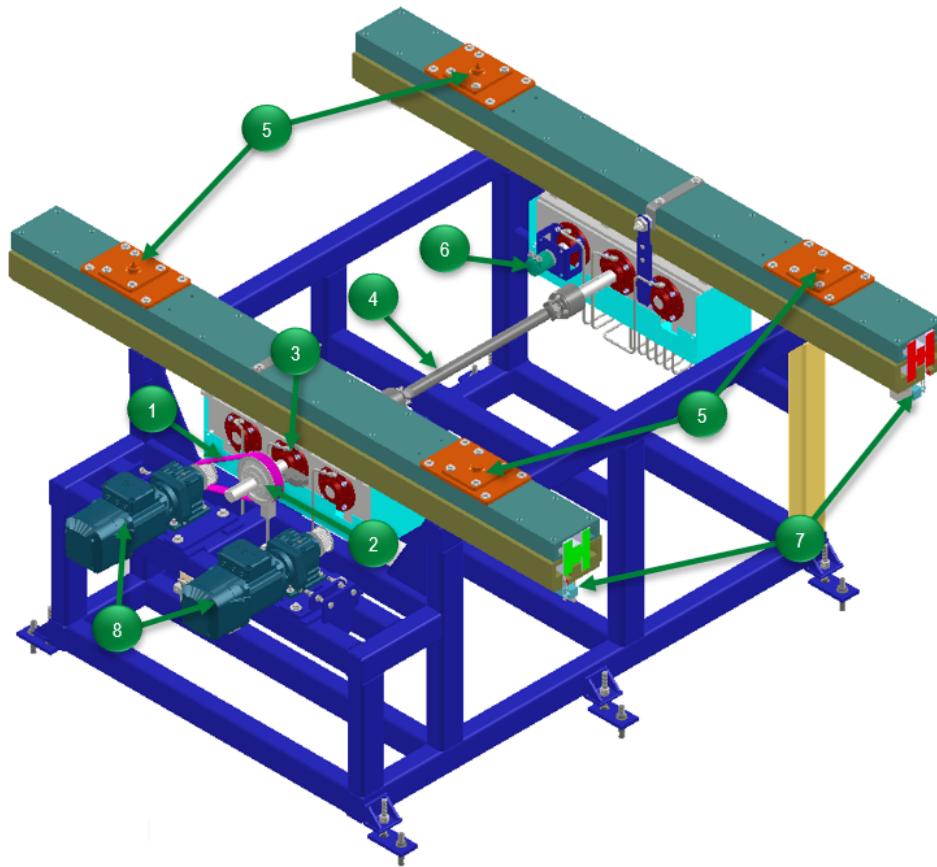


Fork Transfer Components



- | | | |
|--|--|--|
|  Drive Belt |  Cardan Shaft |  Prox Switches |
|  Drive Pulley |  Part Touching Detail |  Gearmotor |
|  Fork |  Absolute Encoder | |

Fork Transfer Overview

The function of the fork transfer is to move the product between the two aux lifts. There are two gearmotors: a main and standby. The active motor can be mechanically engaged by setting the drive belt to the appropriate gearmotor. Power is transferred from the drive pulley to the gearbox via a shaft.

A cardan shaft spans the two sides to provide power to the idle side. As the gearbox is engaged, the forks are extended/retracted as per their programmed cycle. The product rests on the part touching details attached to the forks. Position of the forks is monitored by the absolute encoders and prox switches.