Offering you the utmost in energy efficiency

The highest energy efficiency is a criterion that is becoming increasingly more significant when it comes to optimizing machines. This also holds true for hydraulically-driven axes used in various industrial applications such as hydraulic presses or injection molding machines.

The SINAMICS servo pump from Siemens is the perfect solution. It has a highly-dynamic performance, increases your machine yield and reduces your energy costs by up to 70 percent.

The functional principle used is simple — oil is only moved when required. It's not the pump, but the pump drive that makes the difference. This is why our solution can be combined with most hydraulic pumps in the industry.

Your advantages at a glance include:
- System with a highly-dynamic performance
- Simple integration into your machine
- Highest energy efficiency with maximum benefits
- Higher machine yield
- Enormous noise reduction
- Smaller oil tank volume

Based upon standard components

The SINAMICS servo pump solution is based upon a variable speed drive powering an electric motor that is coupled to an internal gear pump.

With our servo pump, you can always rely on well-proven and pre-tested expertise — it's built using standard components such as the SINAMICS S120 drive and distributed I/O. This allows fast and simple access to replacement parts — and, as a result, secures the highest availability and productivity of your hydraulic machine.

usa.siemens.com/servo-pump

SINAMICS servo pump
The efficient solution for state-of-the-art hydraulic systems
Convenient integration and commissioning

Siemens offers the ideal drive solution — not only for electrical machines, but also energy-efficient electric servo drive technology for hydraulic systems. This solution has been designed so that installation and handling are extremely simple. It’s also compatible with the control signals typically used for hydraulic units on these types of machines.

Our SIZER engineering tool supports the convenient selection of components. Commissioning, including the monitoring of important parameters is performed via the STARTER commissioning tool.

The new drive solution generally requires significantly less space than older hydraulic systems. This makes it perfect for modernizing existing systems (retrofits).

Shorter payback period for your investment

Our servo pump only generates the amount of energy that is required in the relevant process phase. This yields, particularly during idle times, significant savings. During a break, the pump is stopped and requires much less energy when compared to solutions during which the pump must continue to run. The payback period for this investment is usually less than two years.