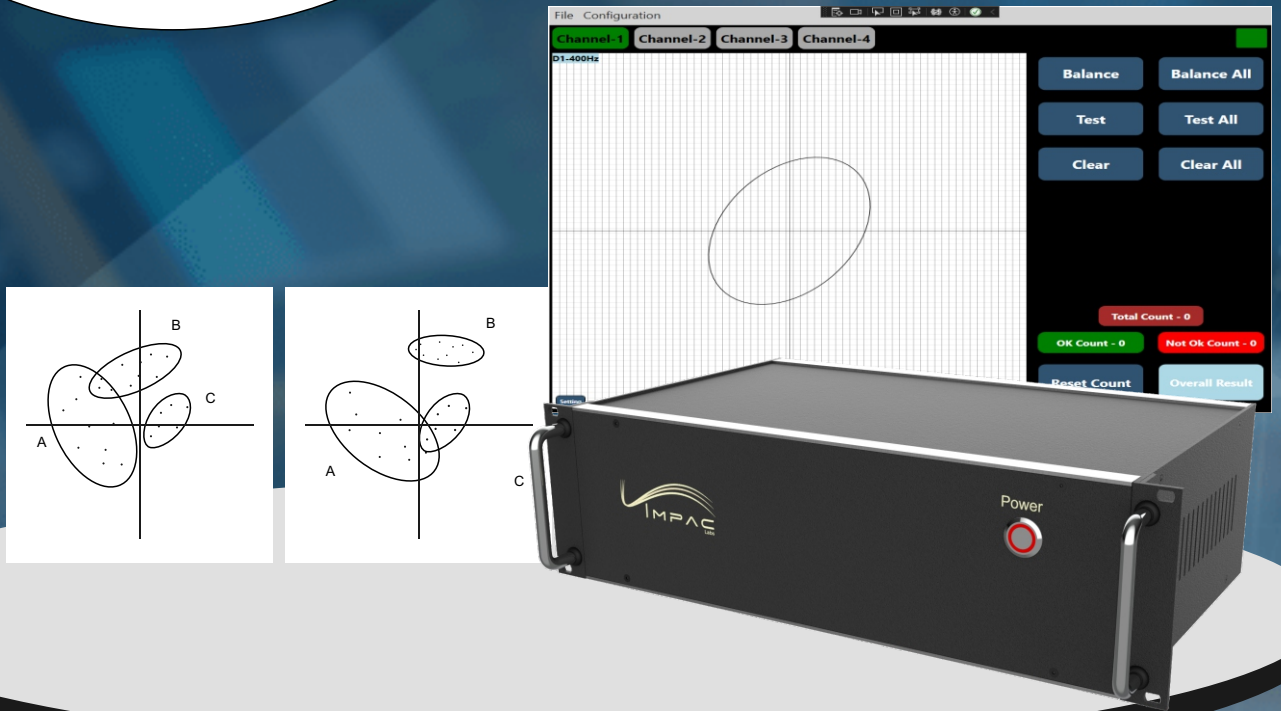




IMS401A

Single Frequency Multi Channel
Eddy Current Sorter



IMS401A is a single frequency multi channel independent for each channel, versatile eddy current comparator that can be used to segregate metallic components and raw materials. This system is particularly well-suited for rigorous quality assessments of essential automotive parts.

FEATURES

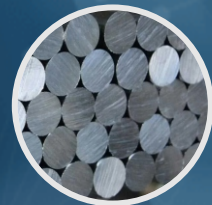
- ✓ Password protection.
- ✓ Advanced Data Logging
- ✓ Intuitive operation concept
- ✓ Built in OK & NG Parts Counter
- ✓ Automation support through PLC.
- ✓ Sorts components into two categories, OK & NG.
- ✓ Upto 4 Channels, each Operating on independent frequency.
- ✓ Windows software for advanced operations
- ✓ Multiple Independent Elliptical thresholds for each Channel.
- ✓ Housed in a 19" rack mounted enclosure for industrial integration.

SPECIFICATIONS

| Sr.No | Type | Value |
|-------|-------------------------|---|
| 1. | Frequency | Single Frequency Independent for each Channel |
| 2. | Frequency Range | 100Hz to 100KHz |
| 3. | Gain | 0 db to 55db |
| 4. | Phase | 0 to 359 deg |
| 5. | Digital I/O | 8 X Isolated Digital Outputs 8 X isolated Digital Inputs |
| 6. | Data Security | User level password protection |
| 7. | Automation Support | PLC Interface via Digital I/O |
| 8. | Communication Interface | RS232 |
| 9. | Operating System | Windows IoT Enterprise |
| 10. | Enclosure | 19" Rack mounted aluminium enclosure |
| 11. | Operating Voltage | 100V – 240 V AC, 47-63 Hz |
| 12. | Power Consumption | 100W |
| 13. | Dimensions | 483mmX264mmX132mm |
| 14. | Threshold | Multiple Elliptical |

APPLICATIONS

- Sorting raw materials by grade.



Grade



Forging

- Sorting forgings according to raw material type or heat treatment conditions.

- Sorting parts based on surface hardness.



Hardness

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