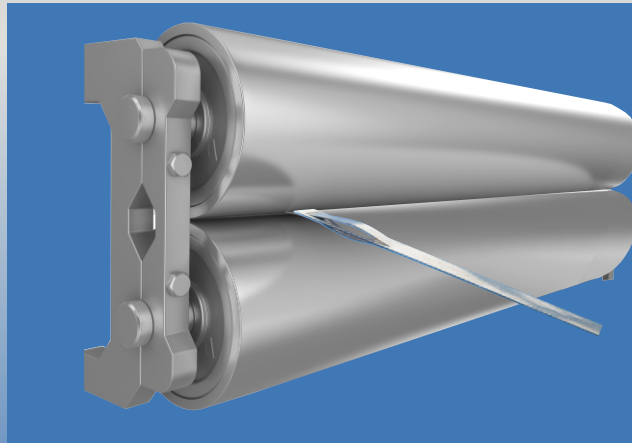




The digital feeler gauge



Process
monitoring

Information
management

Quality
assurance

Ideas for your success

Gap measurement at rolls and nozzles



Sword sensor

It can be used in a wide range of industries, from wire, sheet and film production to paper, printing and packaging industries.

Electronic gauge for roller nips

Quick and simple roller gaps and nozzle gaps can be measured using the electronic gauge gapMaster as replacement for feeler gauges. Various measuring probes enable measurement of gap widths between 0.2 mm and 10 mm or more.



Material and surface independence

In contrast to optical and capacitive devices the gapMaster is independent of material and surface. Thus gaps between roller pairs of different kinds can be measured.

Moving machine parts

The tactile sensor has very low measuring forces and is introduced into the gap. A holding function indicates the minimum value when the sensor is pushed through. As a result, gaps can be measured even when the rollers are moving.

Gap contours

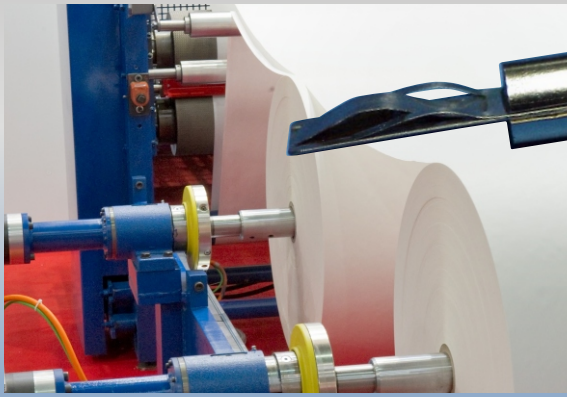
The gapMaster is characterized in particular by the fact that contours can be detected in the cleft interior. Depending on the requirements, point or line detection is realized.

The measurement is possible with long sensors up to a gap depth of more than 500 mm. For crooked and difficult-to-access areas, cranked and angled sensors are used.



Gap measurement for painting, gas and other nozzles

Technology



Push-on sensor for tool setting

Electronics

- Test frequency 30 Hz (Android®) /100 Hz (Windows®)
- Up to 4 channels
- Display depending on device model 7-10" LCD touch
- USB and WIFI interface

Other Applications

- ✓ Gap and distance measurement during machine and plant assembling
- ✓ Gap measurement and wear detection in rotary machines such as turbines, mixers, pumps and fans
- ✓ Gap measurement in metal sheet and plastic production
- ✓ Air gap measurement on motors and generators
- ✓ Measurement of sieve and matrix columns
- ✓ Gap measurement in aircraft and car mounting
- ✓ Gaps between workpiece and gauge

Patents

MFP owns patents, approvals and proprietary rights for various products and processes.

Developments

The invention of the gap sensor offers a lot of room for further developments in this field. Against the background of 30 years of experience, **MFP** has set itself the task of supporting its customers in the gap measurement with optimized sensors, matched software for Android® and Windows® as well as Latest electronics.

Team and partners

We and our national and international partners will be pleased to pass on our extensive know-how in gap measurement technology, which we have gathered at the most diverse measurement projects and in almost all sectors since the invention of the gapMaster.

Precision at every measurement

Sensors

- Measuring limits 0.2 mm to over 10 mm
- Measuring depths 2 mm to over 500 mm
- Accuracy depend on sensor up to ± 0.03 mm
- Resolution up to 0.003 mm depending on sensor
- Touch line or point
- Measuring force depending on sensor 0.5 - 2 N
- Material independence
- Surface independence

Software

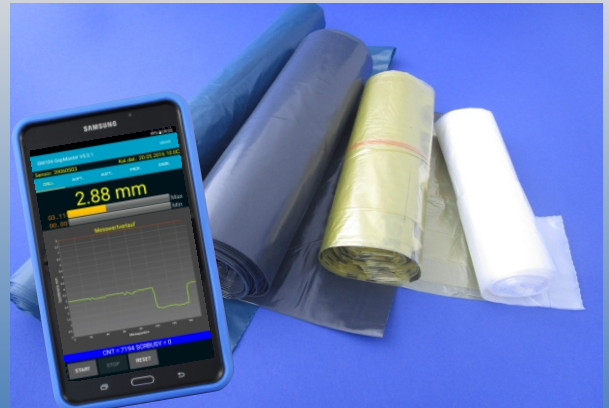
- Operating system depending on device model Android® and Windows®
- Measuring software with online / order measurement
- Multi language support
- Static and dynamic measurement
- Inspection plan and order management
- Calibration
- Data format XML, CSV and PDF

Rollers

Foil rolling
Printing rollers
Wire rolls
Rolling pairings

Jets

Blow heads for
foils and fibers
Painting and
gas jets



Gap measurement in the plastic film industry

MFP - Competence in Gap Measurement

Have we aroused your interest?

Ask for more information. Our team is at your disposal for further information.

Technical changes reserved

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