

The background of the entire image is a photograph of a modern, grey concrete building. A large circular cutout in the wall reveals a red stylized 'W' graphic, matching the company logo. The building has a flat roof and a set of wide concrete steps leading to a glass entrance. There are some potted plants and a small metal structure near the entrance. The sky is clear and blue.

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# *CHIP IN SPINDLE DETECTION*

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Autor: Jürgen Müller

# PLANKO FROM OTT JAKOB COMPARE TO SIS PRO MICRON

## High-precision measurement results

Detection of an air gap at the spindle tool interface plan side of min. 10  $\mu\text{m}$

### Planko from Ott

#### Short measuring time

approx. 30 ms from spindle run-up start at a spindle acceleration of 1,100 r/s<sup>2</sup>

#### Compact assembly

No additional evaluation electronics in the control cabinet

#### Number of sensors

Selection of the number of sensors - recommendation min. 4 sensors

#### Calibration effort

with only one tool

### SiS from pro micron

#### Cycle time neutral

Measurement and recognition before spindle run-up

#### Integration

Evaluation electronic outside spindle (separate box)

#### Number of sensors

8 segments each (measuring bridges) on plane and in cone

#### Calibration effort

Not necessary

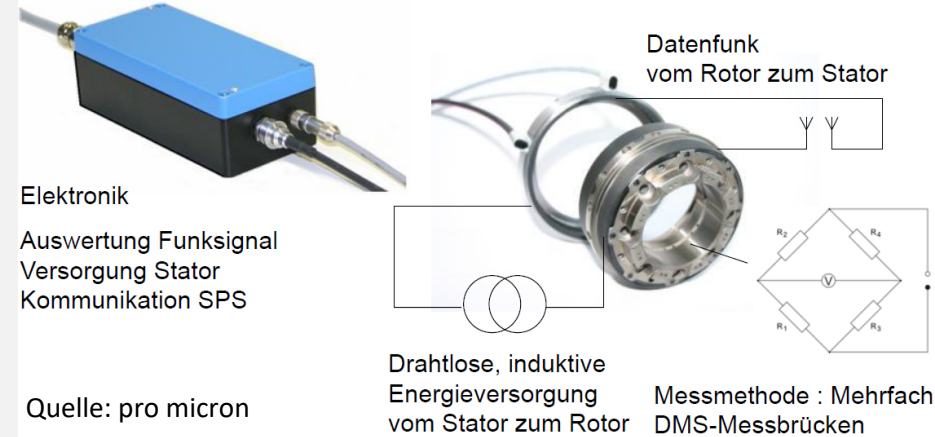
# SIS PRO MICRON / PLANKO OTT JAKOB

## TECHNICAL DATA

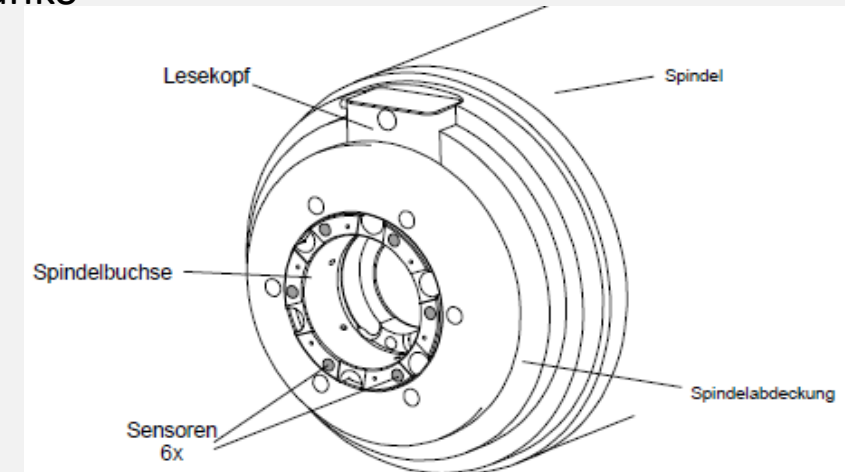
	<b>SiS</b>	<b>Planko</b>
<b>Detection Chip in spindle:</b>	End Face + taper	End face
<b>Min. Chip Size</b>	>10 µm	>10 µm
<b>Tool Interface</b>	HSK A63 / HSK A80	HSK A63 / HSK A100
<b>Max. Speed</b>	bis 18.000 / 15.000	bis 24.000 / 12.000
<b>Signal</b>	Analog 4-20 mA	0-10V
<b>Operation Temperature</b>	+10°C bis +60°C	+20°C bis +60°C
<b>Power Supply</b>	24V DC (+/- 10%)	24V DC (+/- 10%)

### SiS

← SPS



### Planko



Quelle: Ott Jakob