



LAHTI
PRECISION

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Lahti Mixer

L-Series Batch Mixer for Dry Mix Production

- Horizontal twin shaft batch mixer
- Mechanically fluidised mixing zone
- Low energy consumption
- Low maintenance costs
- Reliable
- 4 x intensive high speed agitators
- No dedusting required while mixing

A NEW BATCH MIXER FROM LAHTI PRECISION

Lahti Precision has long experience of batch mixing. The company is one of the world's leading suppliers of glass batch plants and mortar plants providing a complete package for the business - a package with unique technical advantages.

Lahti Precision has launched a new horizontal twin shaft mixer for dry mix production. The new mixer is characterised by enhanced mixing efficiency and homogenous mixing specially tailored for dry mix products.

SUBSTANTIAL INCREASE OF MIXING CAPACITY

Effectiveness of the Lahti Mixer is based on multiblade twin shaft technology with material fluidisation.

There are many advantages using fluidised mixing zone. The mixing time is decreased significantly. Also wearing of the blades and surfaces are decreased thanks to low radial speed of the main agitator.

The fluidised mixing zone is designed to minimize residues. That decreases cleaning time between product changes. Reduced mixing and cleaning time increases the mixing capacity.

OPTIMAL MIXING TECHNOLOGY

Effectiveness of the twin shaft mixing technology is based on both mechanically fluidised mixing zone and horizontal material circulation inside the mixer. The twin shaft system together with high-speed agitator tools provides top-class mixing result

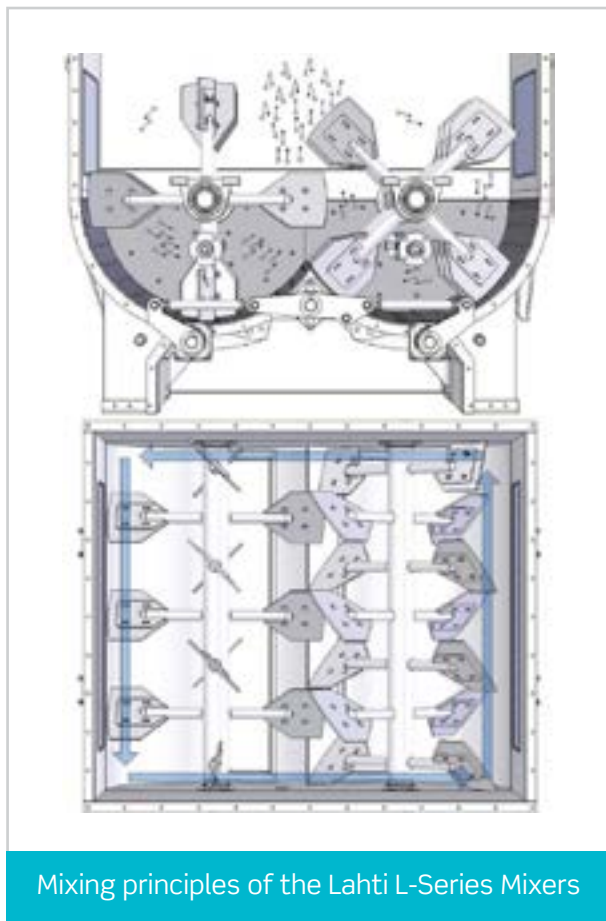
The Lahti Mixer is a robust and wear resistant solution for large capacity batch production. It provides high reliability and low maintenance costs.

The mixer is service friendly and easy to clean through the large side doors, which cover the whole length of the mixer.

MIXING PRINCIPLES

The design of the rotors gives homogeneous mixture with low rotation speed (32 rpm). The blades create a mechanical fluidising zone in the middle of the mixer.

The angles of the paddles are arranged in such a way that the mixed material moves continuously counter clockwise inside the mixing chamber and the blades on each rotor overlap each other.



RIGHT AGITATOR TOO FOR DRY MIX PRODUCTION

Four selectable high-speed agitator tools with rotation speed 3000 rpm, are mounted in the lower part of the mixers' end walls. The agitator knives are used for agglomerates crushing and intensive mixing. The tools are in full operation also at half of mixer filling level.



THE MIXER WITH LONG LIFE CYCLE

The mixer is designed for long life cycles. All chosen components are of the highest quality, which ensures low maintenance costs.

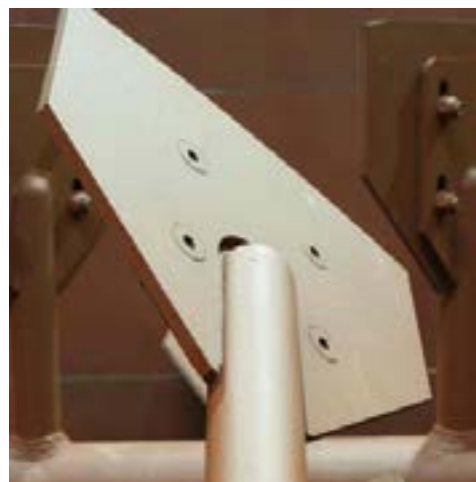
The discharge doors are equipped with a selflocking torque arm system. In most applications vibration dampers are included in the delivery to prevent vibrating stress of the equipment and the foundation.

The mixing zone is coated with Hardox steel plates. These abrasion resistant plates are easy to change during maintenance session. The mixer blades are both adjustable and changeable and made of wear resistant steel.

LAHTI MIXER SAVES MONEY AND THE ENVIRONMENT

Lahti batch mixer gives more value to the customers. This reliable batch mixer is designed for high production efficiency and sustainability.

The L-Series Mixers provide high quality mixture with low energy consumption.



Available mixer models:

Mixer type	Net volume (liters)
L-750	750
L-1000	1000
L-1500	1500
L-2000	2000
L-2500	2500