

## Electric Motor Production Lines

From a Technological and Industrial Leader in Electrification and Driving Assistance Systems

### FINAL ASSEMBLY LINE #3



#### Sales Contact

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#### Asset Location

Germany

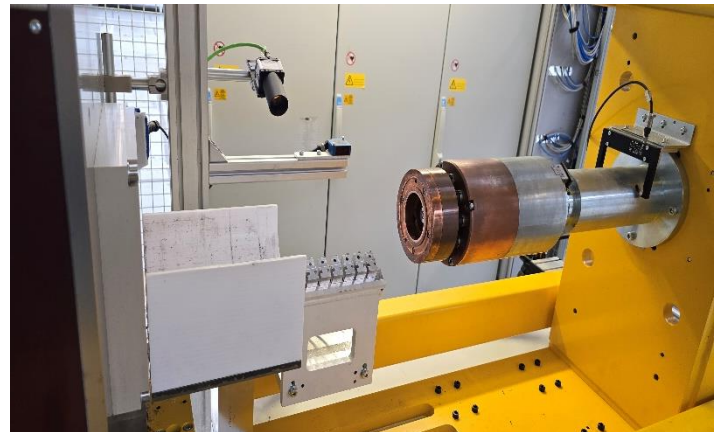
#### Inspection

Upon prior Appointment with us

## Technical Details Final Assembly Line #2

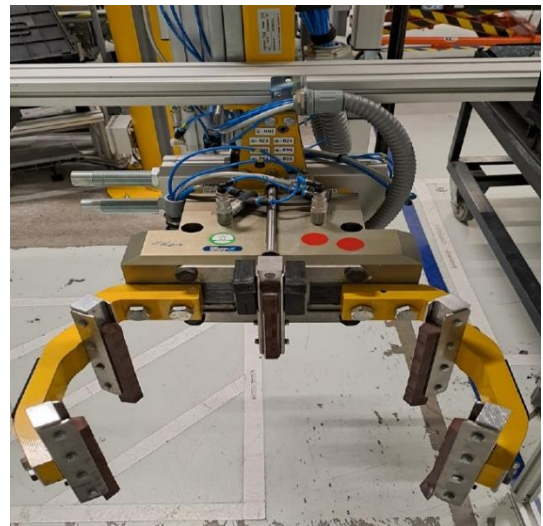
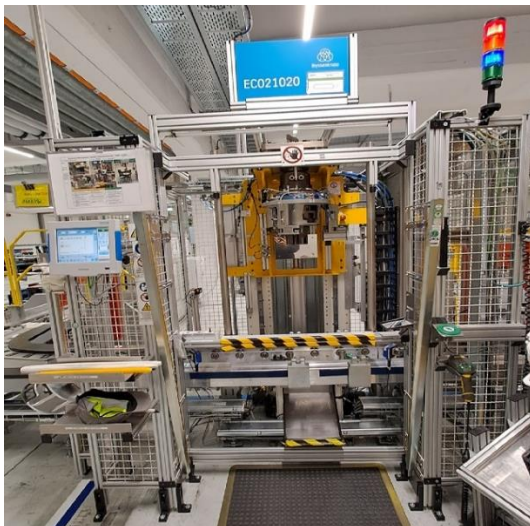
### 11.01 Magnetizer (YoM: 2019), Model: MFFer8/160/250, Manufacturer: MAGSYS Magnet Systeme

- Serial No.: SN190183
- Project No.: P181002
- Sm. signal inductance at 1 kHz: 8800 uH
- DC resistance: 46.6 mOhm
- Fixture Constant at 10A: 279 1/m
- Nom. curr. At 3kV / 17.1 mF: >18.5 kA
- Nom. Cycle at exponential pulse: 120 s



### 11.02 Marriage 1 (YoM: 2019), Model: K.05886.310, Manufacturer: Kistler Instrumente

- Current 3PH~
- Supply Voltage: 400 V
- Frequency: 50 Hz
- Rate Current: 2.4 A
- Control Voltage with/without Transformer: 24 V
- Current Rating of Fuse: 20 A
- Customer Design: EC021020
- Station No.: K.05886.310
- Parts/Tooling included: Kistler axis and Manipulator



### 11.03 Marriage 2 (YoM: 2019), Model: EC021050, Manufacturer: Thyssenkrupp System Engineering

- Parts/Tooling included: Kistler axis - Typ 2151B30154002, 250 - 380mm / 0,001



### 11.04 Marriage 3 (YoM: 2019), Model: EC021050, Manufacturer: Thyssenkrupp System Engineering

- Parts/Tooling included:
  - Kistler axis - Typ 2153A0306003HG, 420 - 200 / 0,001
  - Screwing station
  - Atlas Copco



### 11.05 Handling (YoM: 2019), Model: KR 150 2700 extra, Manufacturer: KUKA Roboter



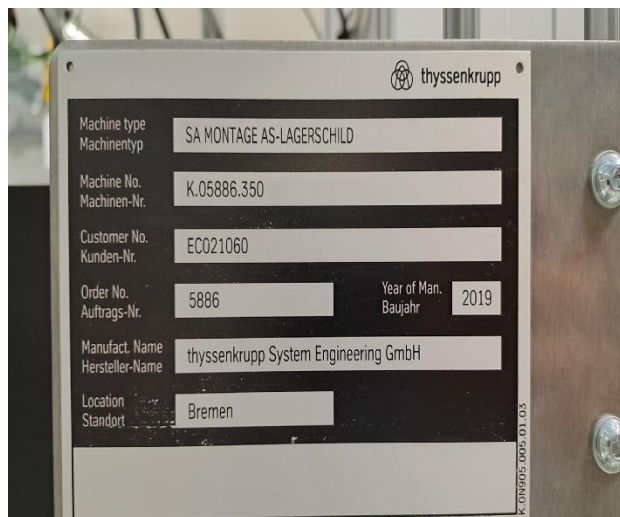
### 11.06 Assembly of Cooling Adaptation (YoM: 2019), Model: K.05886.330, Manufacturer: Thyssenkrupp System Engineering

- Current: 3PH~
- Supply Voltage: 400 V
- Frequency: 50 Hz
- Rated Current: 2.4 A
- Control Voltage with/without Transformer: 24 V
- Current Rating of Fuse: 20 A
- Customer Design: EC011040
- Station No.: K.05886.330
- Parts/Tooling included:
  - Atlas Copco - Screwdriver ETV STR31-10-10 (2-12Nm)
  - Atlas Copco - Screwdriver station PF4000-C-PN-HW
  - Atlas Copco - Carbo arm



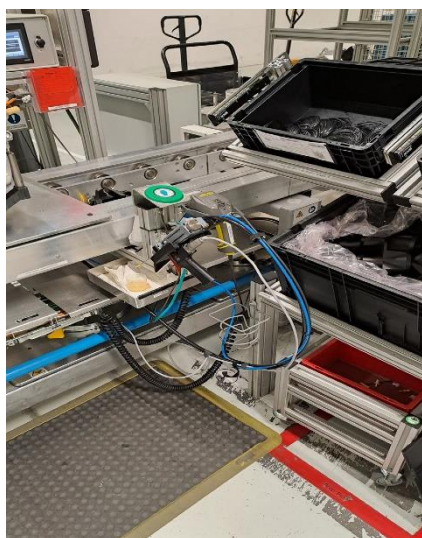
### 11.07 Screwing of End Shield (YoM: 2019), Model: K.05886.350, Manufacturer: Thyssenkrupp System Engineering

- Machine No.: K.05886.350
- Customer No.: EC021060
- Order No.: 5886
- Current: 3PH~
- Supply Voltage: 400 V
- Frequency: 50 Hz
- Rated Current: 3.6 A
- Control Voltage with/without Transformer: 24 V
- Current Rating of Fuse: 20 A
- Parts/Tooling included:
  - Atlas Copco - Screwdriver ETV STR61-50-10 (55Nm)
  - Atlas Copco - Screwdriver station PF4000-C-PN-HW
  - Atlas Copco - Carbo arm1



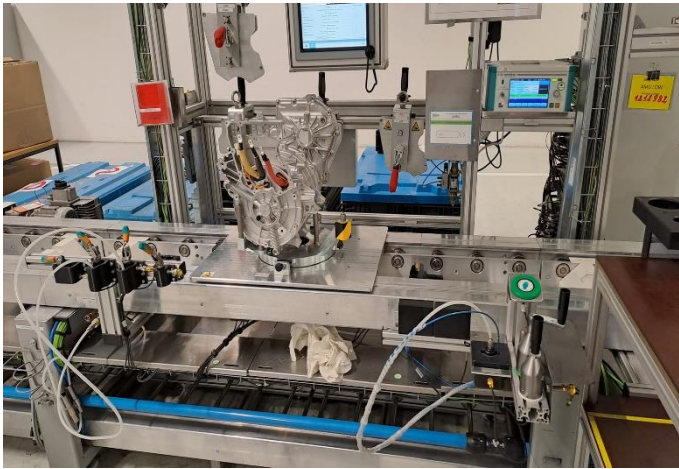
### 11.08 Preparation for EOL (YoM: 2019), Model: EC021080, Manufacturer: Thyssenkrupp System Engineering

- Parts/Tooling included: Oil Dispensing Unit



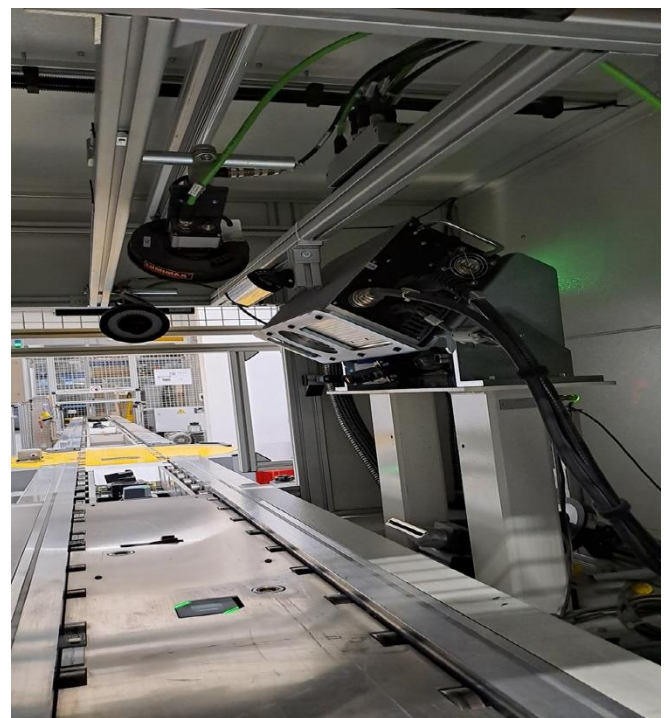
### 11.09 KKL / IP Test (YoM: 2019), Model: EC021110, Manufacturer: Thyssenkrupp System Engineering

- Parts/Tooling included: Innomatec Leak Test Computer LTC-802



### 11.10 Laser / Camera Check (YoM: 2019), Model: K.05886.500, Manufacturer: Thyssenkrupp System Engineering

- Current: 3PH~
- Supply Voltage: 400 V
- Frequency: 50 Hz
- Rated Current: 12.8 A
- Control Voltage with/without Transformer: 24 V
- Current Rating of Fuse: 20 A
- Customer Design: EC021130
- Station No.: K.05886.500
- Parts/Tooling included: Camera system and Label printer Zebra ZD420



### 11.11 Lifting Equipment Loop 1 to Loop 2 (YoM: 2019), Model: GP-75 291008-01-01, Manufacturer: Zasche Handling

- Load Capacity: 75 kg
- Weight: 125 kg
- Serial Number: 291008-01-01
- Parts/Tooling included: Manipulator For Lifting Equipment



### 11.12 Preparation of Outer Housing (YoM: ), Model: EC021010, Manufacturer: Thyssenkrupp System Engineering

- Parts/Tooling included:
  - Screwing station for resolver stator
  - Automatic screwing stations Atlas Copco
  - Pressing equipment for orientation pin
  - Label printer



### 11.13 Assembly of Rotor Cooling (YoM: 2019), Model: K.05886.440, Manufacturer: Thyssenkrupp System Engineering

- Current: 3PH~
- Supply Voltage: 400 V
- Frequency: 50 Hz
- Rated Current: 22 A
- Control Voltage with/without Transformer: 32 A
- Current Rating of Fuse: 32 A
- Customer Design: EC21100
- Station No.: K.05886.440
- Parts/Tooling included:
  - Kistler axis
  - Atlas Copco - Screwdriver ETV STR61-30-10 (6-35Nm)
  - Atlas Copco - Screwdriver station PF4000-C-PN-HW
  - Atlas Copco - Carbo arm



### 11.14 Preparation of Rotor Cooling (YoM: 2019), Model: EC021105, Manufacturer: Thyssenkrupp System Engineering

- Parts/Tooling included:
  - Kistler Axis
  - Vieweg dispensing unit DC300
  - Manual press
  - Manual testing device
  - Automatic lubrication station

