

HATINA 4S

MEMs Solution

Hatina platform is able to drive and produce different stimuli, and perform devices testing, both at wafer level and final test. Hatina 4S can be adapted to all major handlers, where stimuli are already available.

Very compact solution for MEMS device testing!

Increase production throughput and reduce costs because it allows the qualification of different types of devices without changing interface board



Applications



MEMs

DIFFERENT CONFIGURATIONS FOR DIFFERENT TYPES OF TEST



Dimensions

Height: 538 mm
Width: 360 mm
Depth: 330 mm

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HATINA 4S

MEMS SOLUTION



MAGNETIC FIELD GENERATOR MAGNETOMETER

Magnetic Sensor Testing Solution.

Main Features

- Up to 400 Gauss
- 35/70 sites in parallel
- Single reference per site
- Patented coil less solution
- 3D rotating magnetic field



TWIST & TILT UNIT ACCELEROMETER & GYROSCOPE

Low footprint solution to drive M&MEMS kit.
To test Accelerometer and Gyroscope at final test.

Main Features

- Direct installation on the tilt and twist unit
- 32 sites parallel testing
- 64 PPMU + 320 Digital Channels
- DSP Embedded



MICROSPEAKERS MICROPHONE

Microtest's complete solution to test MEMS
Microphones including stimuli & devices handling.

Microtest, in partnership with major handler
makers, is able to provide complete test solution
for any kind of MEMS device.

Main Features

- SNR up to 75dB
- Max SPL up to 140dB
- Less than 20dB SPL noise floor
- Accuracy of SPL < 0.1dB
- THD < 0.1%
- Up to 70 sites parallelism
- Test frequency from 20Hz to 20kHz



HUMIDITY CHAMBER HUMIDITY SENSOR



PRESSURE CHAMBER PRESSURE SENSOR



TEMPERATURE CONDITIONING TEMPERATURE SENSOR

Hatina 4S can fulfill test requirements for MEMS
Humidity, Pressure and Temperature sensor at final Test.

Main Features

- Automotive range (-40 +180 °C)
- Dynamic Temperature Conditioning
- 32 sites running production
- Possibility to manage higher parallelism: 35/70/140...
Also, in ping pong
- Higher throughput

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