

speed up production

the Metacon light cured wax system offers substantial quality and time saving benefits for the full range of dental applications



Joachim Mosch e.K.
Tannenwaldallee 4
D-61348 Bad Homburg / Germany
Tel. +49 (0) 61 72 - 99 77 0 - 0
Fax +49 (0) 61 72 - 99 77 0 - 99

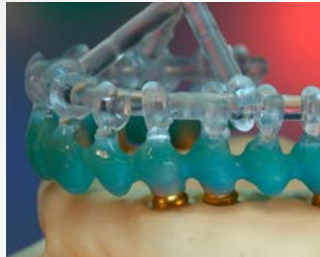
primotec@primogroup.de
www.primogroup.de

SPEED UP PRODUCTION

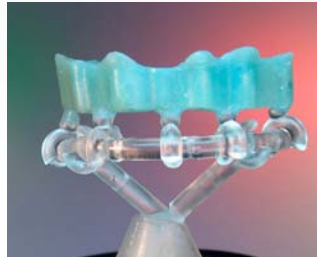
metacon

the light cured WAX

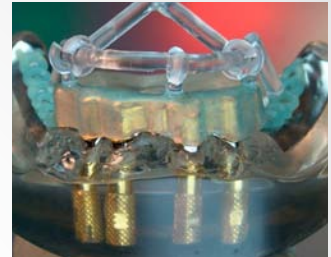
the very unique chemical formula of the Metacon wax ideally combines waxes, acrylics and photo-polymerising elements. Thus the material handles like wax before - and like acrylic after light curing

implant bridge



implant bar



tertiary structure modelled...



...and cast



implant structure light cured and...



...metal try-in



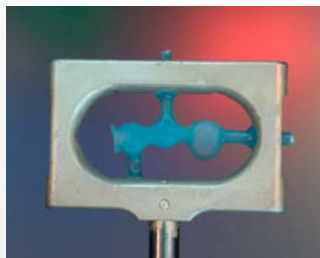
crown and bridgework



pressable ceramics



scanning



scan frame Cercon, Zirkonzahn, Ceramill



lower partial with clasps



two lower partials in one ring!



uses

the full range of dental applications:

- crown and bridge restorations

» implant bars and bridges

- modellations for pressable ceramics
- combination cases with attachments
- partial dentures with clasps
- full upper palate plates

without duplicating material and refractory model



advantages

- eliminates refractory models
 - no need for duplicating materials
 - more precise than conventional waxing methods
 - substantial time and cost saving
 - handles like wax before it is cured
 - after it is cured, it handles like acrylic
 - does not show any shrinkage or distortion after curing
 - the material is strong yet flexible
 - polymerized Metacon wax has a physical memory
 - can be trimmed before investing
 - burns out cleanly and completely
 - does not expand in the ring
 - available as modelling wax and as pre-formed patterns
- **metalight**
light curing units
mini, trend & classic (from left to right)
more information on page 11



technical tips

For best temperature control rather wax up with an electric wax spatula than with an instrument and Bunsen burner. Alternatively Metacon can be kneaded “cold” as it offers perfect modelling consistency just slightly above room temperature. This method is even more productive.

To easily lift partials off the model after light curing always use the Metacon system separators and follow the instructions.

Do not try to wax up all details. It is much more productive to light cure the material first, then create the final shape details in the acrylic stage with grinding tools.

For best results always light cure the material in primotec’s metalight curing units. Do not use any light curing units that generate heat inside the curing chamber and/ or any strobe lights.

science

The Metacon light cured wax is a unique chemical composition of cracked carbon chains (acrylic) with photo initiators attached to both ends of the carbon chain pieces. These conditioned acrylic parts

are then mixed with specially formulated waxes. Metawax modelling wax and Metaform preformed wax patterns are chemically equal but have a different density.



SPEED UP PRODUCTION

working procedure



1 after survey, design and block out apply the Metaseal separator



2 Metaform preformed patterns are available as clasps, stipple sheets, retentions, bars, etc.



3 for perfect adaptation the Meta-vac device is used



4 after light curing to acrylic the Metacon material can be trimmed



5 wax up completed, ready for sprueing and investing



6 when using the Metaring investing system three partials can easily be cast in one ring



7 for best fitting the investment material expansion needs to be adjusted 10% up



8 three partials, one button and minimum investment material used

metaconSystem

publications

- **There are simpler ways ...**
by Joachim Mosch CDT
and Andreas Hoffmann MDT
published in Spectrum Dialogue
Vol.8 No.9
- **The Metacon System – Part 1/2**
by Bettina Cortés CDT
published in Spectrum Dialogue
Vol.6 No.8 & Vol.6 No.9
- **Distortion Free Modeling Using the “cold”
Technique – Heat-free-modeling**
by Joachim Mosch, CDT and
Andreas Hoffmann, MDT
Published in Spectrum Dialogue
Vol. 9 No. 2

Find these and more publications as well as the Material Safety Data Sheets (MSDS) under www.primogroup.de or call primotec Germany at +49(0) 61 72 - 99 770 - 0 for your free printed copy.

training courses

- **MetaconSystem – Implants made easy**
In this course learn how to fabricate single unit to full arch implant cases easily, precisely and quickly using Metacon light cured wax.
- **MetaconSystem – Partial dentures made easy**
In this course learn how to fabricate partial dentures on the master model without needing to make a refractory model or use duplicating materials.

On a regular basis, various metaconSystem training courses are organized in primotec's teaching facilities in Germany and in the USA. In addition, many primotec distribution partners worldwide offer different courses with their domestic specialists. For more information, please contact primotec Germany or call your local primotec partner.

www.primogroup.de



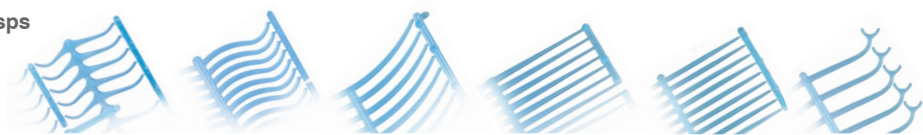
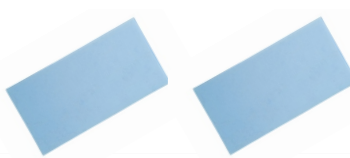

ORDERING INFO

metaconSystem – Starter Sets and Kits

Item #	Item
<p>MC Starter Set M</p> 	<p>metaconSystem Starter Set M</p> <p>includes:</p> <ul style="list-style-type: none"> · ML120: metalight mini - light curing unit · IM200: Metatouch - finger and instrument separator (40g) · IM300: Metaseal - stone model and die separator (40g) · MW100: Metawax - modelling wax (20g) · Metaform sprue sticks round - 3,5 mm (6 pieces) · Metaform rods - 6 mm (3 pieces) · Metaform smooth sheet - 0,55 x 67 x 130 mm (1 sheet) · Know-How-DVD
<p>MC Starter Set T</p> 	<p>metaconSystem Starter Set T</p> <p>includes:</p> <ul style="list-style-type: none"> · ML110: metalight trend - light curing unit · IM200: Metatouch - finger and instrument separator (40g) · IM300: Metaseal - stone model and die separator (40g) · MW100: Metawax - modelling wax (20g) · Metaform sprue sticks round - 3,5 mm (6 pieces) · Metaform rods - 6 mm (3 pieces) · Metaform smooth sheet - 0,55 x 67 x 130 mm (1 sheet) · Know-How-DVD
<p>KB-KIT</p> 	<p>Partials & Full Plate base kit</p> <p>includes:</p> <ul style="list-style-type: none"> · IM200: Metatouch - finger and instrument separator (40g) · IM300: Metaseal - stone model and die separator (40g) · GK300: Metaform sprue sticks round - 3,5 mm (53g) · GK400: Metaform rods - 6 mm (60g) · MW100: Metawax - modelling wax (20g) · PP151: Metaform smooth sheet – 0,55 x 67 x 130 mm (6 sheets)
<p>MG-KIT</p> 	<p>Partials & Full Plate base kit</p> <p>includes:</p> <ul style="list-style-type: none"> · BP300: Metaform lingual bar straight drop shape (40g) · IM200: Metatouch - finger and instrument separator (40g) · IM300: Metaseal - stone model and die separator (40g) · GK300: Metaform sprue sticks round - 3,5 mm (53g) · KP100: Metaform premolar clasp (5 sheets, 100 pieces) · PP301: Metaform stipple sheet – 0,55 x 67 x 130 mm (6 sheets) · RP200: Metaform mesh retentions (6 sheets, 5 pieces) · RP400: Metaform retention hole shape (5 sheets, 45 pieces) · SK100: Silikobold - modelling instrument · VB100: Metabond - connecting bonder (10ml)
<p>TZ-KIT</p> 	<p>Vacuum-Suction kit</p> <p>includes:</p> <ul style="list-style-type: none"> · KD100: Metatex - latex covers (1 pack, 36 pieces) · MG100: Metagran - clear acrylic grains (120g) · MP100: Metapump - hand vacuum pump · MV100: Metavac - vacuum-suction device <p>not suitable for metalight mini</p>

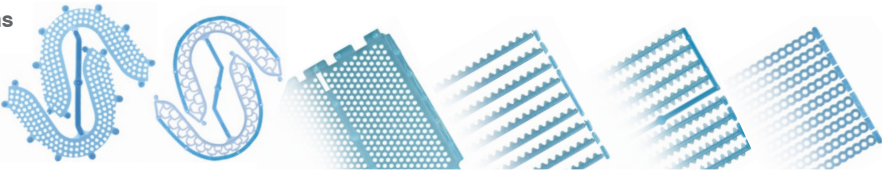



ORDERING INFO

metaconSystem preformed patterns

Item #	Item
Clasps	
	
KP100	Metaform premolar clasp (4 sheets, 100 pieces)
KP200	Metaform molar clasp (5 sheets, 140 pieces)
KP300	Metaform ring clasp (5 sheets, 130 pieces)
KP400	Metaform straight clasp large (5 sheets, 180 pieces)
KP500	Metaform straight clasp medium (5 sheets, 180 pieces)
KP600	Metaform roach clasp (5 sheets, 100 pieces)
Sheets	
	
PP101	Metaform stipple sheet – 0,35 x 67 x 130 mm (6 sheets)
PP201	Metaform stipple sheet – 0,45 x 67 x 130 mm (6 sheets)
PP301	Metaform stipple sheet – 0,55 x 67 x 130 mm (6 sheets)
PP401	Metaform stipple sheet – 0,65 x 67 x 130 mm (6 sheets)
PP105	Metaform rougher stipple sheet – 0,35 x 67 x 130 mm (6 sheets)
PP205	Metaform rougher stipple sheet – 0,45 x 67 x 130 mm (6 sheets)
PP305	Metaform rougher stipple sheet – 0,55 x 67 x 130 mm (6 sheets)
PP405	Metaform rougher stipple sheet – 0,65 x 67 x 130 mm (6 sheets)
PP151	Metaform smooth sheet – 0,55 x 67 x 130 mm (6 sheets)
PP251	Metaform smooth sheet – 0,80 x 67 x 130 mm (6 sheets)
PP351	Metaform smooth sheet – 1,40 x 67 x 130 mm (5 sheets)
PP451	Metaform smooth sheet – 1,80 x 67 x 130 mm (5 sheets)
Lingual bars	
	
BP100	Metaform lingual bar swung (5 sheets, 40 pieces)
BP200	Metaform lingual bar swung with retention (5 sheets, 20 pieces)
BP300	Metaform lingual bar straight drop shape (40g)
BP400	Metaform lingual bar straight trapezium (40g)
BP500	Metaform bar for upper open palate plates (5 sheets, 45 pieces)

ORDERING INFO

metaconSystem preformed patterns

Item #	Item
Retentions	
	
RP100	Metaform mesh retention for toothless jaws (5 sheets, 10 pieces)
RP150	Metaform loop retentions (5 sheets, 10 pieces)
RP200	Metaform mesh retentions (6 sheets, 6 pieces)
RP300	Metaform retention comb shape (5 sheets, 45 pieces)
RP350	Metaform double comb shape retention (5 sheets, 40 pieces)
RP400	Metaform retention hole shape (5 sheets, 45 pieces)
Sprues	
	
GK100	Metaform sprue sticks round – 1,5 mm (15g)
GK200	Metaform sprue sticks round – 2,5 mm (30g)
GK300	Metaform sprue sticks round – 3,5 mm (53g)
Rods and half round sticks	
	
GK400	Metaform rods – 6 mm (60g)
GK500	Metaform half round sticks – 1,6 (16g)
GK600	Metaform half round sticks – 2,2 (22g)
Occlusal surfaces & backing plates	
	
FP100	Metaform upper occlusal surfaces (3 sheets, 120 pieces)
FP200	Metaform lower occlusal surfaces (3 sheets, 120 pieces)
FP300	Metaform backing plate (3 sheets, 120 pieces)

ORDERING INFO

metaconSystem peripherals

Item #	Item
MW100 	Metawax modelling wax (20g)
IM200 	Metatouch finger and instrument separator (40g)
IM300 	Metaseal stone model and die separator (40g)
VB100 	Metabond connecting bonder (10ml)
SK100 	Silikobold modelling instrument – features rounded smooth, rounded stippled and flat sides (perfect for Metacon system)
MV100 	Metavac vacuum-suction device
MP100 	Metapump hand vacuum pump
MG100 	Metagran clear acrylic grains (120g)
KD100 	Metatex latex covers (36 pieces)

distortion free light curing units

innovative cooling system for stress free light curing

metalight mini

Metalight mini – is the smallest and most cost effective Metalight model. It is optimal for use directly at the work bench, which increases efficiency and avoids wait times at the central laboratory light curing unit. The chamber accommodates up to two stone models.

metalight trend

Metalight trend – is more spacious than the Metalight mini and is equipped with an push button operating panel.

There are three easy touch buttons for 5, 10 and 15 minute polymerization cycles. The chamber provides sufficient space for the metavac suction device, up to 4 models and taller models with plaster bases.

metalight classic

Metalight classic – provides the largest polymerization chamber, easily fitting any full size articulator. Twelve lights combined with special paint inside the chamber provide ultimate light power within the spectrum of 320-400nm (optionally 320-500nm). It also has three easy touch buttons for 5, 10 and 15 minutes polymerization cycles. The curing process starts automatically once the top is placed on the unit. A built in filter protects the chamber and cases from dust during operation.

ORDERING INFO

Item #		Item
ML120		metalight mini – light curing unit two UV-bulbs (320nm - 500nm); L=310mm, Ø=120mm, H=162mm not suitable for metacon TZ Kit
ML110		metalight trend – light curing unit four UV-bulbs (320nm - 500nm); three polymerization cycles; L=330mm, Ø=180mm, H=230mm
ML100		metalight classic – light curing unit twelve UV-bulbs (320nm - 400nm)*; three polymerization cycles; H=383mm, Ø=243mm *optional to 500 nm
ML800		metalight bulb 9W/79/G23 – from 320 to 400 nm
ML801		metalight bulb 9W/71/G23 – from 400 to 500 nm