



## **vlmpact-200 I**

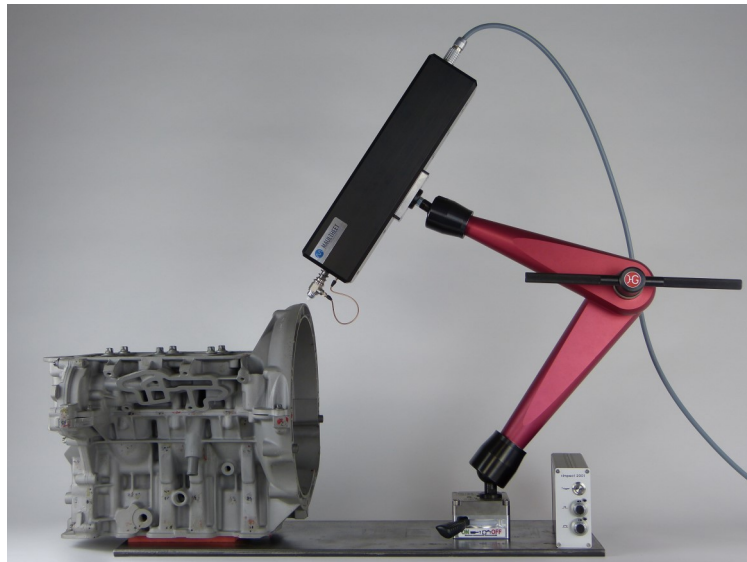
- **Automatic Modal Hammer**
- **Adjustable Impact Intensity**
- **Timer Operation:**  
*1 impact per s to  
1 Impact per 1000 s*
- **External Trigger:**  
*TTL, closer*
- **High Excitation:**  
**2000 N**  
**(Steel on steel)**
- **Works in all Directions**
- **Frequency Range up to 6 kHz**
- **High Impact Repeatability**

## **Adjustable Automatic Modal Hammer**

**for high forces > 2 kN**

The new **vlmpact-200 I** hammer was developed for excitation forces above 2000 N (steel on steel) in all directions. The Impact amplitude can be setup by the controller.

The **vlmpact-200 I** was designed for applications where a high repeatability is required and in test areas where persons are not allowed to stay inside during operation. A typical application is an automatic modal analysis with a Scanning Laser Doppler Vibrometer.



Large structures can be excited with the **vlmpact-200 I** in the frequency ranges up to 6 kHz. A further influence of the peak value of the force and the excitation frequency spectrum can be obtained by using different hammer tips

The **vlmpact-200 I** system consists of three components:

- Hammer head
- Control unit
- Power Supply

Optionally, we can also supply a hydraulic arm fixed by a switchable solenoid to position the vlmpact-200 I head.



The hammer can be triggered in various ways:

- With the internal timer in the range of 1 hits per second up to 1 hit per 1000 seconds.
- Manually with the trigger button at the front of the control unit.
- By closing the external input with a switch through an extension wire or by any device with a closing contact.
- By a TTL signal.



## Technical Specifications:

Impact Force	Adjustable
Max. Force	> 2000 N peak
Frequency Range	> 6 kHz, depending on object
Coupling	2-4 mA, IEPE
Trigger	Timer Button External contact (Closer) TTL-Signal 40....200ms
Power supply	36V DC
Mass	Head: 4.9 kg, Controller: 0.6 kg
Dimensions Head	340 mm x 80 mm x 80 mm

## Information:

For further information, please contact us.

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