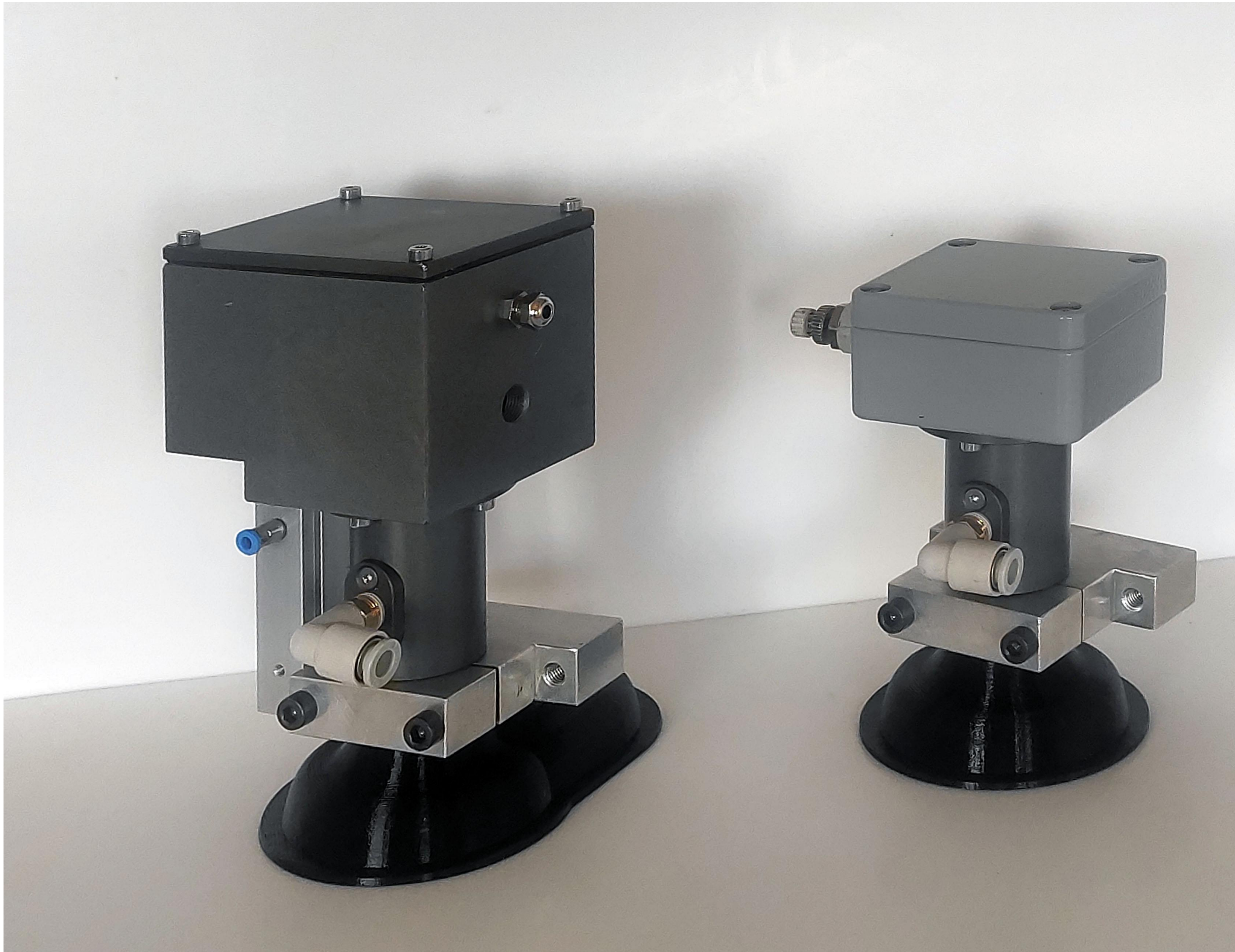
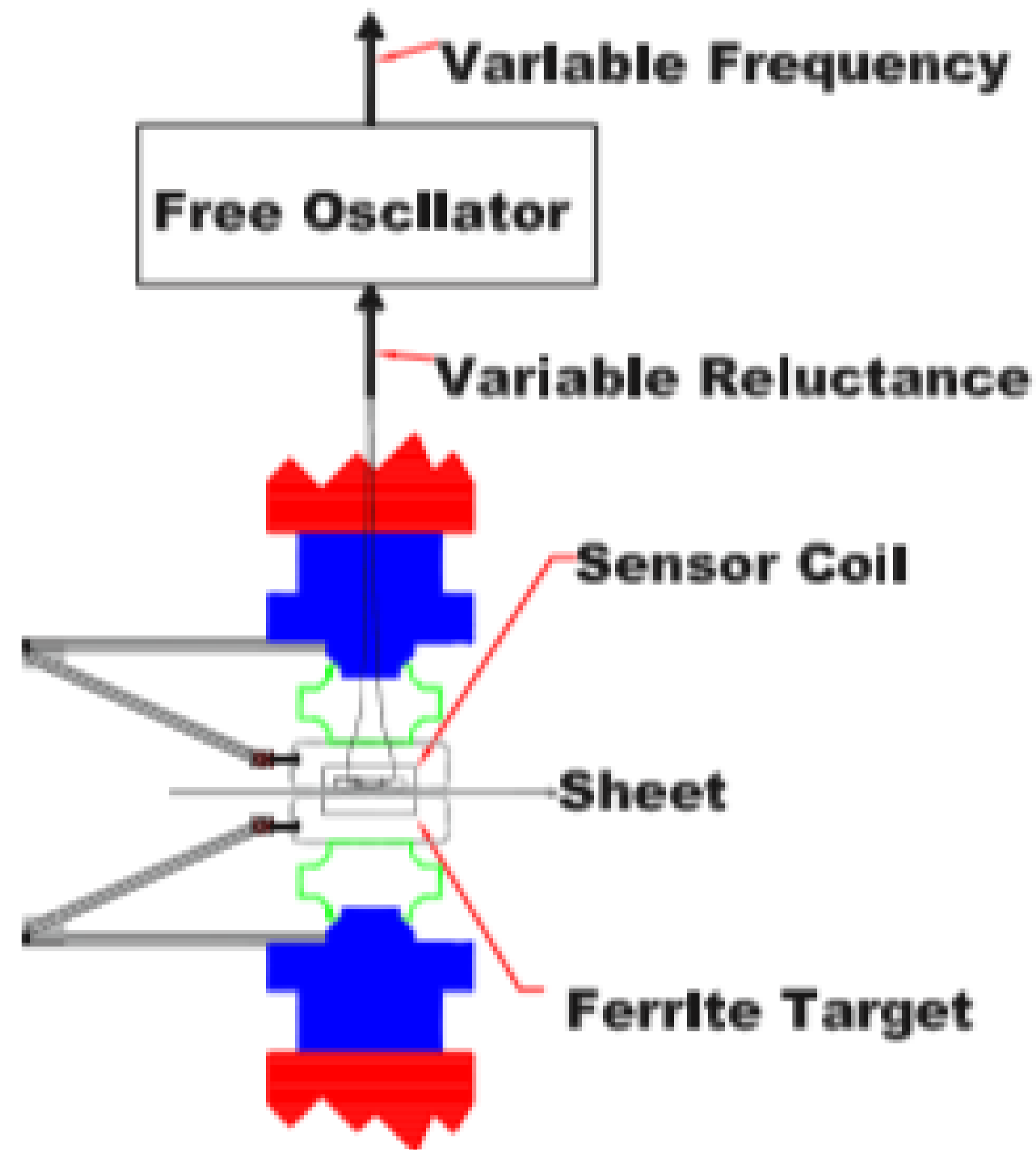


SCIENTA ONLINE THICKNESS SENSOR



- ✓ Non-Contact, double-sided online measurement
- ✓ Light touch, no marking on the sheet
- ✓ Wide measuring range
- ✓ Tolerates web vibrations

MEASURING METHOD



The Scienta Thickness Sensor operates on the principle of magnetic reluctance. Due to the light touch on the sheet, the sensor ensures high accuracy without marking of the web. Further, sensor heads are mounted on sliding stems and therefore sheet line variations do not affect the measurement. Thanks to the proprietary electronics the frequency signal is very stable and the sensor does not require a periodic standardization cycle.

BENEFITS

to various process applications such as paper, paperboard, nonwovens, plastic films etc.

- Modern, proven sensor design
- Wide measuring range, 40 – 1000 μm
- Good correlation to lab results
- Service free construction
- Easy and convenient to install and operate
- Full range of scanners available
- Tailor made head designs for various applications
- No web marking due to light touch on sheet
- Sheet vibrations does not effect the measurements
- Real time information
- Measures thin papers & transparency films
- Easy calibration and setup
- One calibration for multiple grades
- No periodic standardization cycle needed

TECHNICAL SPECIFICATIONS

Sensor Type	7240A
Construction	Double-sided
Measuring method	Magnetic reluctance
Measuring range	40 – 1000 μm
Repeatability	0,3 – 1,5 μm
Dynamic Correlation	1,5 μm
Long term thermal stability	1 μm
Power requirement	+24V, 2A
Installation	Scanning/Fixed

Sensor Type	7240A
Head parallelism	1°
Head Parallelism, Heads / Sheet Plane	2°
Shift between Heads, horizontal tolerance	1 mm
Dust protection	Rubber bellows
Air pressure req.	5 – 8 bar
Air requirement	Oil free instrument air
Temperature range	20 – 60 °C
Air consumption	210 l/min