

**Example 8: Curve operation with master reg synchronization**

The master position in the curve mode is to be corrected in dependance of a registration mark: Master oriented reg synchronization.

**Corresponding files:**

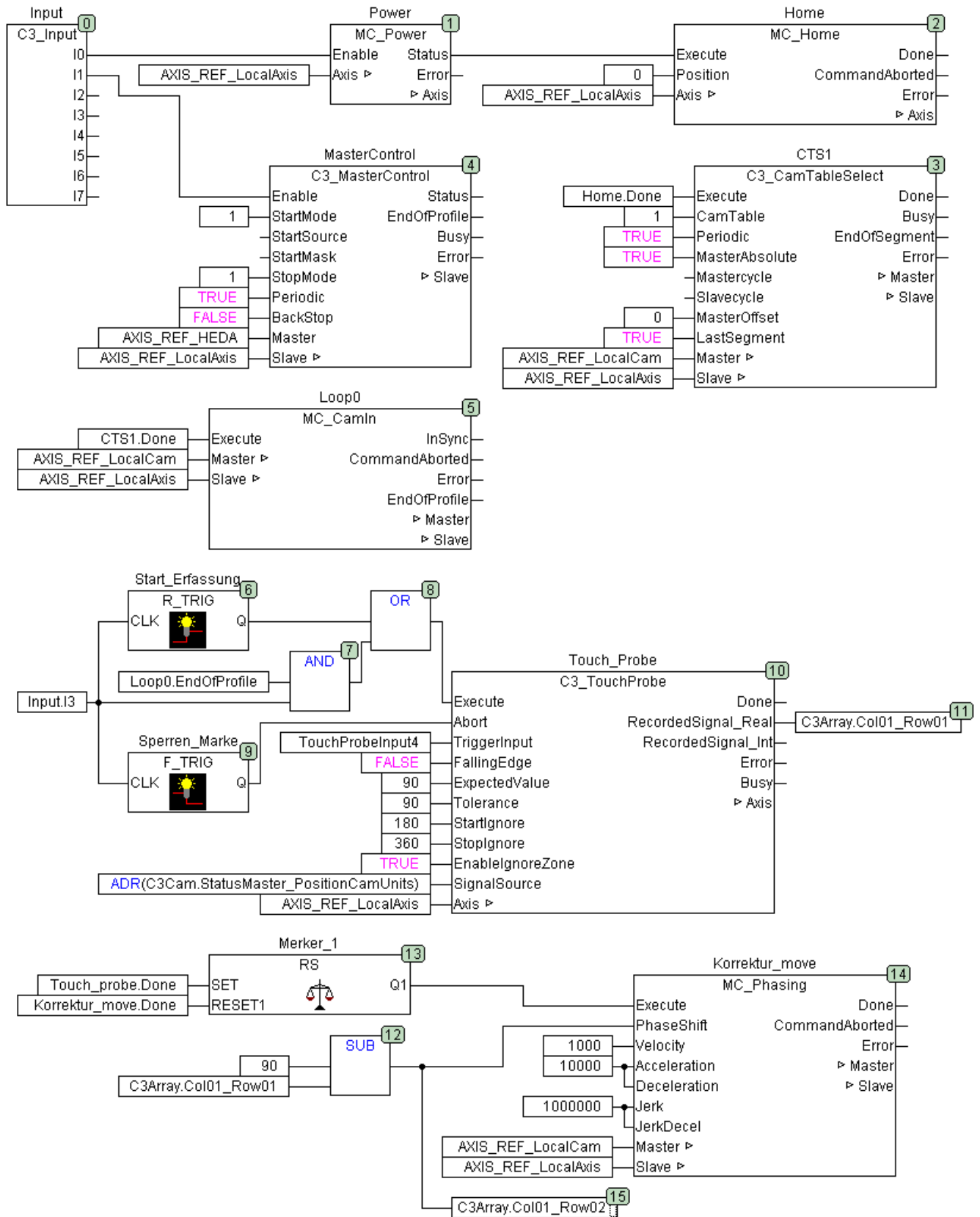
Master\_Markenkorrektur.C3P (Compax3 Project auf Compax3 CD:\Examples\Example8)

Master\_Markenkorrektur.pro (CoDeSys Project on the Compax3 CD:\Examples\Example8)

**Control interface:**

| <b>Input</b> | <b>Function</b>  |
|--------------|--|
| I0           | Energize axis, homing, select curve, starting and coupling axis (static) |
| I1           | Enable master acquisition (static)                                       |
| I2           | Start virtual master   |
| I3           | Reg enable (static)  |
| I4           | Reg input (edge)   |
| I5           | Free   |
| I6           | Free   |
| I7           | Free   |

**Solution:**



**Boundary conditions:**

- Setpoint position of the registration mark: 90°.
- Slave standstill at 180°.
- The object C3Cam.StatusMaster\_PositionCamUnits (o3030.24) is used as source for the C3\_Touchprobe module and is set against

the reg setpoint position.

- The adjustment movement is made via MC\_Phasing (see the [signal image](#) of the cam).

curve

