

Integrated ServoGearMotors

The highest level of integration

Compactness, light weight, high power and torque density is beneficial in practically any automation application. This properties are particularly welcome in multiple axis automation systems, such as gantry robot systems or any other system where the drive (motor, gear, framing) is in motion.

Neugart featured at the Hannonver Fair 2001 two examples of integrated Motor-Gearbox designs introducing an unprecedented high degree of integration and compactness.

These integrated ServoGearMotors are designed for and with the motor manufacturers. Neugart is providing the design and the gear head hardware the integrated gearmotor is not marketed through Neugart. The designs are dedicated for a certain motor. ***Neugart is offering this “integration service” to any and all servo motor manufacturer!***

Figure 1. features an integrated design for the company MOOG. It shows the comparison of the bolt on Gearhead and the integrated approach. As matter of fact the Integrated design has a higher torque rating and output shaft loadability than the bolt on design by applying the technology used in the new Neugart PLS-HP unit.



Fig 1.

The other integrated ServoGearMotor solution was created for “SIG-Berger Lahr”, a company in the “Groupe Schneider”. Fig 2 shows the same size servo motor without a gear and as an integrated SevoGearMotor.



Fig 2.