

What Is A Servo System Hydraulic Baler?

Servo System Hydraulic Baler

Horizontal Baler ,Automatic Baler Machine,Hydraulic Baler ,

The servo system hydraulic baler uses a new type of servo hydraulic system to accurately calculate the pressure and flow required by each action cylinder of the equipment. send pressure and flow control instructions to the servo controller, and the servo controller will quickly adjust the speed of the hydraulic AC asynchronous motor after receiving the instructions. carry out precise control, by collecting the motor feedback signal and the pump port pressure signal, perform self-high-speed closed-loop calculation, when the pressure is not reached, the accurate speed loop operation, when entering the set pressure area, the pressure loop control is carried out, so that

the hydraulic device realizes real pressure and flow double closed-loop control;

In Order To Achieve The Above Purpose, Our Company Adopts The Following Technical Solutions:

- 1) Asynchronous servo hydraulic system of baler, including remote control, servo controller, hydraulic asynchronous motor, pressure sensor, vane hydraulic oil pump;
- 2) The servo controller, pressure sensor, hydraulic oil pump and asynchronous motor are sequentially connected to form a closed loop, forming a hydraulic servo system, the pressure setting and flow setting of the asynchronous servo controller are carried out through the calculation data developed by our company, and the oil pump and the baler each perform the unit oil pipe and the oil tank are connected in sequence to form a closed circuit.
- 3) The beneficial effects of the company's new equipment are: the servo hydraulic device of the baler adopts a high-precision motor encoder, an AC asynchronous motor, and high efficiency. vane hydraulic pump, high-response and high-precision pressure sensor, realize real pressure and flow double closed-loop control, and solve all pressures of traditional devices overflow, supply on demand;
- 4) Upgrade the terminal valve control pressure and flow of the traditional device to the pump control of the energy output port, which can make the whole machine equipment in control accuracy and response speed revolutionary breakthroughs have been made in areas such as temperature control, energy consumption control, environmental noise reduction, oil temperature control, parts life extension, and oil product life extension;

The Features Of The Servo Hydraulic Baler Are As Blew:

1. Energy saving and environmental protection (only 55% of traditional energy consumption)
2. High response speed (more and more qualified products are produced in the same unit of time)
3. Double closed-loop control of pressure and flow (to realize the possibility of real smart factories in the future)
4. Higher pump efficiency (the pump is the heart of the device)
5. The operation is more stable (does not produce any useless work)
6. Noise reduction and high silence (low pulsation pump application, idle time stop)
7. Low oil temperature rise (realized by double closed-loop control)
8. High-intensity operation (continuous long-term continuous work)
9. Equipment maintenance costs are greatly reduced.

Nick servo system hydraulic baler has low power consumption: the power consumption per bale is only 1.5kw, and the power consumption per hour is 2kw when idling, which can save your a lot of money. At the same time, our machine is connected to the Internet, and we can get Read on the platform, if there is any damage or error, we can easily find it and deal with it immediately. For more details, please follow us <https://www.nkbaler.com>