Tools with the cutting edge

LarsLap
Model MV
Measuring equipment for gate valves and wedges
Range: 150-600mm (6”-24”)

LarsLap®
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 workshop 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.

Weather you use the MV in situ for valve condition check or valve specification control 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.

![Diagram of laser system](image)

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 registers all data necessary. With a USB stick or via wifi the data can be transferred to your normal work station.

![Control box](image)

**Complete in one carrying case**

Every LarsLap model C 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

<table>
<thead>
<tr>
<th>Tool/Accessory</th>
<th>MV 150-600mm (6”-24”)</th>
<th>MV G 600 150-600mm (6”-24”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base unit with electrical motors for movement in X and Y direction. Connection wings for clamping plates and quick mount for laser arm</td>
<td>•</td>
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<tr>
<td>Laser measuring arm, turnable 360°</td>
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<tr>
<td>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</td>
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<td>•</td>
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<tr>
<td>Clamping plates short</td>
<td>•</td>
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<tr>
<td>Clamping plates long</td>
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<td>•</td>
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<tr>
<td>2m connector cable for electrical motors</td>
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<td>•</td>
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<tr>
<td>2m connector cable for laser</td>
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<tr>
<td>Tools necessary for operation</td>
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<tr>
<td>Operations manual</td>
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<tr>
<td>Protector case for laser arm</td>
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<td>•</td>
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<tr>
<td>Heavy duty case for control panel</td>
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<tr>
<td>Heavy duty case for measuring equipment</td>
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</tr>
<tr>
<td>LarsLap model G grinding machine 150-600mm(6”-24”)</td>
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</table>

**Model MV**

**Dimensions**

<table>
<thead>
<tr>
<th>B1</th>
<th>B2</th>
<th>D1</th>
<th>D2</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>35</td>
<td>200–600</td>
<td>650</td>
<td>Min 200 Max 700mm</td>
</tr>
</tbody>
</table>

Weight complete set excl. control box: 45kg
Weight control box: 12kg
Dimension complete set excl. control box: 700x700x250mm
Dimension control box: 550x300x250mm