

# PERMANENT MAGNET SHAKER

## DYN-PM-20

DynaLabs permanent magnet shakers create motion by magnets and coils pushing and pulling each other, similar to the technology used in loudspeakers.



# DynaLabs

## ALL-IN-ONE SHAKER

What sets our shakers apart is the integrated amplifier, which makes them incredibly easy to use. The built-in electronics can also generate sinus signals, enabling simple tests without the need for vibration controllers. The DYN-PM-20 and PM-100 models come with an integrated amplifier and a highly flexible sine wave signal generator, allowing frequency adjustment from 1 Hz to 12,000 Hz. With their lightweight design and powerful performance, they are the ideal solution for vibration testing.



### Advantages

- Lightweight, durable, portable and easy to use
- Adjustable trunnion base provides high degree of flexibility
- Broad frequency range
- Embedded power amplifier and signal generator



### Application Areas

- Vibration testing of small parts
- Sensor calibration
- Modal testing
- Shock testing
- Fatigue and resonance testing



#### DYNALABS MUHENDISLIK LTD STI

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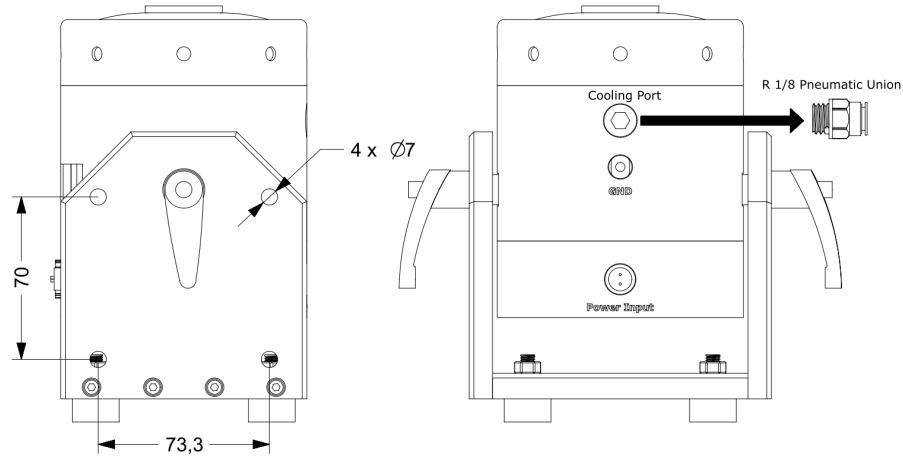
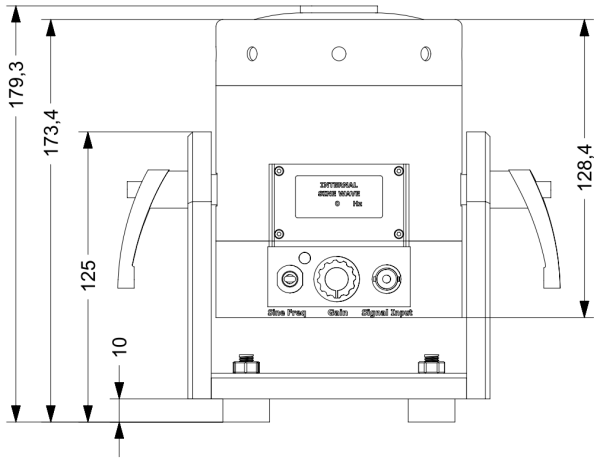
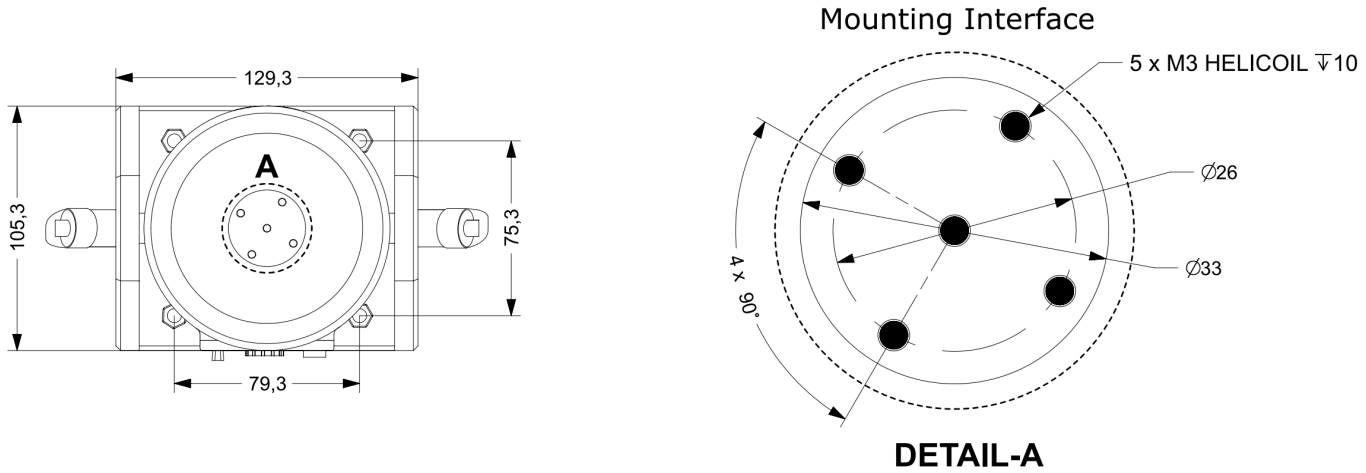
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# DynaLabs PERMANENT MAGNET SHAKER

## DYN-PM-20



Output Force (Sinus)	Frequency Range	Max Payload (Vertical)	Displacement (P-P)	Maximum Acceleration	Shaker Weight	Cooling System	Armature Weight
20 N	0-12 kHz	0.8 kg	5 mm	40 g	4.1 kg	Natural Convection	51 gr
Operating Temp. Range	Suspension	Maximum Input Current	AMPLIFIER	Power Supply Voltage	Power Supply Current	External Signal Voltage Level	Max Velocity
5-35 °C	Spring	4A (RMS)	INTERNAL	19 V (DC)	4.74 A	1 VAC (PEAK)	1 m/s



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