The Max-EMS is characterised by the use of isolated copper tubes with rectangular cross section for the coil windings. The cooling water flows through the hollow windings. This design ensures reliable operation over long periods of time.

Max-EMS is available as mold, strand and final stirrers, MaxMEMS, MaxSEMS and MaxFEMS respectively, and is the obvious stirrer choice for blooms.

**MaxMEMS**, robust and proven design for a long life

MaxMEMS can either be of round and square type depending on available space in the mold and between the strands.

**MaxSEMS** is of linear type mounted close below the mold and generates efficient stirring along the strand.

**MaxFEMS** is always round and acts on the final solidification zone of the strand.
• **Efficient cooling**
The use of hollow copper conductor, where the water is in direct contact with windings, is the most efficient cooling method of a coil and by that less amount of cooling water is required.

• **Dry insulation**
As the cooling water is in direct contact with the coil, the temperature of the insulation is kept low which contributes to long life. Furthermore the insulation is not exposed to cooling water and the insulation to earth can be maintained. This will slow down the aging process of the stirrer, resulting in a very long life.

• **Robust design**
The coil design with copper tubes bundled together into solid robust packages effectively withstand vibrations caused by the low frequency, magnetic forces.

• **Minimum maintenance**
The closed water system prevents dirt entering into the cooling of the coils and the conductivity of the water is kept at a low level by passage through an ion exchanger. The stirrer requires a minimum of maintenance and there is no need for any re-impregnation of windings with regular intervals.