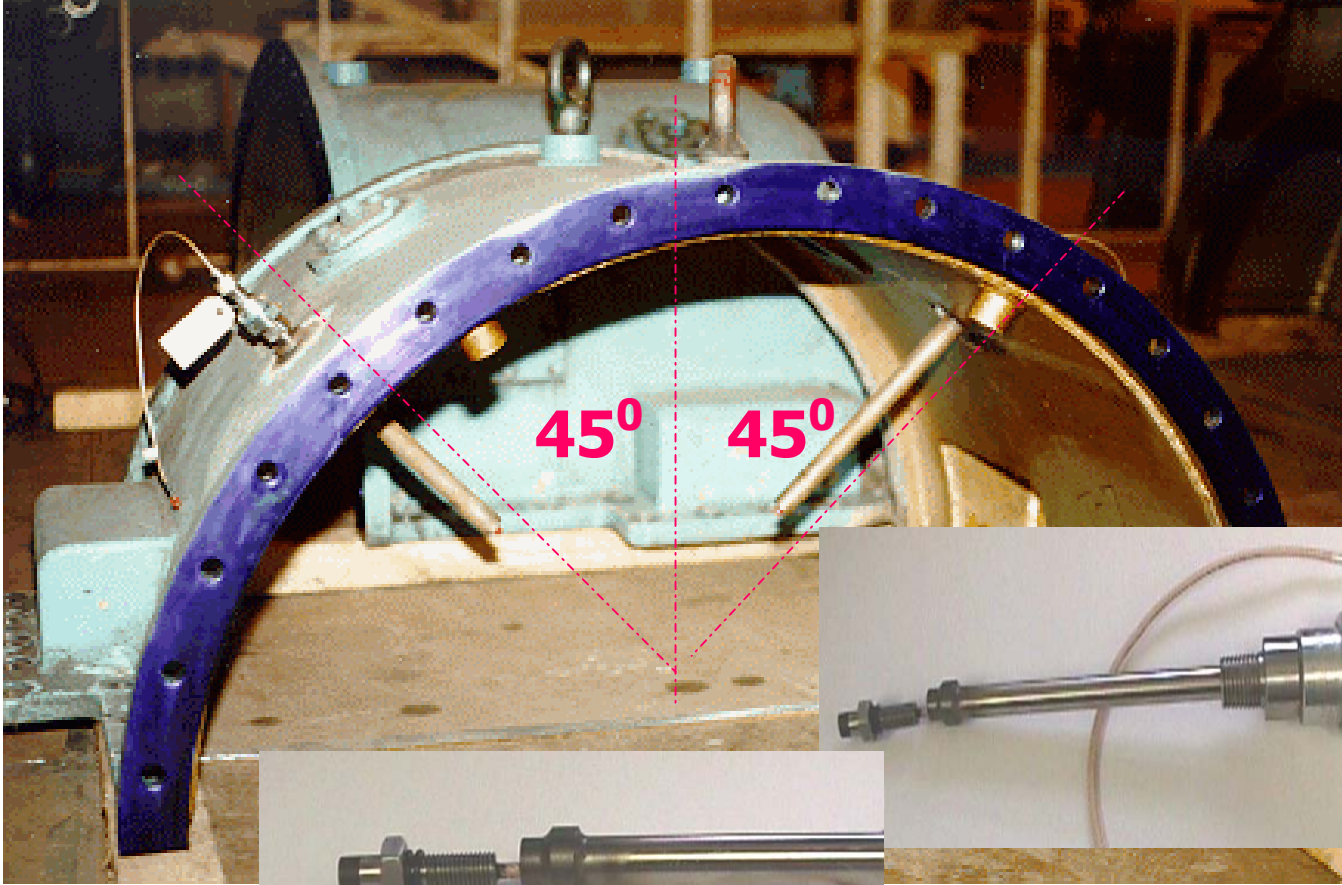
Case Penetration

↳ Reverse Mount Probes

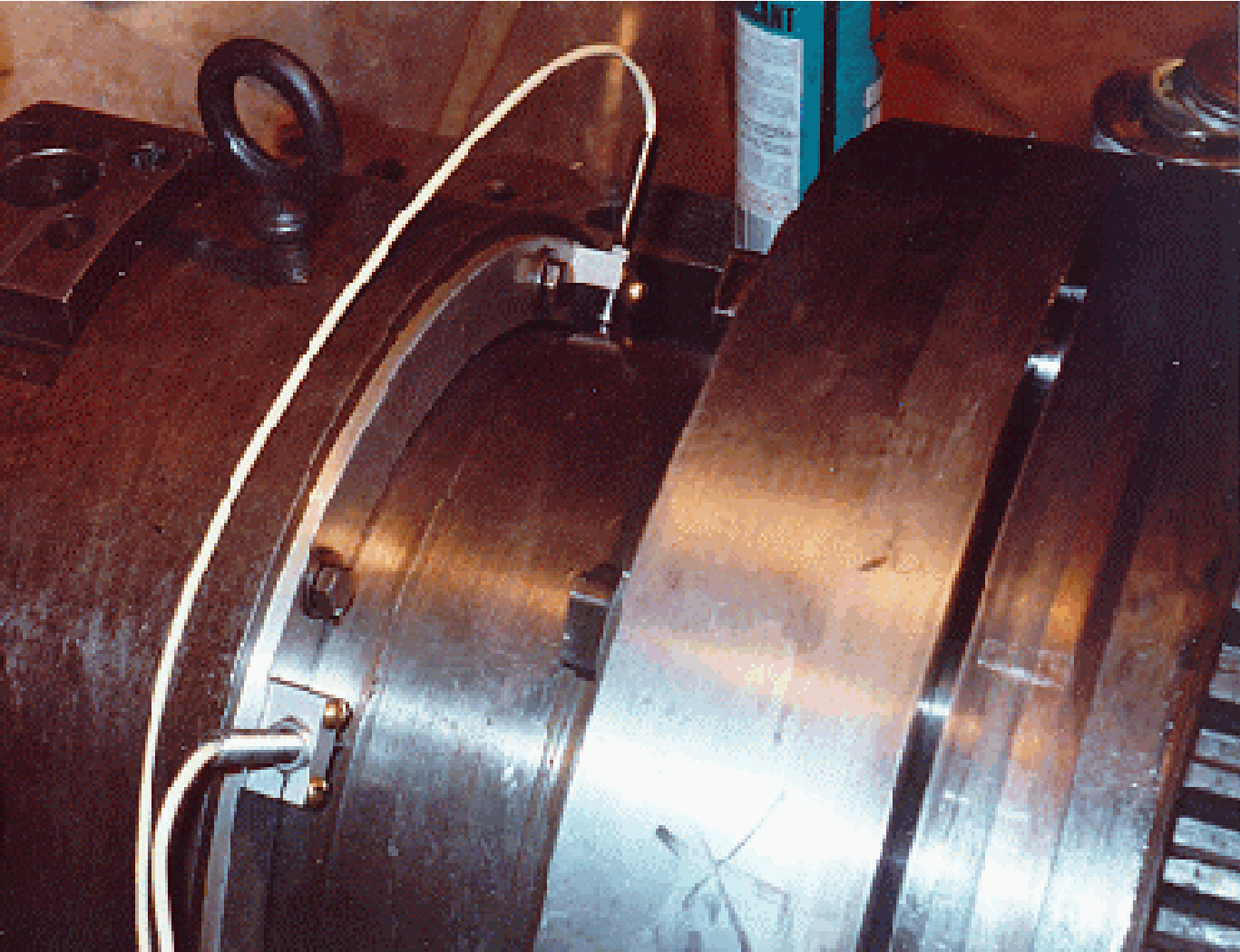
- a. 5499 Housing(catalog Page 18 provides probe and cable physical protection
- b. Simpler probe adjustments due to vernier adjustment in probe housing
- c. Conduit connects directly to probe housing



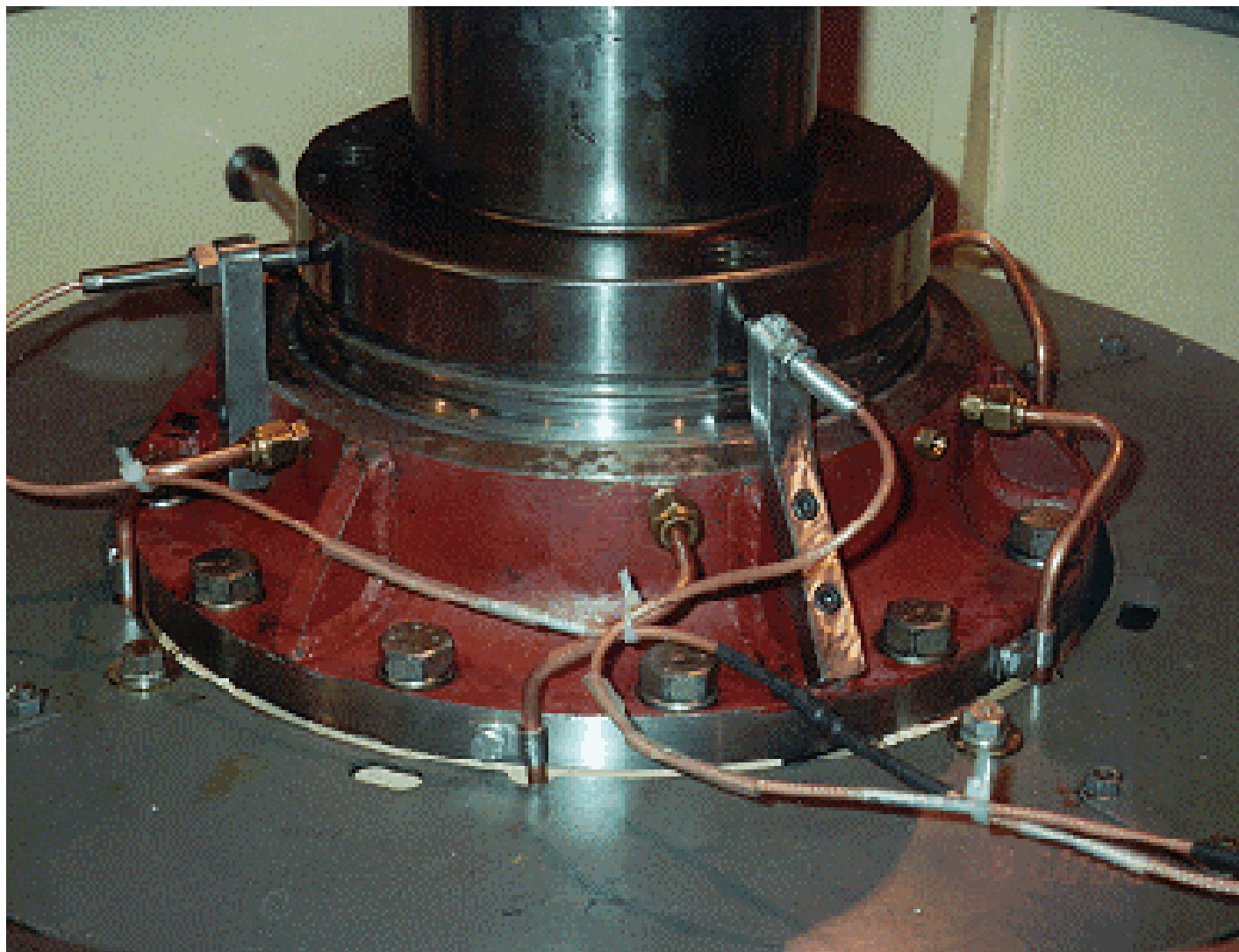
Radial Vibration X & Y position Reverse Mount Probes



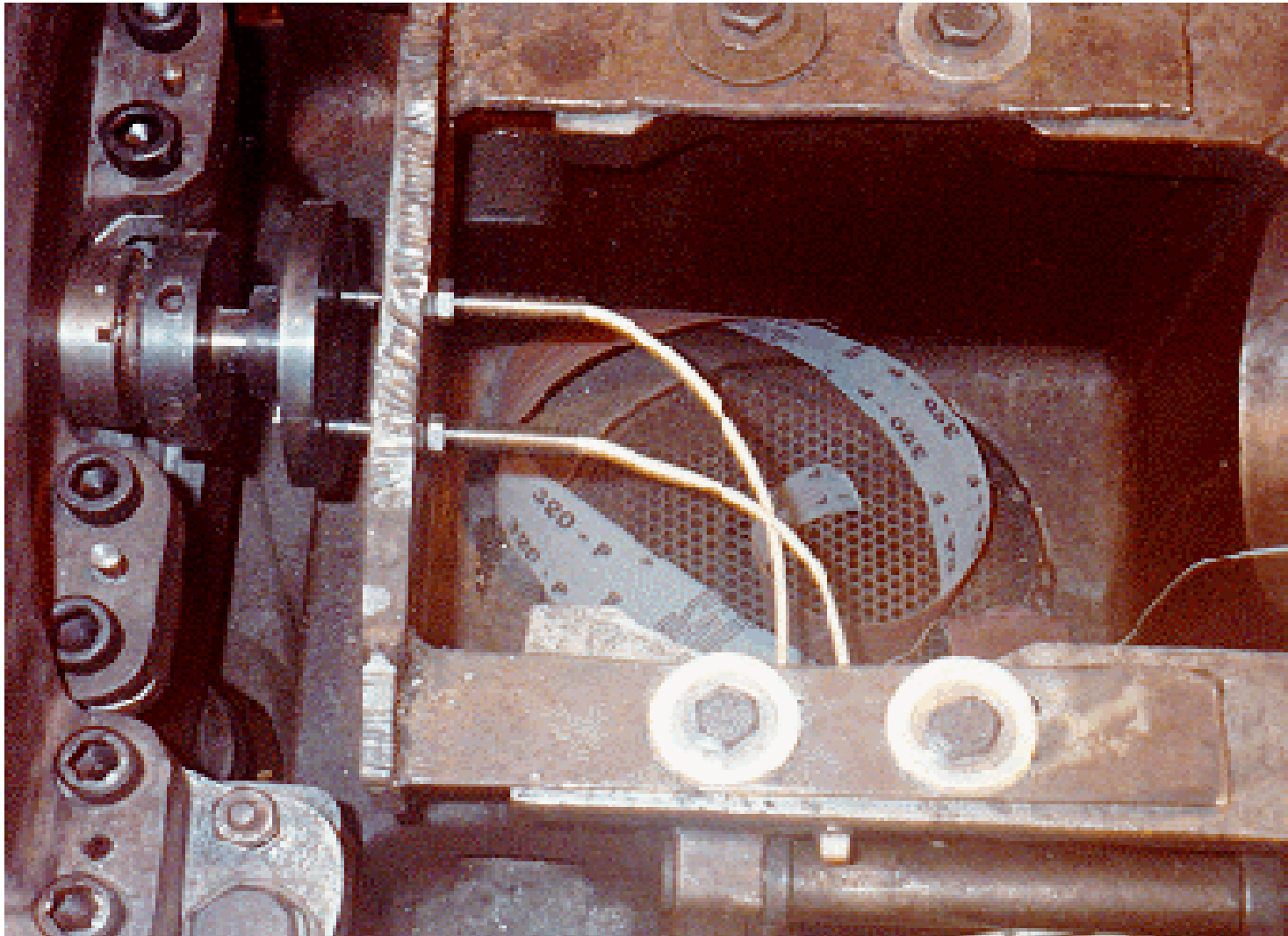
Radial vibration, X & Y, with leads through low pressure feed-through (not shown).



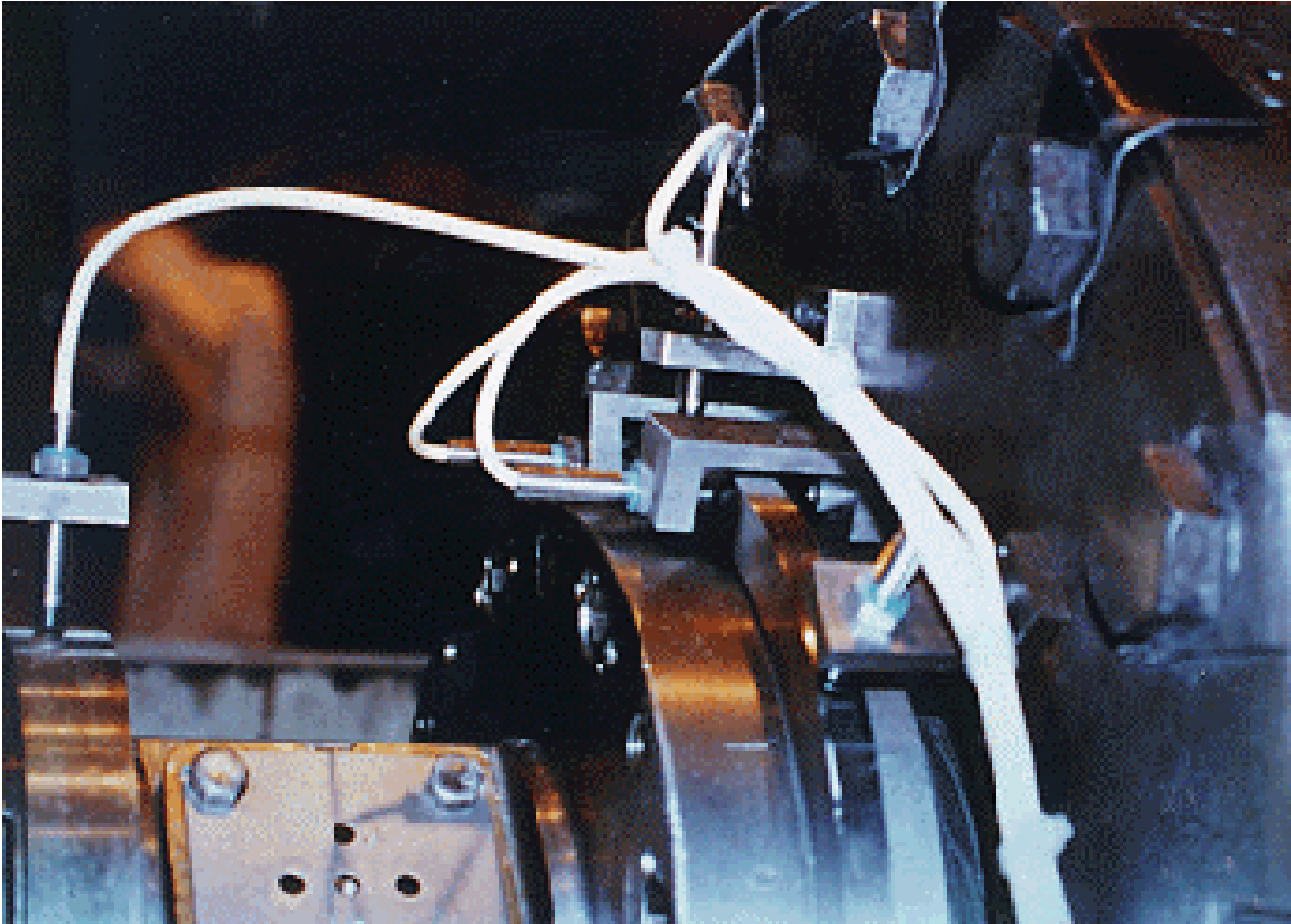
Radial vibration, X & Y, with special mounting brackets on GE vertical motor.



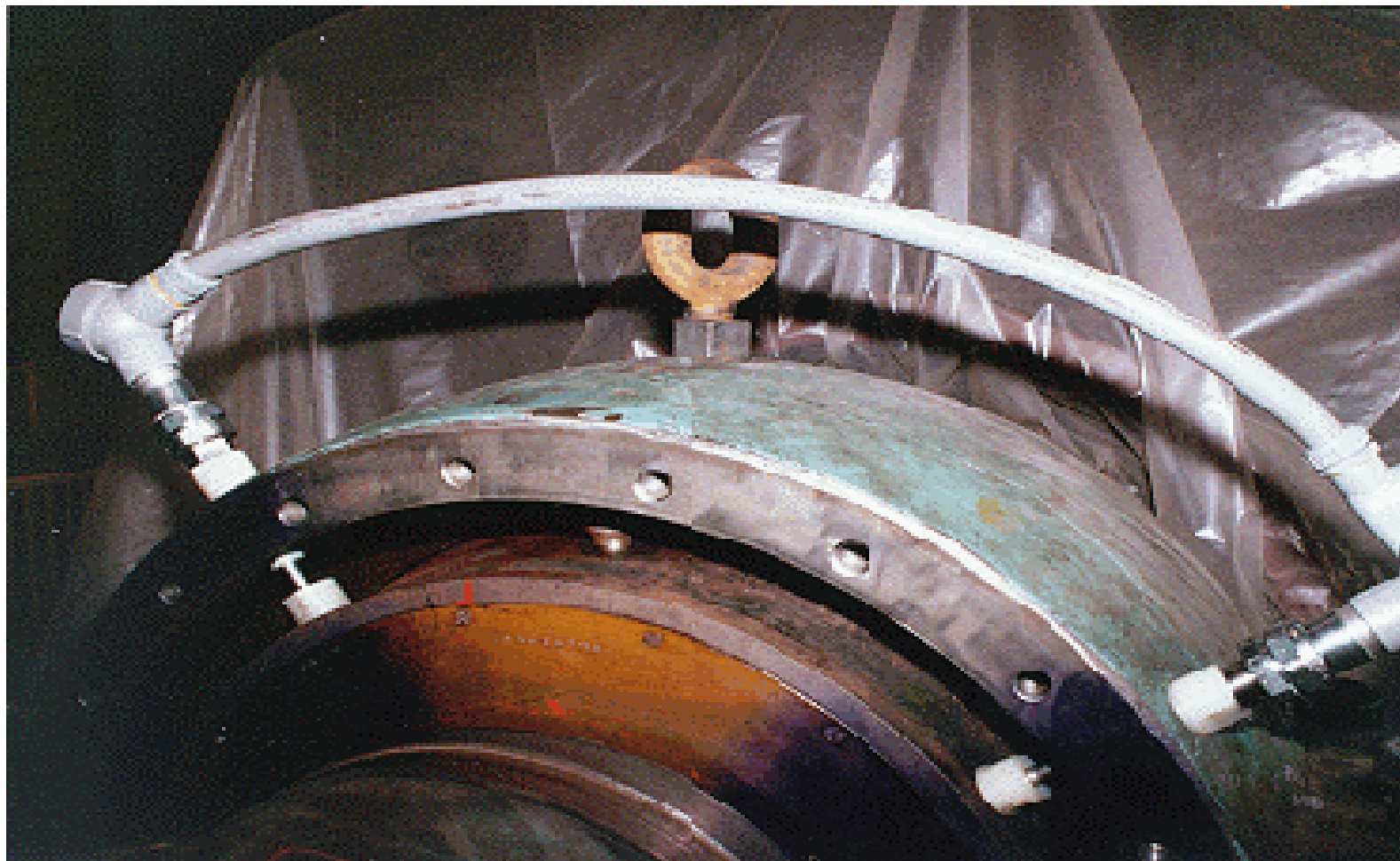
Dual thrust probes.



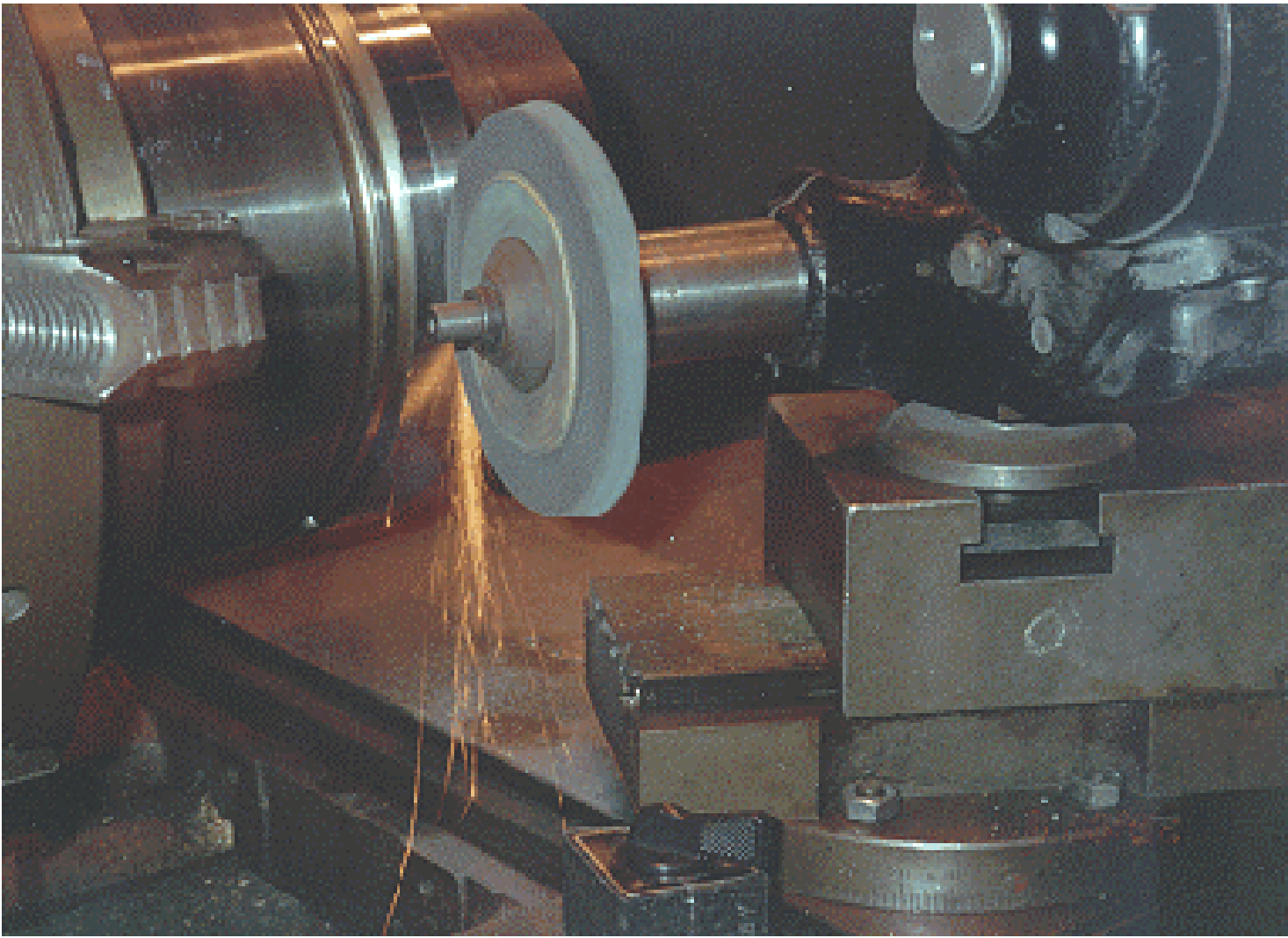
Proximity probes mounted for 1/rev (phase), dual thrust probes, & radial vibration.



Radial vibration, X & Y, with special electrical isolation mounting
on isolated generator bearing.



Burnishing a shaft to remove surface irregularities and improve concentricity



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24Vdc power supply



Current Meter



DC Voltage Meter

10Vdc at .050 mil gap (Apply + lead to center pin and - lead to outer shell of BNC Jack)

