CHROME™
GuidedSMILE™

Fundamentals of

CHROME GuidedSMILE

Safer. Faster. Smaller. Stronger.

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CHROME™ GuidedSMILE™

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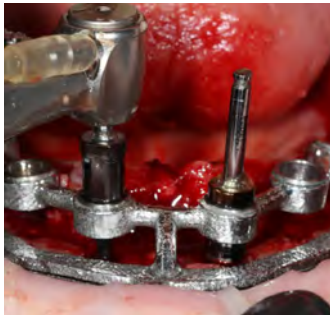
WHY CHROME?

Benefits of CHROME

Safer

- **Predictable surgery** – CHROME stacked metal guides offer an uncomplicated and highly methodical approach to guided surgery.
- **Precise planned placement** – Metal guide facilitates accurate implant depth and trajectory.
- **Planned bone reduction** – Prosthetically driven plan ensures ideal space and bone reduction.
- **Full visibility and irrigation** – Watch your osteotomies safely take shape with highly visual floating guide technology.



Metal guides allow full visualization of drills and implant sites

Faster

- **Dedicated CHROME team** – Our expert CHROME team takes your case from record capture to patient surgery in just under a month.
- **Efficient surgery** – Many doctors finish a full arch all-on-x surgery in under 2 hours.
- **Efficient conversions** – C2F Small Hole Technology allows for extra-oral conversions while the patient is sutured.
- **Enhanced healing** – Minimal lingual flapping and shorter surgery time results in reduced patient healing time.

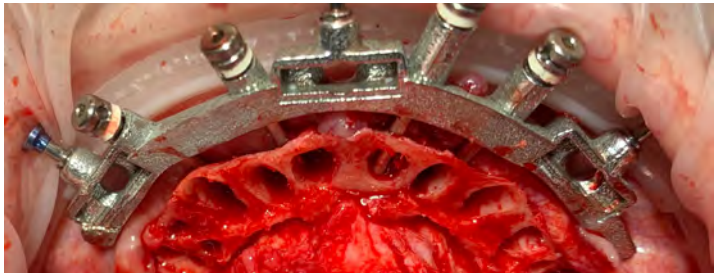
Metal guides streamline surgical and restorative processes for less chairtime

WHY CHROME?

Benefits of CHROME

Smaller

- **Functional design** – Core components of the CHROME GuidedSMILE system are made of strong a CoCr alloy resulting in a guide with smaller oral footprint when compared to plastic guide systems.
- **Mechanical pinning** – A small, incredibly strong pinning system removes the significant patient discomfort caused by larger pins required by other non-metal guided systems.
- **Precise actions** – Doctors fit our guides to the tissue and/or teeth, not the bone, as with plastic guides.
- **Smaller prosthetic holes** – C2F Small Hole Technology allows for extra-oral conversion, stronger prosthetics, and small 2.5mm holes, similar to final restorations.



Small oral footprint: metal guide does not touch bone

C2F Small Hole Technology

C2F extra-oral equilibration

Stronger

- **Inherent strength** – The CoCr CHROME guides are 20x stronger than surgical resin and do not flex or break under pressure during surgery.
- **Prosthetic choice** – CHROME allows for strong, beautiful, metal-reinforced FP1 to FP3 provisionals.
- **Superior Anchorage** – A special cortical drill and pin design ensures a stable guide to stack the componentry.
- **Stronger support network** – The CHROME Lab Network offers experts in CHROME throughout the country.

Metal guides do not flex or break under the pressures of surgery

WHAT IS CHROME?

Case Contents

CHROME GuidedSMILE is the ultimate all-on-x guide on the market. It is the careful marriage of detailed surgical planning by a dedicated team of dental professionals, utilizing advanced dental design software, and the execution of modern high-quality digital manufacturing processes.

1. Bone Model
2. Reduced Bone Model
3. Tooth Model
4. Osteotomy Guide
5. Pin Guide
6. Fixation Base
7. Provisional Prosthetic
8. RAPID Appliance
9. Carrier Guide
10. CHROME Pouch:
    Includes blockout plugs, gaskets, models, misc.
11. CHROME Box:
    Contains all listed above

Intro to CHROME Video

CHROME in Motion

Watch the Animation

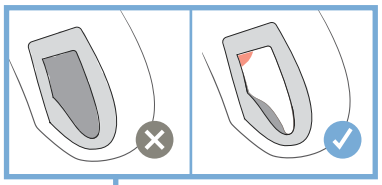
Pin Guide

The Pin Guide is the first component of the CHROME surgical process and ensures that the surgery starts accurately. Its only purpose is to accurately deliver the Fixation Base.

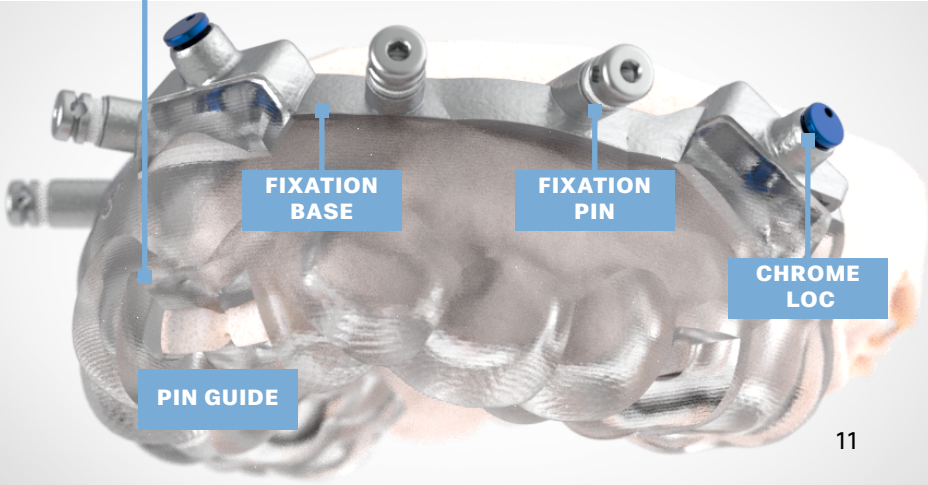
Dentate Pin Guides seat securely on the teeth and are verified via occlusal windows. The Pin Guide is held down firmly to maintain its position while the fixation pins are set. Due to tooth undercut, not all the windows need to be seated, just the occlusal/incisal.

Pins and Drills

Verify seating via occlusal windows.



Pin Guide & Fixation Base Video



Fixation Base

The Fixation Base is designed using patent-pending floating guide technology; meaning the guide does not contact bone and is supported by divergent pin placement.

The Fixation Base has two core functions:

1. The first is bone reduction. The occlusal edge of the Fixation Base is designed to indicate the level to which the bone needs to be reduced. The passive placement of the Carrier Guide onto the Fixation Base indicates sufficient bone reduction.
2. The second function of the Function Base is that it is the foundation for all subsequent components in the CHROME GuidedSMILE surgery.

Above: Floating guide technology; guide does not touch bone

Accurate Bone Reduction

Right: Before and after guided bone reduction with the Fixation Base

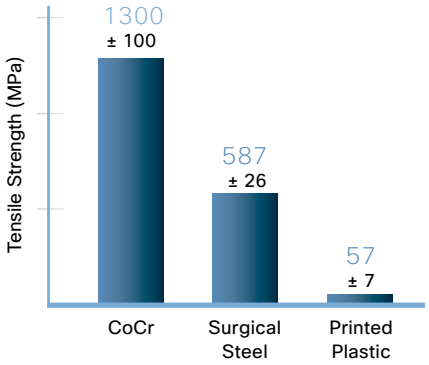
Pin Guide & Fixation Base Video

Osteotomy Guide

The Osteotomy Guide facilitates stable, controlled drilling for implant depth, trajectory, and indexing (rotation).

It mechanically clicks into the Fixation Base via custom CHROME Locs and allows for the full visualization, irrigation, and precision in osteotomy creation.

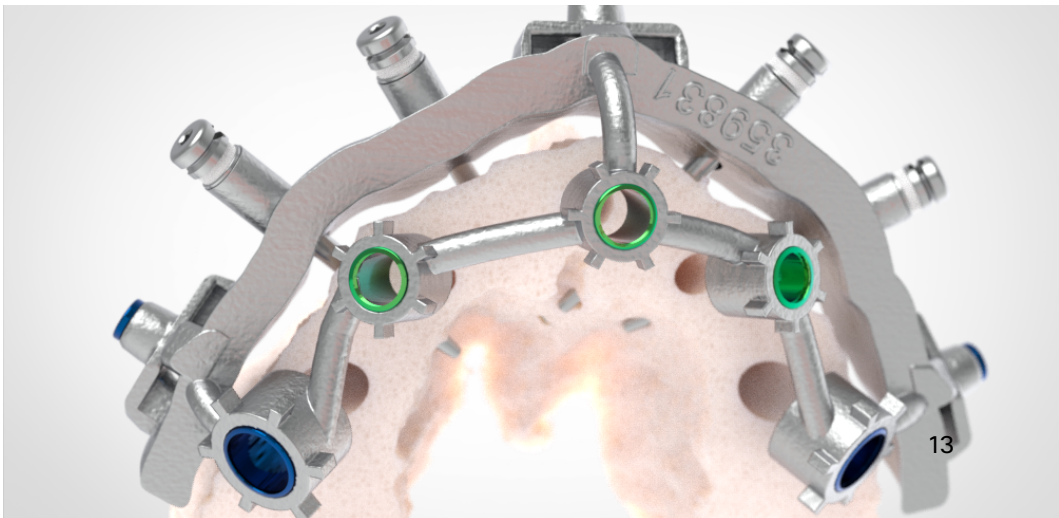
Made of Cobalt-Chromium alloy, the Osteotomy Guide is unique in the industry for its strength, size and rigidity, and is compatible with semi or fully-guided surgical kits.



Strength & Stability

Left: Tensile strength of Cobalt CHROME vs surgical stainless-steel vs medical printed plastic

Osteotomy Guide Video

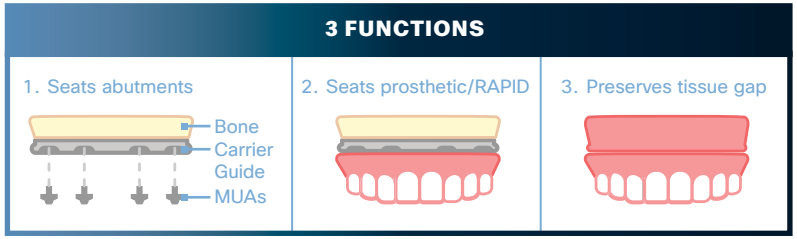


Carrier Guide

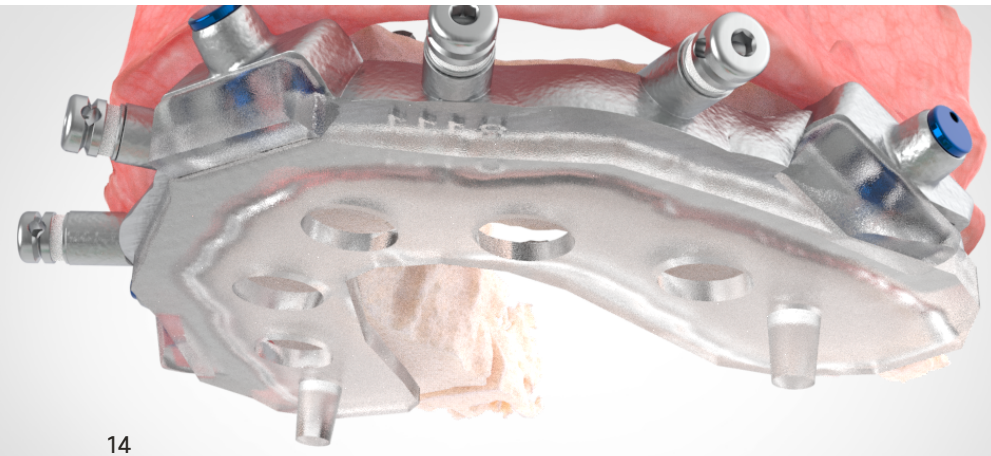
Once the Osteotomy Guide has been removed, the Carrier Guide is locked into the Fixation Base by use of the CHROME Locs.

One function of the Carrier Guide is to serve as a tissue gap between the bone reduction and prosthetic conversion.

It also serves as a key indicator to the rotation and direction of the multi-unit abutment screw.



The Carrier Guide remains in the mouth through the prosthetic conversion. The two transparent plastic pegs on the Carrier Guide deliver the Provisional Prosthetic and RAPID Appliance in the proper position as planned.



Provisional Prosthetic

The Provisional is a strong and esthetic prototype for the final restoration. It is designed for immediate load and long-term use.

The Provisional is delivered the day of surgery and remains in use until the final prosthetic conversion.

Carrier Guide, Provisional Prosthetic, & RAPID Appliance Video

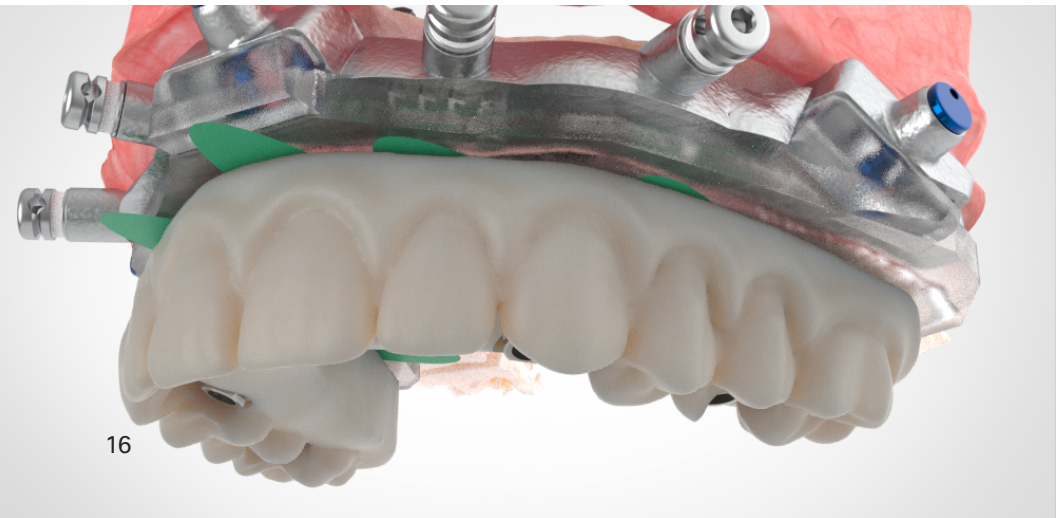
RAPID Appliance

The RAPID Appliance has two unique and very important functions:

1. Serves as the simplest method of transitioning to the final. Simply add tray adhesive to the intaglio, seat, capture a reline impression, equilibrate, and send to your lab with bite opposing and photographs.
2. Serves as a back-up indexed prosthetic in case the surgical prosthetic fails. Simply seat the RAPID, equilibrate, capture a bite and opposing, and send to your lab for a new temporary or printed try-in.

The CHROME team can go to final or return what we call the Printed Try-In, a screw-down final prototype for clinical verification.

Carrier Guide, Provisional Prosthetic, & RAPID Appliance Video

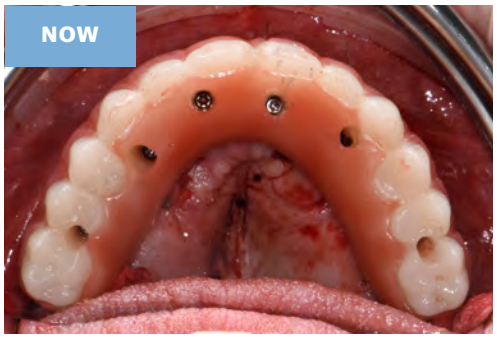


C2F – Conversion to Final

C2F (Conversion to Final) is a system which integrates **Small Hole Technology** for immediate load prosthetics. C2F immediate prosthetics have just 2.5mm diameter holes, rather than the typical industry-standard larger holes, making for a stronger, more esthetic provisional.

C2F maintains the principal structure of the manufactured material, preserving the ideally designed occlusion. C2F also provides an extra-oral method of equilibration, creating a master cast on the day of surgery.

Patients leave on the day of surgery with a beautifully crafted prosthetic without resin filled holes and faked-in occlusion.



Small Hole Technology

Right: 2.5mm prosthetic holes on the day of surgery are the new C2F standard

C2F Video

SURGICAL COMPONENTS

CHROME Natural

The Effective FP1 All-On-X Approach

There is a philosophy of minimal bone reduction surging in full arch dentistry. Most full-arch, immediate-load, cases completed today do not follow this philosophy. There is an alternative, CHROME Natural, and it is a member of the CHROME family of products.

Watch this patient case video to better understand the unique aspects of CHROME Natural

CHROME Natural FP1-type bridge meets the tissue with minimal bone reduction

You've met us... now see us in action!

Interested in learning more about CHROME GuidedSMILE?

Visit www.chromeguidedsmile.com/surgical to download the Surgical Protocol eBook. Includes step-by-step protocol, helpful tips, QR codes to surgical training videos & more!

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