**Migration of Labview into the Test**

**of magnetic Properties  
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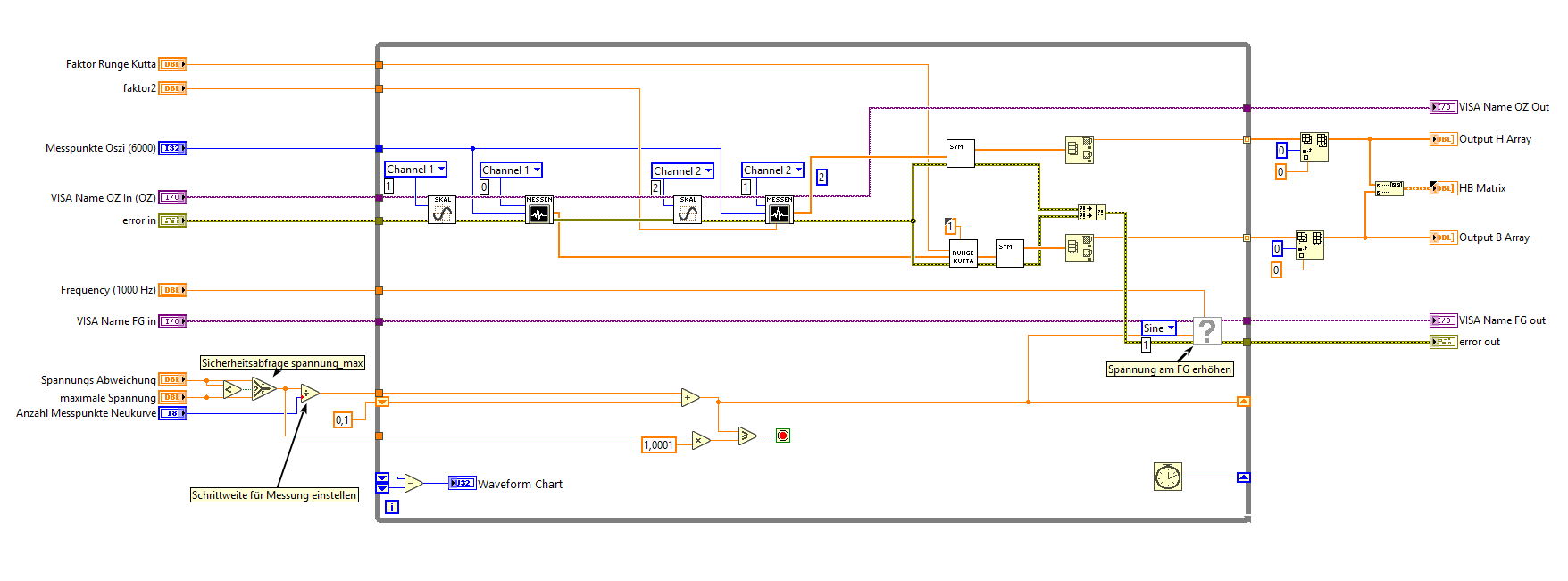
**Summary**

This project deals with the migration of the measuring-system, of magnetic properties, into Labview. The old software, which was used, was written in Pascal code. The code had to be analyzed and a new software system had to be implemented into Labview. The goal was to guarantee full functionality as it was before and implement some new features in regard of controlling and visualization.

**The Project**

Building SubVIs for:

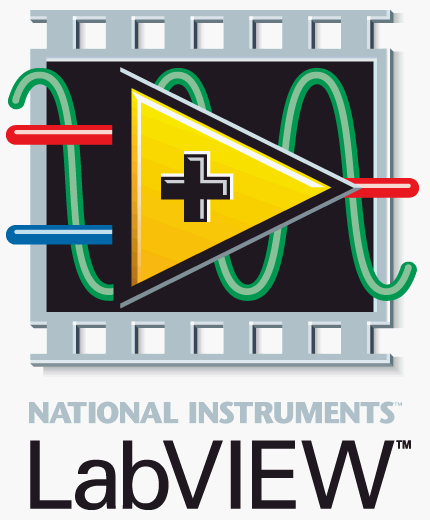
* hardware communication
* mathematical operations
* plotting

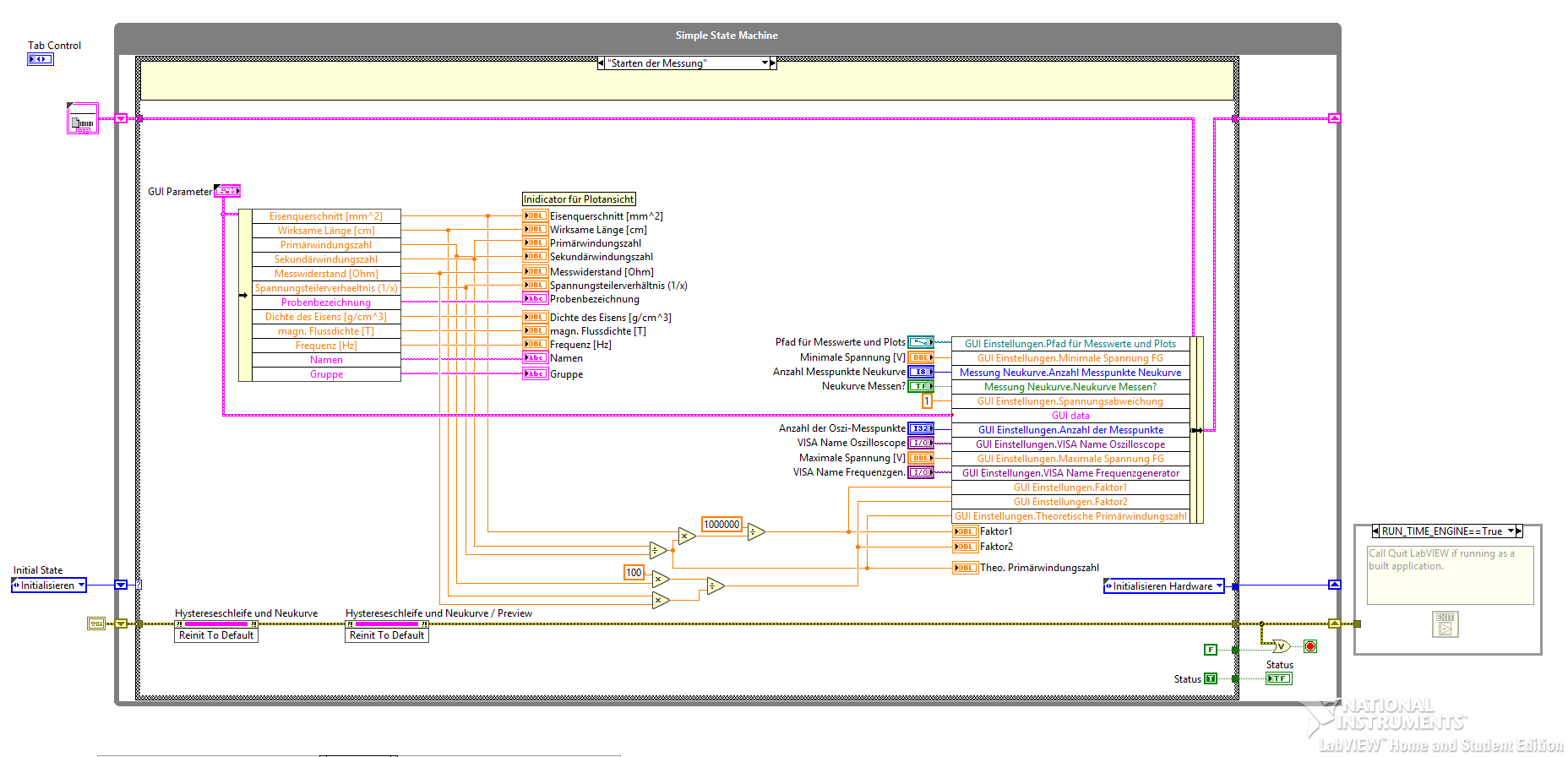


The simple state machine:

Following states are included:

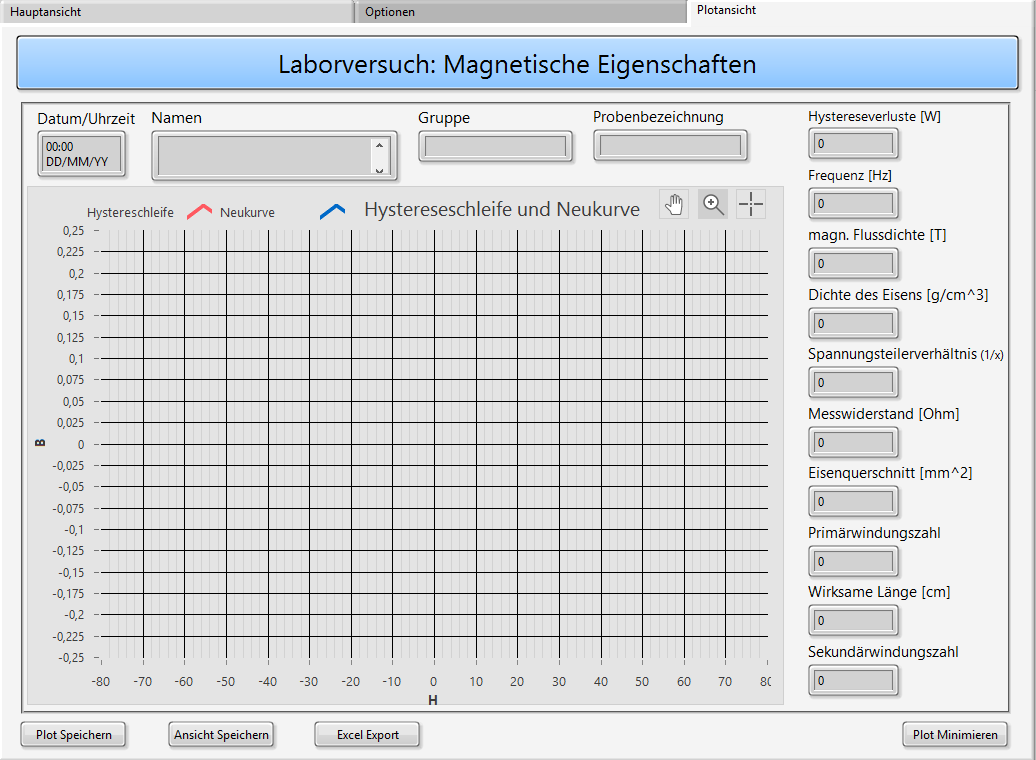
**“Hier das Zustandsdiagram-horizontal…”**

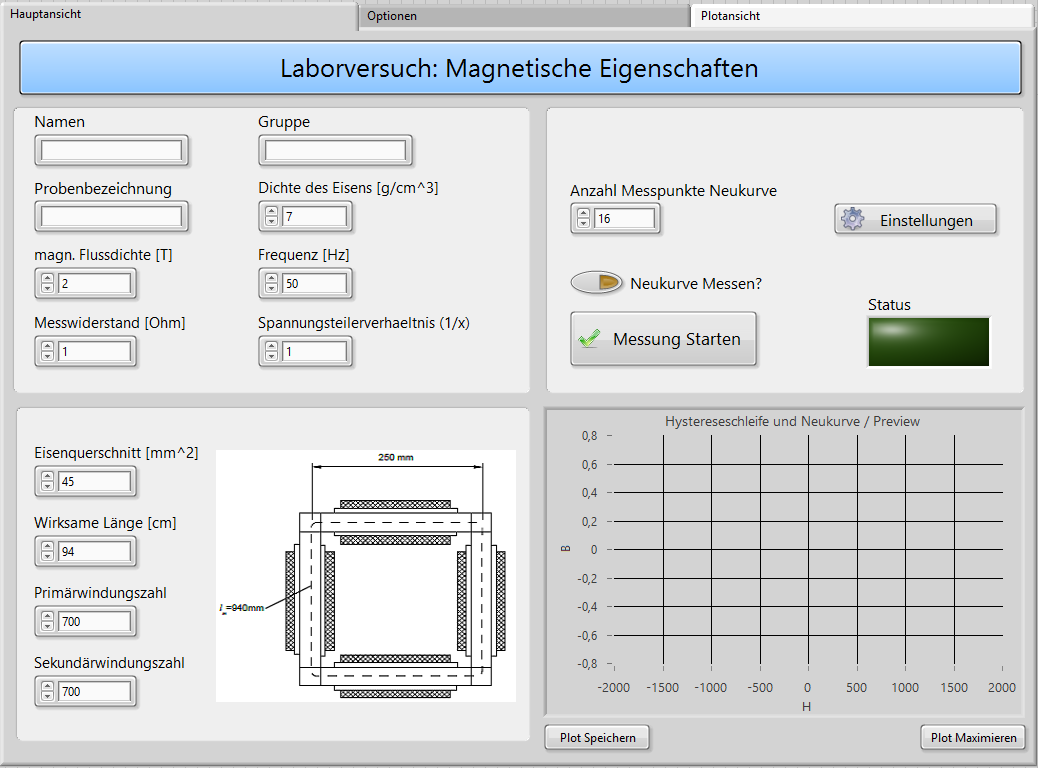




Plot View:

* overview about all properties
* can be saved in different ways





GUI (Graphical User Interface):

* has 3 tabs (main, options, plotting)
* fully functional without the labview software