The future ?! - Intelligent Servo Pump Drives

Servo inverter + Synchronous servo motor + Voith internal gear pump
What is new?

Optimal energy efficiency

Highly dynamic response

Excellent precision
Advantages:

**Energy Efficiency:**
The motor requires energy only when the machine is moving, thereby saving between 30% to 50% energy when compared to a conventional hydraulic system.

**Low Noise:**
The noise level of the hydraulic servo is substantially less than with a permanently running hydraulic motor as the servo motor only runs when the machine is moving.

When machine is idle, the hydraulic servo has no noise emission and no energy consumption.
Adjustment of flow rate and cutting pressure are managed and set at the main controller of the machine, thereby providing an accurate specification of cutting speed and cutting pressure.

The regulation of the pressure is done with millisecond precision.
Elimination of pressure peaks results in smoother machine operation, cleaner material cutting.

Controlled fluctuation of the cutting pressure by the servo pump eliminates pressure surges in the hydraulic system.
Further advantages:

Analysis of the Cutting Operation:
The cutting process may be fully monitored thus a worn or broken die is detected more quickly by observation of the cutting pressure.

Valve Reduction:
Fewer valves are used than in a conventional hydraulic system. The result:
- Less down time
- Reduced maintenance
Further advantages:

**High Dynamics**
Quick acceleration and deceleration of the hydraulic system.

**Custom Configuration:**
Design of hydraulic according to customer’s requirement.
For more information, please contact us at 800-777-2762, 978-524-0168, info@asm-schoen.com, or visit our websites:
www.schoen-sandt.com • www.asm-schoen.com