

Ultrasound coupling gels

MATRIX :

The excellent wetting properties and thixotropy of MATRIX provides excellent sound transmission. It was developed specifically to facilitate ultrasonic inspection on construction sites and large areas.

Non water soluble.

Using Temperature -10°C > 120°C



SG 1 Biodegradable-certified gel:

Sound Good 1 agent is a new generation product, made as a gel due to an effect of low molecular bonds disturbances (non-thixotropic, it is half-pasty / half-fluid, very easy to spread out and very adherent to the surface even in vertical or plumb!). Using temperature from 0 °C to 50 °C without significant change, above & up to 80 °C max, it becomes more and more liquid.

Partially aqueous, non-drying gel, easily adaptable to poorly degreased surfaces and easy to be rinsed. Pink-colored, fluorescent under Uva for control of the wash if needed, almost colorless in thin layers.

GST :

The GST is a silicone gel with high boiling point due to additives. It can be used for ultrasonic inspection of large areas up to 250 °C. The product does not flow, does not dry, and provides excellent sound transmission even at high temperatures.



Ankoril gels :

Aqueous gel, transparent colorless or transparent green. Can be diluted in 50 % water.

Packaging :
Box of 5 x 200 mL
Barrel of 1, 5 or 25 Liters.



Thickness and surface roughness measurements: BabbVCo Ultrasounds. Main devices.



MT 150 :

Device for measuring the thickness of a wide range of materials such as steel, plastic, glass, ceramics and other homogeneous materials.

- Function : Calibration in 2 points
- 1 point-measurement or scanning measurement mode
- Coupling indication
- Automatic stop for saving batteries
- Measurement storage
- Measuring range from 0,75 mm to 300 mm (Steel)
- Adjustable speed from 1000 to 9999 m/s
- Resolution: 0,1 mm
- Precision: +/-0,5% (thickness +0,04 mm)
- 2 unities configurable: metric or inches
- 4 measurements per second (Pr = 4 Hz) in static mode, and 10 measures per second (Pr= 10 Hz) in scanning mode
- 20 files memory (up to 99 measurements for every file)
- Supply with 2 dry batteries type "AA", shelf life of 100 hours

MT 160 :

Device for measuring the thickness of a wide range of materials such as steel, plastic, glass, ceramics and other homogeneous materials.

- Function : 2 points calibration
- 1 point measurement or scanning measurement mode
- Coupling indication
- Automatic stop for conserving batteries
- Measurement storage
- serial port for printer / PC connection
- Measuring range from 0,75 mm to 300 mm (Steel)
- Adjustable speed from 1000 to 9999 m/s
- Resolution : 0,01 mm or 0,1 mm configurable
- Precision : +/-0,5% (thickness +0,04 mm)
- 2 unities configurable: metric or inches
- 4 measurements per second (Pr = 4 Hz) in static mode, and 10 measurements per second (Pr= 10 Hz) in scanning mode
- 20 files memory (up to 99 measurements for every file)
- Supply with 2 batteries type "AA", shelf life of 100 hours



THICKNESS GAUGES

Thickness Gauges

Surface roughness tester

UM-2D :

Device for measuring the thickness of a wide range of materials such as steel, plastic, glass, ceramics and other homogeneous materials.

- **Function measurements under coating or paint**
- Function : Calibration in 2 points
- 1 point measurement or scanning mode
- Coupling indication
- Automatic stop for saving batteries
- Data Logger
- Large back lit LCD screen
- Measurement range from 0,75 mm to 300 mm (Steel)
- Adjustable speed from 1000 to 9999 m/s
- Resolution: 0,01 mm or 0,1 mm configurable
- Precision: (1% thickness +/-0,02 mm) as per using conditions & measured material
- **2 measurement modes (Standard or under coating/paint)**
- 4 measurements per second (Pr = 4 Hz) in static mode
- 5 files memory (up to 99 measurements for every file)
- Supply with 2 batteries type "AA", shelf life of 100 hours
- Size 149x73x32 mm – Weight 160 g
- Supplied with measurement probe under PT08 coating



CTS-30A :

Compact device allowing thickness measurement of a wide range of materials such as steel, plastic, glass, ceramics and other homogeneous materials.

- **Function: thinnest values, measurements average, high/low limit, differential,...**
- Auto-calibration
- **1 point measurement or scanning measurement mode**
- Coupling indication
- Automatic stop for saving batteries
- Measurement storage
- USB port for exporting the datas.
- Supply with 2 batteries dry type "AAA"
- Shelf life of + 40 hours
- USB Port
- Weight 120 g
- Size : 65mmx98mmx24mm
- Using temperature : -10°C à 50°C

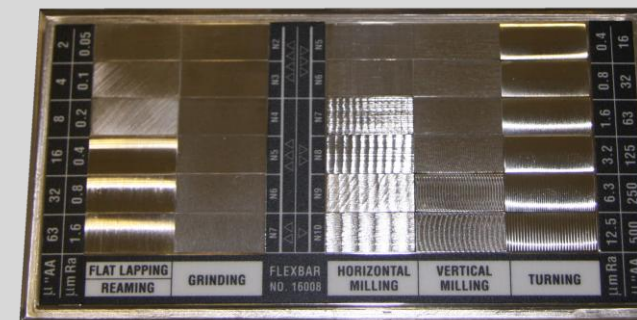


- Measurement range of 0,75 mm to 400 mm
- Adjustable speed of 1000 to 9999 m/s
- Bandwidth from 0.5~10MHz (-3dB)
- Resolution : 0,01 mm ou 0,1 mm configurable
- Alarmes MINI et MAXI (visuelle et sonore)
- 2 measures per sec (Prf= 2 Hz) in static mode, and 10 measures per second (Prf= 10 Hz) in scanning mode
- Memory of 5000 values



KR100:

- Pocket size & economic price
- Uses the DSP microprocessor
- Wide range of measurement
- Ra & Rz parameters on 1 device
- Supply with 1 battery of 3.7V, lithium -ion rechargeable
- Display in real time of remaining energy
- USB port



Tracing length	6 mm
Tracing speed	1.0mm/sec
Cut lengths	0.25mm/0.8mm/2.5mm
Evaluation length	1.25mm/4.0mm
Measuring range	Ra: 0.05-10.0µm Rz:0.1-50µm
Radius and angle of the stylus point	Radius : 10µm ± 1µm Angle : 90° (+5° or -10°)
Precision	±15%
Using temperature	-20°C – 40°C
Weight	200g
Size	106×70×24mm

Set of roughness test:

Our set of surface roughness contains 30 samples of 7 / 8 "x 3 / 8" of nickel test panels to quickly assess the surface finish for six most common machining methods. The marks for each standard polishing, milling, grinding, boring and turning are AA (micro-inches) and metric equivalent Ra (micrometers). Each type of surface is constantly reproduced from an original and is accurate to ± 10% of the nominal value. Ideal for laboratory quality assurance, engineering departments, and shops of machinery, the standard gives the designer or the operator a realistic idea of the appearance, texture of machined components. Instructions and correlation graph CLA / Ra / AA are included. The standard is packaged in a very useful storage box of 6 "x3". N.I.S.T calibration report is included.

Calibration Test Panels



Other test panels are available, please contact us for more information.