FINE WIRE Instruments

Diameter measurement, Laser Diffraction Sensors

Repeatability and stability ±0.03% of the diameter
Range from 5 to 2000 µm (0.2 to 80 mils), 3 models

LDSN0200: 5 to 200µm
LDSN0650: 15 to 650µm
LDSN2000: 45 to 2000µm

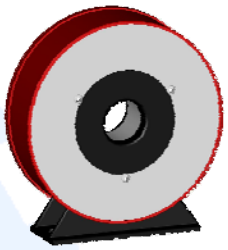
Top sales

with a complete line of accessories and software for in line and laboratory applications: portable, wire rotation, oscillating support, label printer…

PC software, network, for production and quality management.

SQM-Fine, Surface quality check

International patent

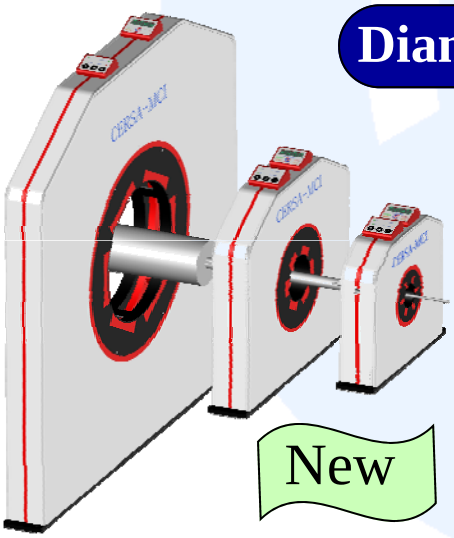


Advance

Min. 64 dots per turn
330 000 turns/sec.
Ø from 20 µm to 2mm (1 to 100 mils)

Applications to **enamelled, plated, stainless steel, tungsten, gold wires….**
But also, **high speed extrusion, coated optical fibres, colouring lines…**

CABLES, TUBES, RODS Instruments



New

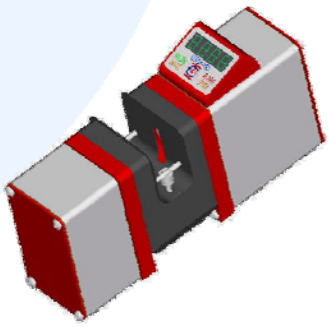
Diameter, ovality and defect check

From 3 axes, 20 to 160kHz per axis, 3 models:

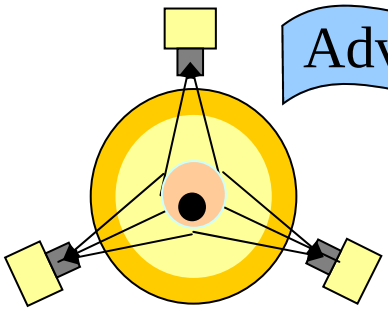
LPSN005-H3:	**Ø 0.3 to 5mm**	**0.01 to 0.2”**
LPSN020-H3:	**Ø 0.5 to 20mm**	**0.02 to 0.8”**
LPSN080-H3:	**Ø 1.0 to 80mm**	**0.04 to 3”**

To one axis, 200Hz

LPSN005 Ø 0.3 to 5 mm, ±2 µm
LPSN020 Ø 0.5 to 20 mm, ±6 µm
LPSN080 Ø 1 to 80 mm, ±20 µm



SQM-Large, Surface quality check



Advance

International patent

384 to 3000 dots per field circumference
20 to 160 thousand turns/sec.
Range, like LPSNH3 models
Applications to **cables, metal rods, tubes, glass rods**…

Measure & Control Instruments

sale@cersa-mci.com www.CERSA-MCI.com Tel.: +33 4 4202 6044

OPTICAL FIBRES

in line high performance measurement instruments
The only way to whole production quality certification

BARE FIBRE

LIS-Glass, V5.0 :

Top sales

(Laser Interferometric Sensor)
Diameter repeatability : **±0.02µm, 50kHz**
Diameter uncertainty : **±0.15µm**
Defect detection **100kHz**, event recording.
Ultra fine air line detection, 0.7µm, 400Hz.
Fibre tension measurement: **0-400 grams**
Spinning frequency profile measurement.
Fibre no circularity measurement.

International patent

LIS-G

NCTM, V2.0: (Drawing force)

(Birefringence principle)
Non Contact **Tension Measurement**.
Range: **0-400 grams,** Accuracy: **±1grams**
± 1 gr within **10-40°C** ambient.
Repeatability: **±0.5 grams**
Band pass: **1kHz**
Measurement field: **4 mm Ø**

Top sales

FibreWin PC software

AIR, V1.0 (AIRline detector)

Down to **0.7µm** air line diameter
100% glass section coverage without spinning
Detection frequency: **400Hz**

FibreWin PC software

CERSA-MCI's instrument data collection display, record and report.

New

NCTM
AIR

COATED FIBRE

LIS-C

FEM, (Fibre Eccentriciry Measure-

Coating asymmetry when fibre spin
Concentricity sensitivity: 0.1µm
Measurement frequency **15 Hz**

Top sales

LIS-C
FEM

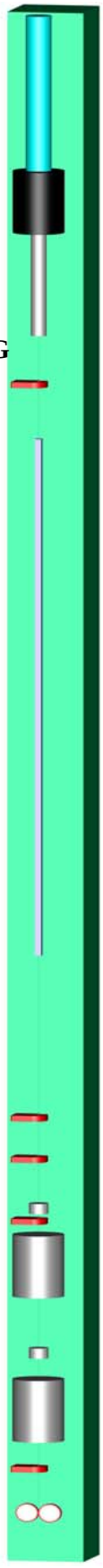
FED, (Fibre Eccentriciry Display)

Coating asymmetry display when fibre doesn't spin

LIS-Coating, (Laser Interferometric Sensor)

Coating diameter and asymmetry, Band pass **30Khz,**
Airlines, bubbles, lump, neck…100kHz

Advance



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Measure & Control Instruments