

Siemens Sinamics S120 Servo Drive Retrofit



Wotan Rapid Horizontal Machining Centre

A customer experienced high maintenance costs and frequent breakdowns with DC Motors & Servo drives. Furthermore, the servos were badly tuned causing poor workpiece finish. We recommended an AC Servo Drive retrofit as we were able to offer an AC drive and motor combination (supplied, installed & commissioned) for almost the same price they could source a refurbished DC motor.

The customer agreed that a retrofit would offer them better reliability and performance and was more cost effective than the ongoing repairs to the motor.

The drive panel was manufactured and fully workshop tested prior to installation. Mechanical adaption was a breeze as the motors had been selected to have the same frame and shaft size. This allowed us to keep machine downtime to a minimum with only 4 ½ days required for the removal of the old

switchboard, installation of the new panel and motors, cabling, testing and commissioning. Workpiece finish has been restored to as-new and the machine now even boasts an increase in rapid traverse speed from 8m/min to 10m/min.

This goes to prove that servo drive retrofits are a very cost effective way of increasing the life cycle of your machine tool at a fraction of the cost of a replacement.

ASAP Power specialises in the maintenance and retrofits of CNC machine tools.

Get in touch today to discuss your requirements.

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Before and After of Electrical Cabinet (top) New Servo Motors (below)

