



# Why Servo Pumps Are Crucial for Modern Systems

[Servo pumps](#) are critical in today's systems because they provide accuracy, efficiency, and flexibility. Their variable speed and pressure capability decreases energy, noise, and heat, therefore suitable for various industries such as plastics, automobile, and robotics.



## ***Types of Servo Pumps***

### 1. Fixed displacement servo pumps

These pumps provide fixed volume of hydraulic fluid in the system without regard to its need. They are ideal for use where the process is bound to be constant, for instance in injection molding.

### 2. [Variable displacement servo pumps](#)

These pumps control the flow of fluid depending on the requirement, and therefore are energy efficient. It is suitable for applications such as metal forming and robotics

manufacturing because flexibility is a significant factor.

### 3. Hybrid Servo Pumps

Hybrid servo pumps integrate fixed and variable displacement technologies that provide accurate control and energy efficiency for use across multiple applications.

#### Applications and Benefits

Servo pumps are applied in injection molding, blow molding, material handling systems among others due to their accuracy and durability. This is why they are an essential part of modern, automated scenarios where the demand can shift at any moment.

Offering a wide range of products of high quality, servo pumps allow industries to achieve performance and sustainability goals as turnkey solutions.