

THE FEJMERT MIXING SYSTEM.

What we really want to see when making concrete is an optimized utilization of the bonding properties of the cement. It is here that the high rotor speed of the Fejmert mixer ensures a thorough hydration of the cement grains.

With speed you create friction, not only between the mixing paddles and the cement, but also between the aggregates and the cement, thereby allowing as much water as possible to penetrate and dissolve the cement grains, creating a highly workable concrete.

What is actually happening is a sort of crushing action of the cement grains, allowing water to penetrate the grain core utilizing the bonding properties of the cement as fully as possible. When in contact with the water the chemical composition of the cement changes, growing tentacle like substances from the surface of each grain, which embed themselves in the gravel and aggregates to form the solid mass we call concrete.

A further advantage with a high paddle speed is that weaker particles in the aggregates will be crushed, particles which would otherwise be a potential weak point in the finished structure or product.

Having the high paddle speed is all very well, but it also has to be combined with the correct number, size and shape of mixing devices carefully positioned in order to achieve the desired homogenization of the batch.

What is needed is a well balanced combination of both. Add to this a mixing action in both the horizontal and vertical planes and a moving action from inside to out.

All this is present in the Fejmert Mixer in the form of rhomboid shaped mixing paddles, carefully positioned and angled, alternatively as inner and outer paddles, creating a crosscurrent braiding action which rolls and folds materials into a perfect blend.



The Fejmert S Mixers

S-150



Little one - suitable for small operations and laboratory work!

Nominal input capacity:	150 litres	Nominal output capacity:	100 litres
Nominal batch weight:	230 kg	Electric motor(s):	11kW
Maximum aggregate size:	40 mm	Number of mixing paddles:	4
Number of discharge accelerators:	-	Weight of machine:	1000 kg
Diameter:	1402 mm	Height:	1054 mm

S-350



Junior - but with enough power to deliver a brilliant performance in any industry!

Nominal input capacity:	350 litres	Nominal output capacity:	235 litres
Nominal batch weight:	535 kg	Electric motor(s):	15 kW
Maximum aggregate size:	60 mm	Number of mixing paddles:	3
Number of discharge accelerators:	-	Weight of machine:	1500 kg
Diameter:	1542 mm	Height:	1044 mm

S-500



Another junior - but it gives you another hundred litres per batch!

Nominal input capacity:	500 litres	Nominal output capacity:	335 litres
Nominal batch weight:	765 kg	Electric motor(s):	18,5 kW
Maximum aggregate size:	60 mm	Number of mixing paddles:	4
Number of discharge accelerators:	-	Weight of machine:	1600 kg
Diameter:	1758 mm	Height:	1154 mm

S-750



Popular thing - thousands of this model in operation, one of the most popular sizes with pre-cast and concrete products manufacturers all over the world!

Nominal input capacity:	750 litres	Nominal output capacity:	500 litres
Nominal batch weight:	1150 kg	Electric motor(s):	22 kW
Maximum aggregate size:	60 mm	Number of mixing paddles:	6
Number of discharge accelerators:	-	Weight of machine:	2300 kg
Diameter:	2104 mm	Height:	1059 mm

S-1125



Middle size - not as popular as the S-750, but still a very frequently used model!

Nominal input capacity:	1125 litres	Nominal output capacity:	750 litres
Nominal batch weight:	1725 kg	Electric motor(s):	2 x 15 kW
Maximum aggregate size:	60 mm	Number of mixing paddles:	7
Number of discharge accelerators:	-	Weight of machine:	3100 kg
Diameter:	2350 mm	Height:	1189 mm

S-1500



Loved size - competing for the award as most popular model of all categories!

Nominal input capacity:	1500 litres	Nominal output capacity:	1000 litres
Nominal batch weight:	2300 kg	Electric motor(s):	2 x 22 kW
Maximum aggregate size:	75 mm	Number of mixing paddles:	8
Number of discharge accelerators:	1	Weight of machine:	4400 kg
Diameter:	2860 mm	Height:	1180 mm

The Fejmert S Mixers

S-1875



A little extra - giving you an additional 250 litres output, can come in handy!

Nominal input capacity:	1875 litres	Nominal output capacity:	1250 litres
Nominal batch weight:	2870 kg	Electric motor(s):	2 x 25 kW
Maximum aggregate size:	75 mm	Number of mixing paddles:	8
Number of discharge accelerators:	1	Weight of machine:	4600 kg
Diameter:	2860 mm	Height:	1180 mm

S-2250



Getting bigger - a model which takes on the slightly heavier jobs!

Nominal input capacity:	2250 litres	Nominal output capacity:	1500 litres
Nominal batch weight:	3450 kg	Electric motor(s):	2 x 30 kW
Maximum aggregate size:	75 mm	Number of mixing paddles:	10
Number of discharge accelerators:	1	Weight of machine:	6600 kg
Diameter:	3372 mm	Height:	1445 mm

S-3000



Heavy league - look at his weight, 5200 kg more than the S-2250. Now we are talking heavy machinery for the tough tasks!

Nominal input capacity:	3000 litres	Nominal output capacity:	2000 litres
Nominal batch weight:	4600 kg	Electric motor(s):	2 x 45 kW
Maximum aggregate size:	75 mm	Number of mixing paddles:	16
Number of discharge accelerators:	2	Weight of machine:	11800 kg
Diameter:	3913 mm	Height:	1562 mm

S-3750



The odd one - fulfills the more unusual requirements!

Nominal input capacity:	3750 litres	Nominal output capacity:	2500 litres
Nominal batch weight:	5750 kg	Electric motor(s):	2 x 55 kW
Maximum aggregate size:	75 mm	Number of mixing paddles:	18
Number of discharge accelerators:	2	Weight of machine:	13500 kg
Diameter:	4364 mm	Height:	1580 mm

S-4500



Big thing - the most popular model with the people who go "big"!

Nominal input capacity:	4500 litres	Nominal output capacity:	3000 litres
Nominal batch weight:	6900 kg	Electric motor(s):	2 x 75 kW
Maximum aggregate size:	75 mm	Number of mixing paddles:	20
Number of discharge accelerators:	2	Weight of machine:	15000 kg
Diameter:	4596 mm	Height:	1575 mm

S-6000



The real beast - for you who need high volume output!

Nominal input capacity:	6000 litres	Nominal output capacity:	4000 litres
Nominal batch weight:	9200 kg	Electric motor(s):	4 x 45 kW
Maximum aggregate size:	75 mm	Number of mixing paddles:	24
Number of discharge accelerators:	2	Weight of machine:	20000 kg
Diameter:	5136 mm	Height:	1573 mm



Zinda B.V. / Bouygues, Netherlands
Fejmert Mixer S-2250



Creteplant Ltd / Banher Concrete, Ireland
Fejmert Mixer S-2250



APPLICATIONS !

In the word mixing lies the essence of the task, that is to mix various components into a homogeneous mass.

And if a mixing machine possesses the right quality and capacity, its use can be extended to encompass an unlimited number of applications.

From having been designed for operation within the Concrete Industry the Fejmert Mixer is today used in coal power stations and waste disposal plants mixing residual ashes from their incineration processes.

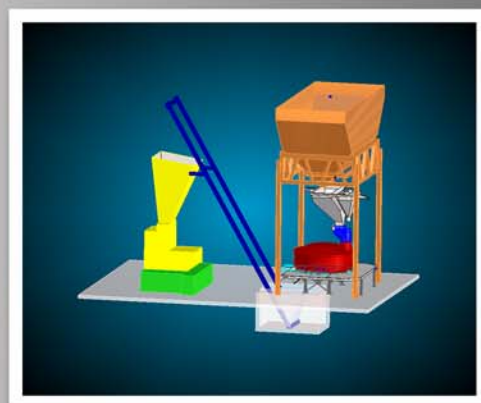
The glass you are drinking from can be made from raw materials mixed in a Fejmert Mixer.

And when you drive to work in the morning you might bump over road markings, which has passed through a Fejmert Mixer.

The refractory industry is a further special area of application, in which the Fejmert Mixer has found it's use.

Many more examples can be given and there is probably no end to the use of a high quality mixer.

We eagerly await the next challenge.



J. McCoy Equipment Ltd / Dagostino, U.S.A.
Fejmert Mixer S-1875