

## LM100E Portable grout mixer

### Description

LM100E Portable grout mixer is a high speed high shear colloidal grout mixer. It is mainly used for ground and underground engineering construction, such as roads, railways, hydropower, construction, and mines.

It can quickly mix water, cement and other media into a uniform slurry. Then the well mixed uniform slurry convey to the external equipment for grouting. This cement grout mixer can realize the continuous mixing operation. Compared with the traditional cement mixer machine, it has the advantages of high mixing speed and evenly stirring.



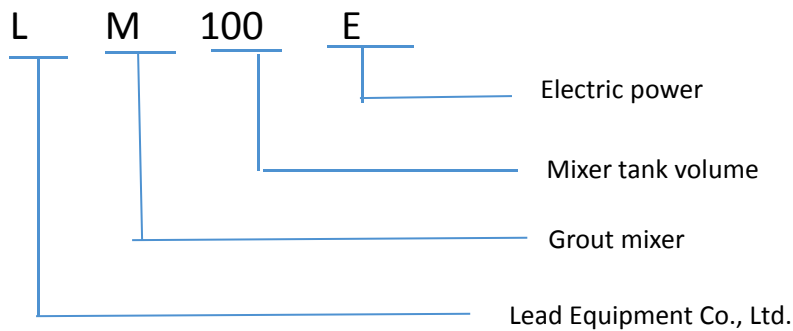
**Technical data:**

| Model              | LM100E          |
|--------------------|-----------------|
| Capacity           | 100L            |
| Water cement ratio | More than 0.5:1 |
| Impeller speed     | 1500rpm         |
| Mixing time        | 2-3min          |
| Weight             | 235kg           |

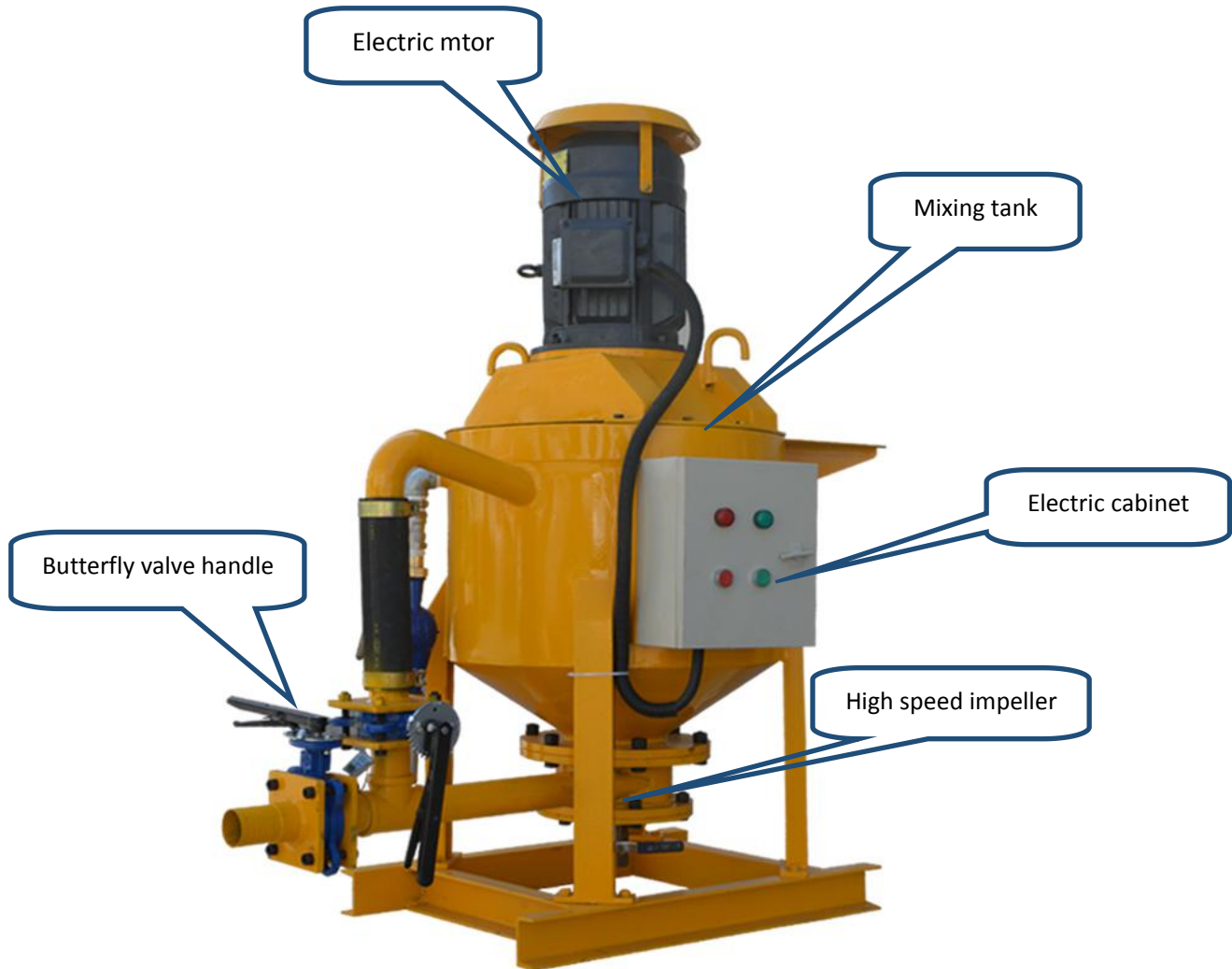
**Feature**

- High speed mixing with high efficiency. Just 2-3 minutes can finish the mixing.
- Simple structure, light weight and simple to maintain
- No wear parts, low maintenance costs
- Electric motor, easy to install and maintenance

**Model selection**



### Detail picture





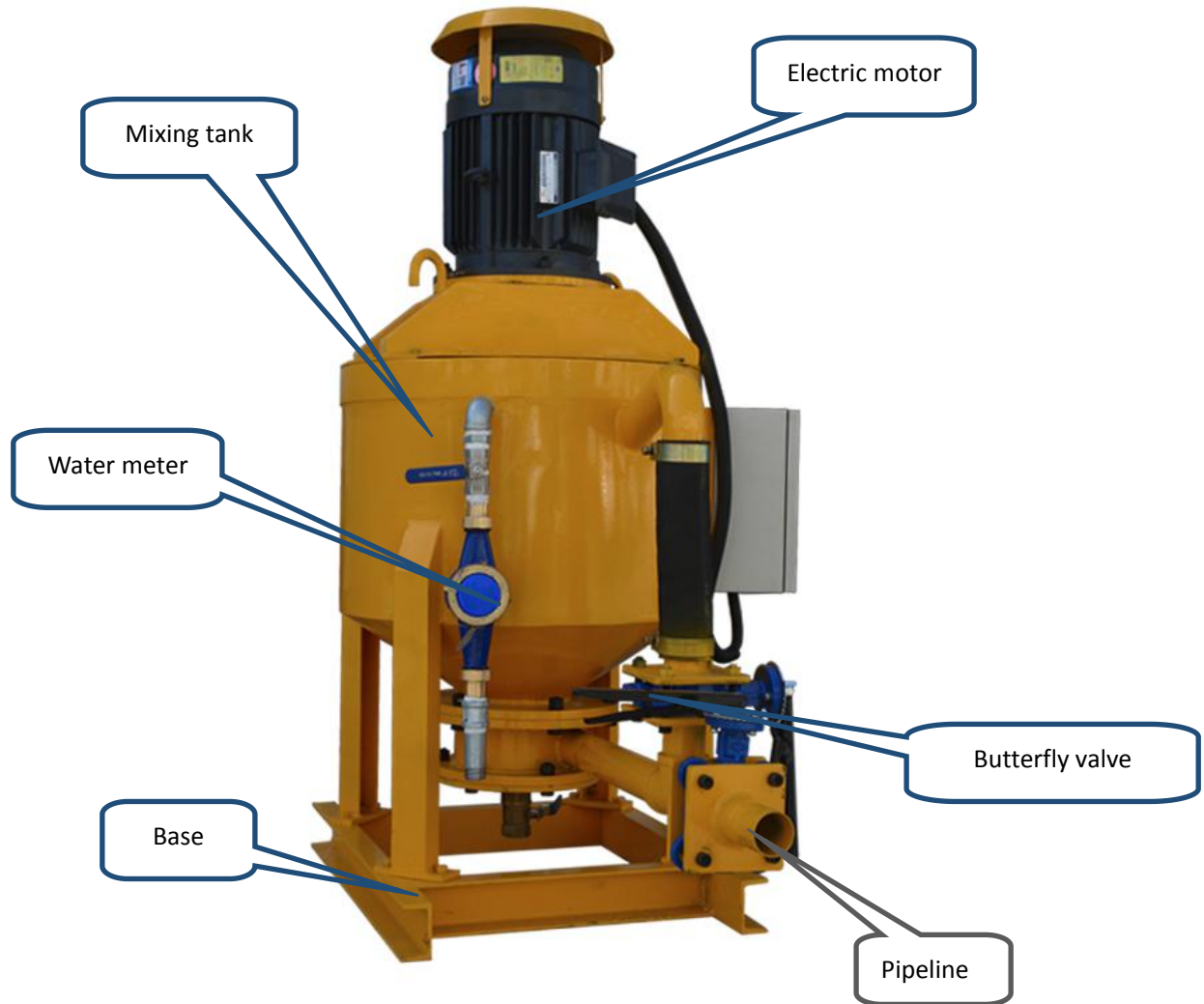
# 郑州佰利得机器制造有限公司

Zhengzhou Lead Equipment Co., Ltd.

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## Certificate



## Working principle

The grout mixer is driven by an electric motor, it drives the impeller to rotate at a high speed. The slurry is sucked from the bottom into a swirling shape, and a high-speed slurry is sprayed from the upper end of the tank, and a strong vortex is formed in the mixing tank. The dry powder and the water are fully and uniformly stirred, thereby achieving uniform slurry preparation.

During the mixing process, close the butterfly valve. Connecting shaft driving the impeller, high speed rotation generates high speed liquid flow. The material in the mixing tank is circulated and stirred in a high-speed liquid flow. After 2-3 minutes, the slurry is evenly mixed. And then open the butterfly valve, the slurry will transfer to other matched machine by using a pipeline. After liquid transferring finished, the handle of the butterfly valve is rotated to closed position and prepare for the next mixing. At this point, the second mixing operation can be carried out. This can ensure continuous rapid mixing realized.



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