



MotorMakers Inc

Memo

To: Manufacturing Design Teams
Date: 2008-04-07
From: Ralph Stirling
Subject: Stator winding machine operations

Summary

Design teams need to determine the operations to be performed on the stators and wire, and the sources of motion needed for those operations. This outline should be ready by 2008-04-15.

Details

A list of operations needs to be compiled for each stator winding machine, more comprehensive than the previous one done for class. Operations such as feeding stator, clamping stator, positioning wire for start of first wind, cutting wire, etc. need to be identified and listed.

The basic motions needed to perform these operations are next identified. Type of motion, such as rotary or linear, proportional or discrete must be specified. Note any special requirements for the motion as well.

This should prepare you for embarking on detailed design of your machine, or at least design of experiments for determining the best method to use for some operations.