

INTERMOT HYDRAULIC MOTORS FOR BETTER EFFICIENCY

Sustainability and cost efficiency: Companies are constantly searching for the best way to reduce consumptions. In these challenging economic conditions, thanks to over 30 years' experience in the hydraulic sector, Intermot provides to the customers the best solutions for this purpose, through **mechanical and volumetric efficiency**.

During the last years, taking advantage of **SAI Hydraulic Motors Group facilities**, great technological improvements have been developed for our products, and we are assuring even higher quality levels. Our motors enable dramatic improvements of the power transmission: several projects developed in recent years have been guided by this one thought: increasing the efficiency of the driven machine.



Speaking of standards, certain types of hydraulic motors cannot reach the Intermot **high performance**. Therefore, they cause low productivity, poorer rotation control and heat generation leading to higher overall operating costs.

For one of their plants, our customer Kimera **used Orbit motor** technology on their machineries. Kimera produces innovative truck mounted concrete batching plants, able to mix concrete, mortar, screed, cold asphalt and with a maximum production speed up to 70 m³/h.

During the operations, two augers are distributing the concrete out of the tank, and the orbit motors were used to drive the augers. With these units, a **limited starting torque is provided, and it was not possible to restart the auger** once it was already full, causing waste of time and higher cost.

The Intermot crankshaft radial piston design guarantees an outstanding starting torque, and it is today the solution chosen by Kimera to stop and restart anytime: no matter how much it is loaded. To have **accurate rotation** at the lowest speed, in order to adjust the concrete output out of the auger, Intermot motors are offering Kimera's machineries the best configuration.

Without oversizing the overall power, simply selecting Intermot as best hydraulic motor, Kimera fixed the problem and improved the performance of the machine.

Selecting a radial piston motor despite an orbit unit, guarantees a remarkable improvement in starting torque, **overall efficiency and pressure capacity**. Intermot is combining high performance technology with cost effective design, becoming the best solution to improve transmissions previously using orbit motors.



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