



## **vImpact-2002**

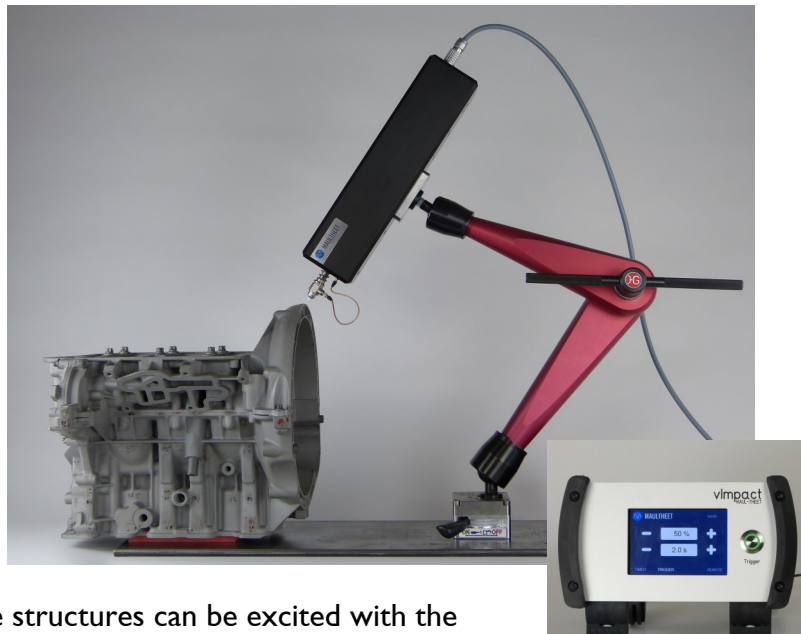
- **Automatic Modal Hammer**
- **Adjustable Impact Intensity**
- **Timer Operation  
1 impact per 2s to  
1 Impact per 9999s**
- **External Trigger Closer**
- **High Force  
> 2000 N  
(Steel on steel)**
- **Works in all Directions**
- **Frequency Range  
up to 6 kHz**
- **High Impact Repeatability**
- **Touch Screen**
- **Remote Control**

## **Adjustable Automatic Modal Hammer**

**for high forces > 2 kN**

The new **vImpact-2002** hammer was developed for excitation forces above 2000 N (steel on steel) in all directions. The Impact amplitude can be adjusted with the touch controller.

The **vImpact-2002** 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 **vImpact-2002** 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 **vImpact-2002** system consists of three components:

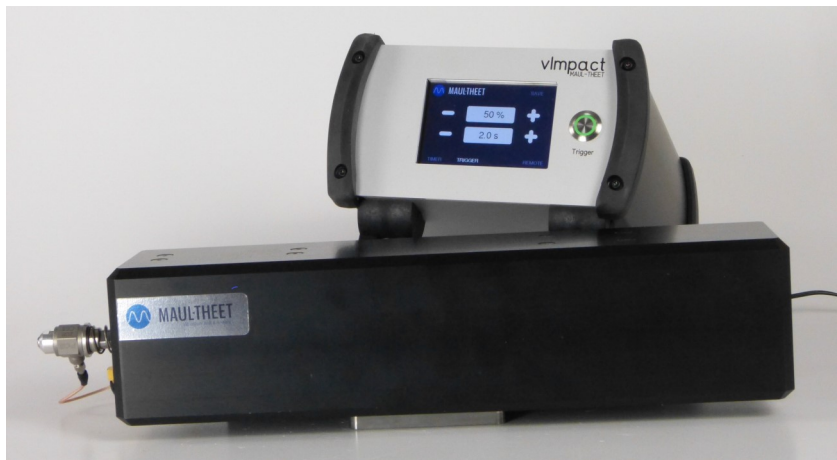
- Hammer head
- Touch Control unit
- Power Supply

Optionally, we can also supply a hydraulic arm fixed by a switchable solenoid to position the **vImpact-2002** head.



The hammer can be triggered in various ways:

- With the internal timer in the range of one hits per 2 seconds up to one hit per 9999 seconds.
- Manually with the trigger button at the front of the touch controller.
- By closing the external trigger input with a switch through an extension wire or by any device with a closing contact.
- By ASCII commands sent via USB Port.



## 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) USB Interface
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.