

ATHENA



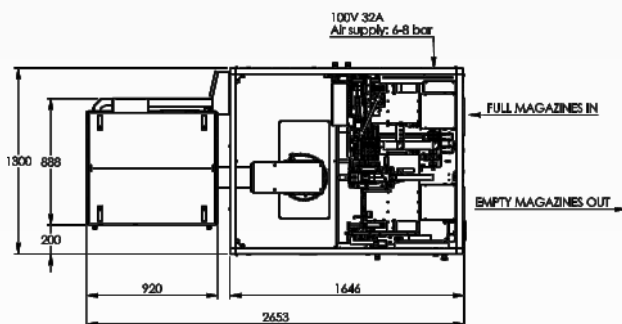
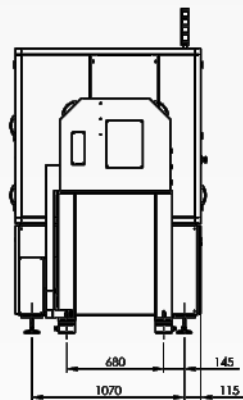
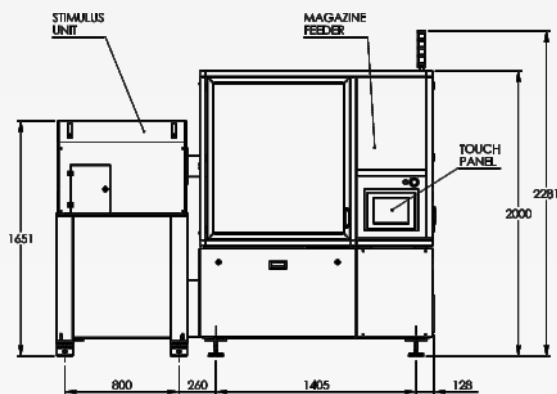
Athena handler combines Afore's high accuracy 2-axis stimulus unit and loader. Its performance is especially suitable for testing low-g accelerometers and gyroscopes in high volumes. Together with Afore's TOTA method, Athena is well capable of handling singulated components on tape boats as well as strips or lead frames.

Minimal noise. Athena's construction prevents transmission of mechanical noise from loader to the stimulus unit. Turning axes motors can be switched off in static positions (accelerometer testing) in order to minimize mechanical and electrical noise. Athena offers ideal testing conditions for high accuracy MEMS sensors.

Stimulus accuracy. Two-step active alignment gives excellent positioning accuracy for the sensors under test. Athena's two real gyro axes enable individual stimulus of each sensor axis also for 3-axis gyro sensors.

AFORE
Meant for MEMS

ATHENA



HANDLER MECHANICS

1. axis	0...360°
2. axis	0...360°
Yaw rate:	
1. axis	30-300°/s (others by request)
2. axis	30-300°/s (others by request)
Yaw rate accuracy	typical <0,4% from actual rate
Positioning accuracy	<0,2° (includes product positioning), repeatability <0,05°
Leadframe width	max 35 mm
Leadframe length	max 200 mm
Leadframe change time	< 10 s`
Contacting system	per request

CONTROL SYSTEM

User interface	12" colour touch panel
Communication	Ethernet, ASCII-prompt protocol for easy communication with LabView or similar

INFRASTRUCTURE

Weight	1400 Kg
Pressure	6 Bar
Power	400 V / 32 A, 3-phase

OPTIONS

Leadframe ID code reader before and/or after testing
Magazine ID code reader before and/or after testing
Multiple leadframes parallel