

Special tools



What do we use ?

- **Multi meter**
- **Clamp meter**
- **Megger**
- **Stethoscope**
- **Tachometer**
- **Digital tension tester**
- **Welding tool**
- **Notebook PC**
- **Remote control**
- **Warning sign / Padlock**



Multimeter



- Voltage AC / DC
- Current AC / DC
- Resistance

Clamp meter



- Current DC / AC

Insulation tester



- Insulation tests
- Resistance motor Windings
- Nice to have

Stethoscope



- Check bearings

Tachometer



- Conveyor speed
- Motor speed

Digital tension tester



- **Timing-belt frequency**
 - test the tension of a timing-belt

Welding tool



- **Welding 12 mm belt**

AS-I addressing tool

- Adressing AS-I slaves



Notebook & Converters



- **Configure**
 - Scanners
 - Frequency controllers
 - LMS
- **Fault finding**
 - Profibus networks
 - ASi bus networks
- **Reporting**



Remote control

- **Wireless start / stop**
 - used on sorters for inspection



Warning Signs / Padlock

- Let people know you are working on the system
- Padlock switches
 - LOTO procedure



Questions?

