Occlusal testing and correction are two of the most demanding techniques in modern dentistry. Occlusal interference may cause dysfunctions leading to damaged teeth and pain for the patient. To avoid occlusal interference even the smallest high spots have to be traced. This art requires materials which will mark effectively and reliably in different conditions and on different materials.
The HANEL line includes a range of products for occlusal testing in the laboratory and dental practice. The materials have the correct thickness, elasticity, tensile strength and colour required by dentists for their gnathological work when locating pinpoint, surface or linear contacts, stops and microcontacts.

To complement the different test materials, HANEL also offers a range of accessories to make handling even easier.
Representation of occlusal contacts obtained with different thicknesses of test materials

200 μ Paper
Thick test material. Areas of high pressure cause larger marks.

80 μ Silk
Highly differentiated colour transfer, medium fine with progressive markings, supple

80 μ and 40 μ Paper
Medium fine test material

12 μ Foil
Fine test material for pinpoint marking of high spots

In our experience the following colour/material combinations can be recommended:

- Gold blue
- Porcelain blue
- Amalgam green/red
- Composites blue/red

Blue foil is best used on particularly shiny surfaces (Gold, Porcelain) because of its contrast to the flesh coloured soft tissue.
Articulating Paper

Articulating Paper 200 μ
For the first stage of testing, to differentiate between areas of high and low masticatory pressure

• allows for a quick overview of the occlusal contact situation
• progressive markings: the lower the masticatory pressure, the lighter the marking and vice versa
• available as strips in a practical dispenser box
• occlusal adjustment is simplified by the progressive markings

REF

300 Sheets (18 mm x 50 mm)  480 392 480 397
Articulating Paper 80µ + 40µ

For medium fine testing

Available on rolls, or I-, C- and U-form sheets for easy, quick and precise marking. The use of tweezers is not necessary.

• double sided
• papers are available in one or two colours
• deep colours for good marking

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<tr>
<th>REF</th>
<th>80µ</th>
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<tr>
<td>72 Sheets</td>
<td>480 367</td>
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<td>480 364</td>
<td>480 332</td>
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<td>144 Sheets</td>
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<td>144 Sheets (20mm x 105mm)</td>
<td>480 384</td>
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<td>120 Sheets (22mm x 110mm)</td>
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<td>15 m (22mm wide)</td>
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<td>480 327</td>
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Occlusion Foil

The 22 mm wide foil is available in single-sided, double-sided one colour-ed and double-sided two coloured. For the 22 mm wide foil a practical dispenser is available with an integrated cutter.

The 80 mm wide foil is available single-sided or double-sided one coloured in a practical dispenser box.

- extremely thin
- very pliable
- pinpoint marking of stops and microcontacts
- non toxic colour layer
- no smearing

Occlusion Foil 12μ

For precise occlusal adjustment

The HANEL foil fulfils all the requirements needed for today’s gnathology. The biaxial characteristics of the foil ensure that it is highly tear resistant yet elastic. It is extremely fine and the precise colour transfer guarantees pinpoint markings on high spots.
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**Start-Set**

4 single-sided foils à 5 m (black, red, green, blue)  
480 563

**Start-Set**

4 double-sided foils à 5 m (black, red, green, blue)  
480 564

For the foil dispenser for 22 mm and other accessories please see page 15
Articulating Silk

Articulating Silk 80 μ
High quality natural silk. A medium fine material with progressive colour transfer, for use in the laboratory and dental practice.

• excellent tracing capacity
• extremely supple
• progressive colour transfer

22 mm × 10 m
80 mm × 10 m

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Shimstock-Foil

Shimstock-Foil 8 μ
For a precise end check

The Shimstock-Foil is a metal foil without a colour coating. When the teeth are in normal occlusion, this foil can be pulled through the ground-in contacts. If a muscle tonus exists, the foil is held back.
Occlusion Spray

Okklu-top
For checking approximal contact points and on interior surfaces of crowns and bridges, in the lab.

• extremely fine grain
• the colour is sprayed uniformly
• the special nozzle pipe allows precise spraying even in small areas
• good markings on gold, ceramic and plastic teeth
• even small contact points can be identified
• no irritation of the respiratory tract
• can be easily removed with water or alcohol

Can (75 ml)

REF
480 410
480 411
Ghm-Spray

The Ghm-Spray is ideal for use in the crown and bridge technique in the lab. It is available in a practical 100 ml spray can.

- precise application through use of nozzle pipe
- can be easily removed with water or alcohol
Clamping Tweezers

Precise tweezers are a must when working with super thin foils. All tweezers can be autoclaved.

**Miller tweezers**
- straight ① 480 610
- bent ② 480 612

**Double-fork**
- for the lab ③ 480 613
double-fork clamping tweezers for dental laboratories (with an off-set handle to ensure that the incisal pin of the articulator is not an obstacle).

- for the practice ④ 480 614
double-fork tweezers for work in the dental surgery are folded when placed into the patients mouth, then opened with one hand for the full arch test.

**Tweezers for Articulating Paper** ⑤ 480 640
Dispenser

Foil Dispenser

- for 22 mm rolls
- transparent
- with integrated cutter

Join two or more dispensers with the Dispenser-Holder or Connector.

REF 480 620
Accessories

Foil-Dispenser-Holder
Plexiglass, attractive design

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Connector
a practical alternative to hold 2, 3 or 4 dispensers together

REF 480 624
All HANEL Products are available through your dental dealer