

LARSLAP MODEL MV

A unique patented measuring and documenting machine.

For measuring and documenting sealing surfaces dimensions and positions in industrial valves.

With requirement of 100% operation of the energy and industrial production, it is required that your valves function properly and follows the given requirements on the density. Valve, inner sealing surfaces are worn in different ways and can have major or minor damage and this must be remedied to prevent problems in the operation.

LarsLap Model MV is controlled by the computerized control box, which is easy operated with a touchscreen. During the measurement process you can continuously follow the measuring points on the display.

All information from the linear motors and the laser beam is recorded along with the valve's different measuring points and the user's specific needs.



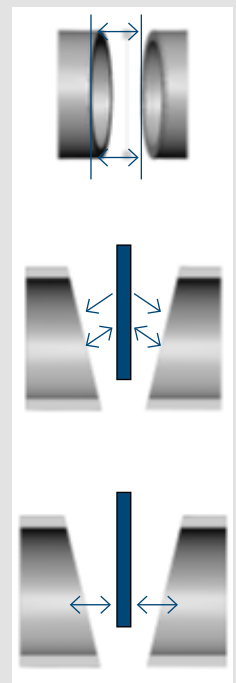
Model MV

With LarsLap's unique patented method of measuring the valve sealing surface, all necessary measurement can be done, such as;



Picture showing LarsLap Model MV1

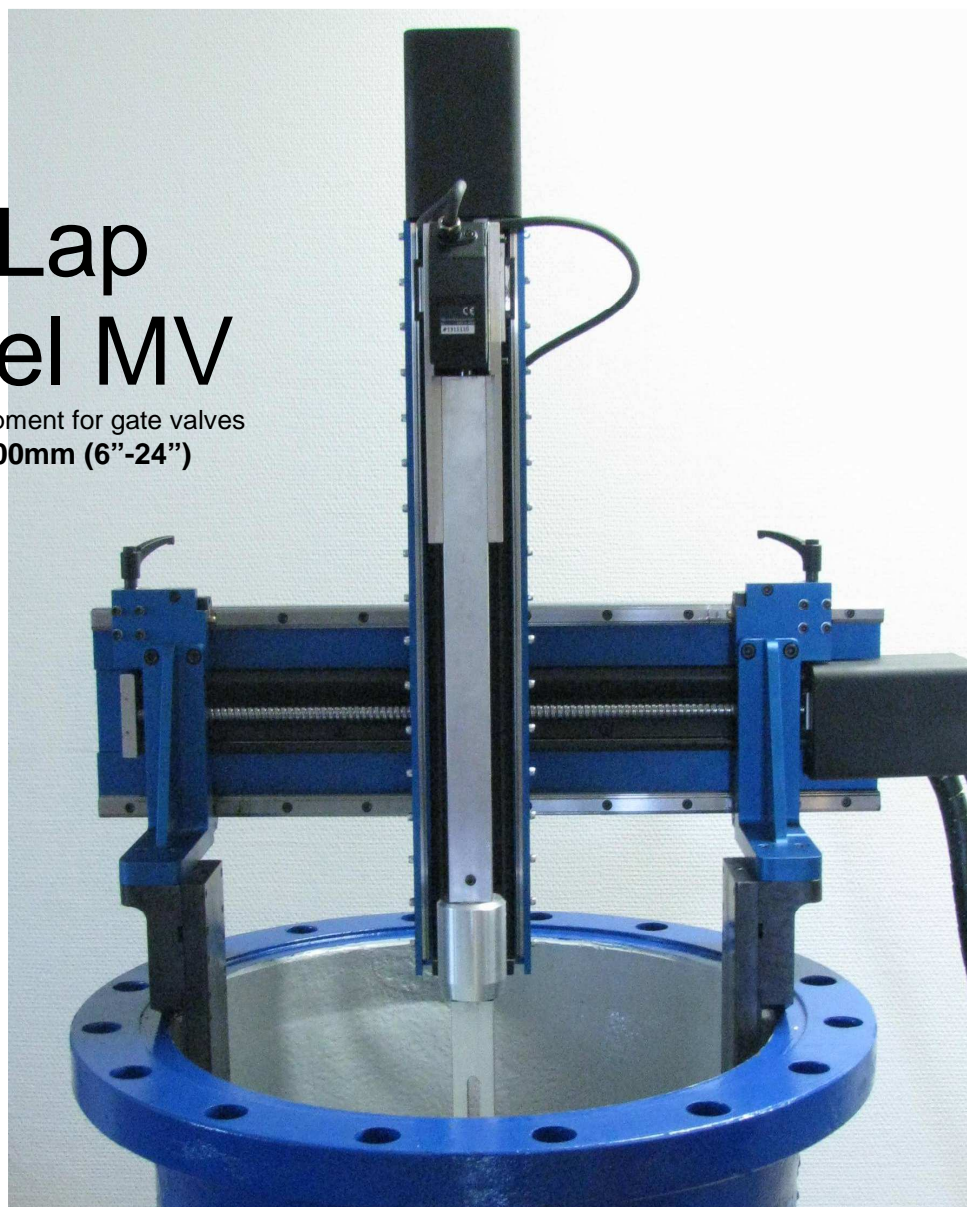
- Measurement of parallelism of seats in relative to the guides
- The angle between the seats relative to the guide
- Distance between seats and guides in ratios to the center of the seat



Tools with the cutting edge

LarsLap Model MV

Measuring equipment for gate valves
Range: 150-600mm (6"-24")



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Tools with the cutting edge

LarsLap – the optimal valve maintenance system

Repairing leaking valves in industrial pipelines is a laborious operation involving extended downtime, production losses and substantial, unwanted costs.

Losses are minimized if valves can be reground *in situ*, precluding the need to dismantle and remove defective valves from the pipeline.

LarsLap's portable, industrial valve grinders with their patented design concept are the proven solution for on-line valve reconditioning.

Our stationary equipment with its innovative design makes the work shop more effective and reliable.

Available in overlapping sizes, LarsLap grinders combine unsurpassed versatility with exceptional ease of handling and operation.

LarsLap test benches are produced with care and quality. Originally designed for the nuclear industry and the high demands that they expect.

A combination guaranteed to give LarsLap tools cutting edge performance, whatever the valve location.

Welcome to the world of LarsLap

LarsLap model MV

The best way to a perfect result

On-line or stationary for fast and exact results

LarsLap model MV patented unique, lightweight clamping system allows single operated, rapid, accurate measuring of gate valves and wedges.

The patented system is fully automated which gives an exact and perfect result time after time.

Whether you use the MV *in situ* for valve condition check, valve specification control, to be able to produce a perfectly fitted wedge or if you use it in production for quality check or in the production line, the LarsLap MV will give you the exact measurements that you can rely on, time after time...

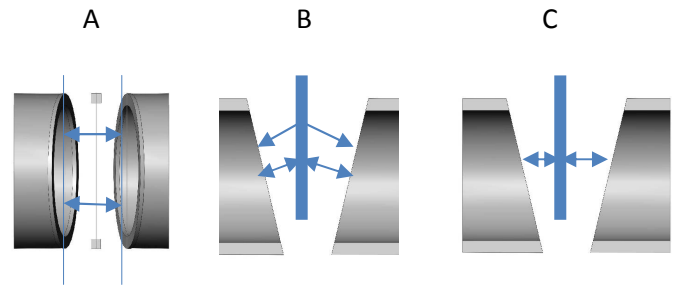


Tools with the cutting edge

Exact measurements

The model MV is equipped with a unique and patented fully automated laser system.

See in the examples on what the MV is capable of.

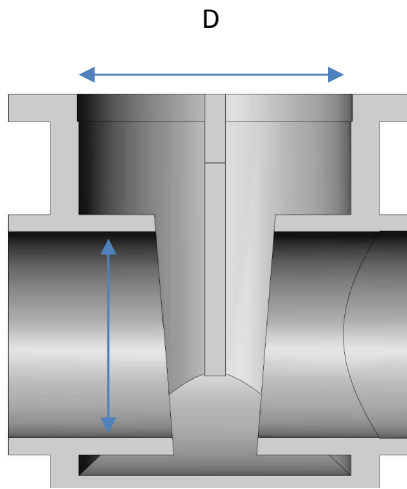


A: Parallelism between the seats and the wedge guide and between the seats.

B: Angle between the seats and between the seat and wedge guide.

C: Distance between the seat centers, between seat centers and the center of the wedge guide and from the seat centers to the actual center.

D: Cylindrical diameter and inside diameter of the seat



Easy to use control box

The control box for the MV contains a heavy duty touchscreen computer that controls movement and records all data necessary. With a USB stick or via wifi the data can be transferred to your normal work station.



Complete in one carrying case

Every LarsLap model MV is supplied with a rugged, customized carrying/storage case complete with all necessary accessories. The case is fitted with specially designed compartments molded to the shape of each component, allowing operators to confirm at glance that all items are in place before and after grinding.

LarsLap model MV

A selection of standard models

Other accessories are available on request

	MV 150-600mm (6"- 24")	MV G 600 150-600mm (6"- 24")
Base unit with electrical motors for movement in X and Y direction. Connection wings for clamping plates and quick mount for laser arm	•	•
Laser measuring arm with 360° rotation	•	•
Control panel box with touch screen computer, indicator panel for on-going activity, connectors for electrical motors and laser, emergency stop, on/off switch, USB port and power connector	•	•
Clamping plates short	•	•
Clamping plates long	•	•
2m connector cable for electrical motors	•	•
2m connector cable for laser	•	•
Tools necessary for operation	•	•
Operations manual	•	•
Protector case for laser arm	•	•
Heavy duty case for control panel	•	•
Heavy duty case for measuring equipment	•	•
LarsLap model G grinding machine 150-600mm(6"-24")		•

Model MV

Dimensions

B1	B2	D1	D2	A
50mm (2")	35mm (1,378")	200-600mm (8"-24")	650mm (26")	Min 200mm (8") Max 700mm (28")

Weight complete set excl. control box: 45kg

Weight control box: 12kg

Dimension complete set excl. control box: 700x700x250mm
(28"x28"x10")

Dimension control box: 550x300x250mm
(22"x12"x10")

