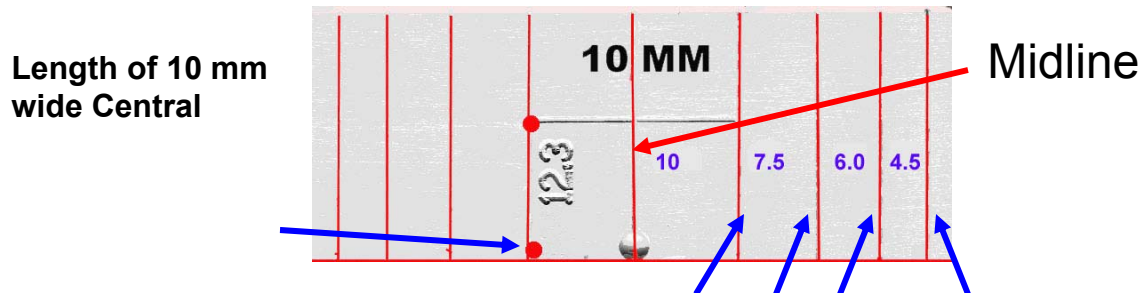


Emmons Golden Proportion Guide Plane© Offers

- A complete step by step method of using the Golden Proportion to govern anterior aesthetics. That is very fast and easy to use.
- **You do not have to have your case mounted on an adjustable articulator.**
- To save you time we have done the calculating for you , simply select a guide plate using our Harmonic Smile Guide© and go to work.
- The Emmons Golden Proportion Guide Plane is pre-set for the central through first bicuspid from 7 mm centrals to 10.5 mm centrals.
- The Emmons Golden Proportion Guide Plane system comes with a pre-calculated chart of facial measurements, Now you will start the case with the best height / width choices for the individual case.
- You can make anterior symmetry decisions in an instant.
- Know the correct FULL width of the maxillary anterior teeth at a glance..
- Eliminate canted anterior wax ups.
- Kit includes auto loading CD Guide to maximize your results using the Emmons Golden Proportion Guide Plane.
- Each guide plane plate is calculated to the ratios shown on the plate below.



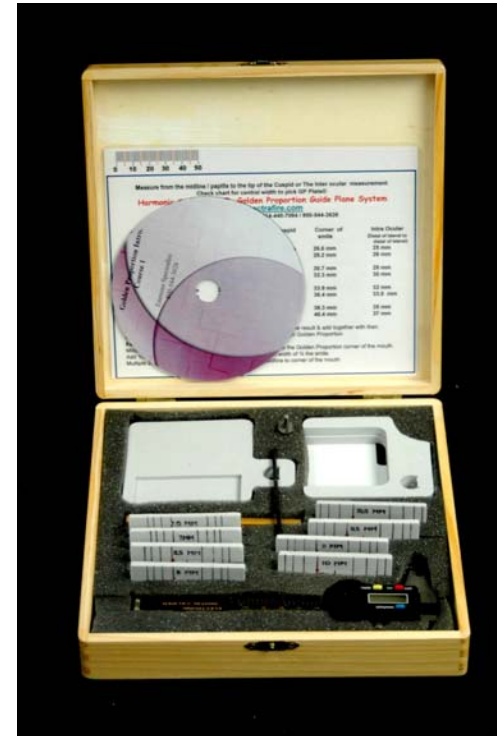
The individual length of the central is calculated by multiplying the width of **both** centrals x **.618**



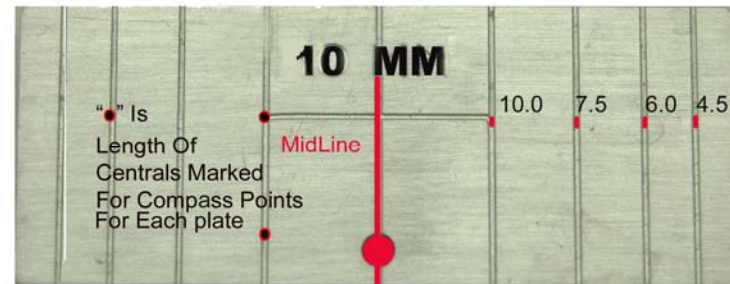
Full Course CD
Available Separately

The following slides will show you our simplified system & cases we used the Golden Proportion Guide Plane to manage anterior cosmetics.

Golden Proportion Guide Plane Kit

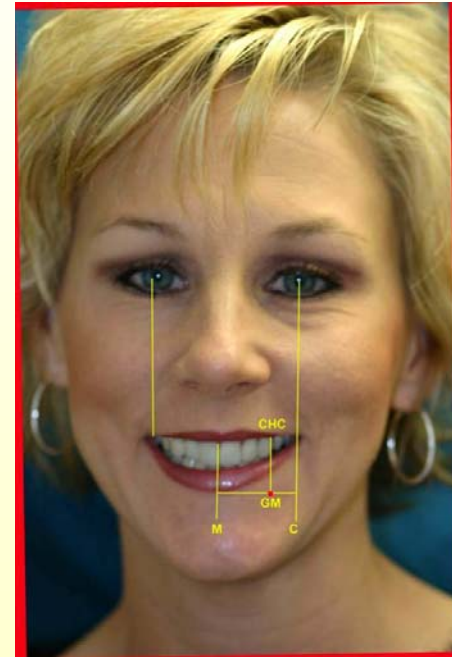


The Golden Proportion Guide Plane kit has individual full anterior plates ranging from 7 mm centrals to 10.5 mm centrals



Why Are These Proportions Of Any Interest ?

- The Golden proportion gives us a mathematical way to design the anterior aesthetics for optimum facial harmony.
- The Emmons Guide Plane gives us the Golden Proportion harmony in a simple, fast & efficient manner to get good symmetry & proportion.



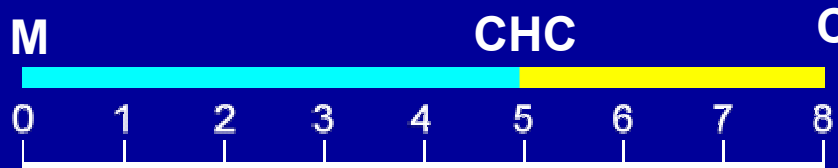
Legend for lines on pictures: C= corner of mouth, M = midline, GM= Golden Mean, CHC = Cuspid height of Contour

Legend for lines on pictures: C= corner of mouth, M = midline, GM= Golden Mean, CHC = Cuspid height of Contour, I/O = Interocular distance, PD = pupillary distance

The Golden Mean

The Golden Mean is a very specific geometric mean. In the geometric mean below we see the following lengths of line segments on the number line:

The Golden Mean imposes the additional requirement that the two segments that define the mean also add to the length of the entire line segment:



This occurs only at one point, which as you can see above is just a little less than 5/8ths, or 0.625. The actual point of the Golden Mean is at 0.6180339887..., where:

A is to B as B is to C

AND

$B + C = A$



Yellow line = 3
Blue line = 5
White line = 8

Don't let all this math make you crazy! Our Golden Proportion Guide Plane has the math pre calculated for each guide plane plate.

Simply measure the centrals / divide by two & select the plate from our kit.

Golden Proportions

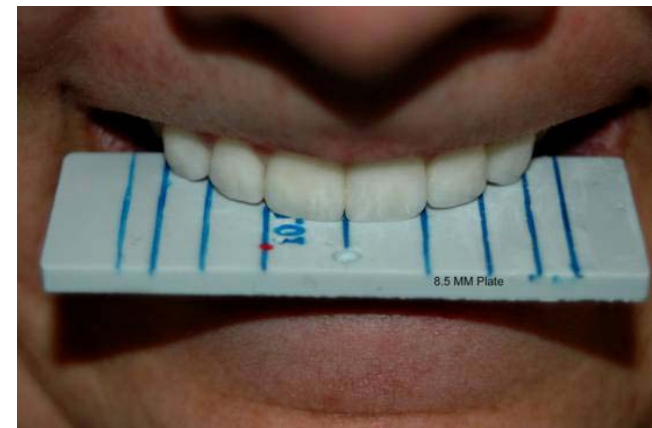
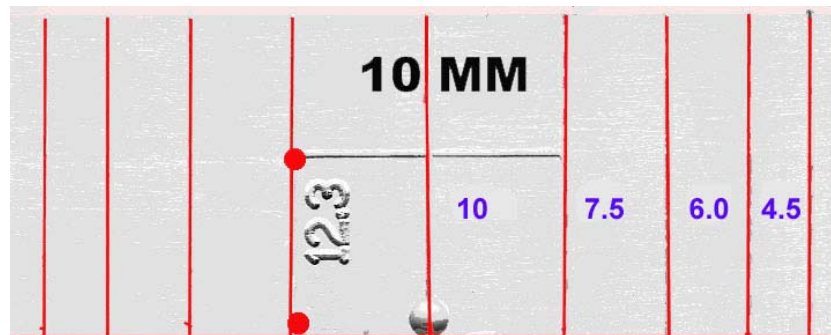
The Golden Proportion, Phi is found in the dimensions of the teeth, mouth, lips and even your smile.

These proportions can be determined by using a Golden Mean gauge or The Emmons Golden Proportion Guide plane system.

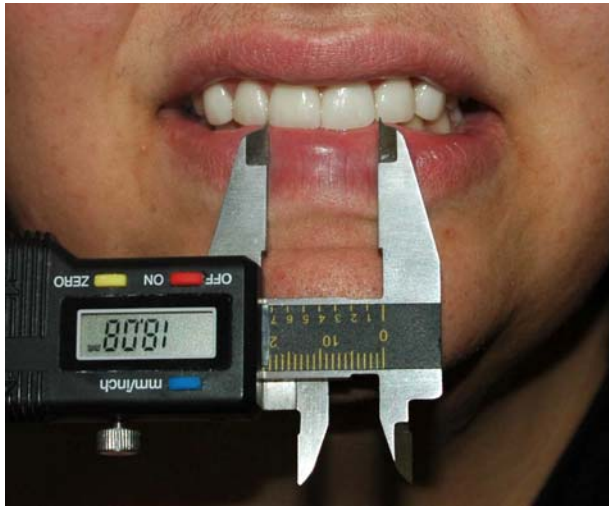
The central length is engraved & marked for compass points for each Golden Proportion Guide plate.

Each plate is calculated to follow the proportions indicated below. The lateral is 75% of the central width, the cuspid (CHC) is 65% of the central width & the bicuspid is 45% the width of the central.

Emmons Golden Proportion Guide Plane allows you to spend your time on the aesthetics instead of the mechanics.



The Two Basic Measurements To Select The Golden Proportion Guide Plane Plate & You Are Ready To Go



Measure the width of both centrals & divide by 2



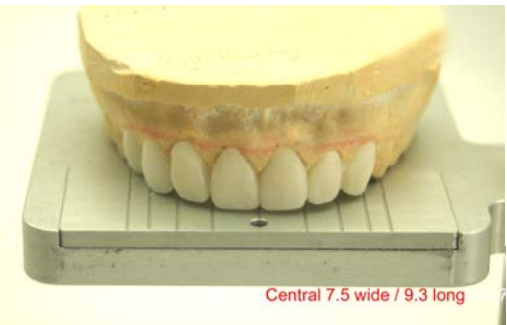
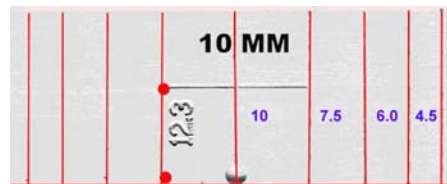
Measure the patient midline to cuspid height of contour.

Then go to the Harmonic Smile Guide to select the best Guide Plane plate.

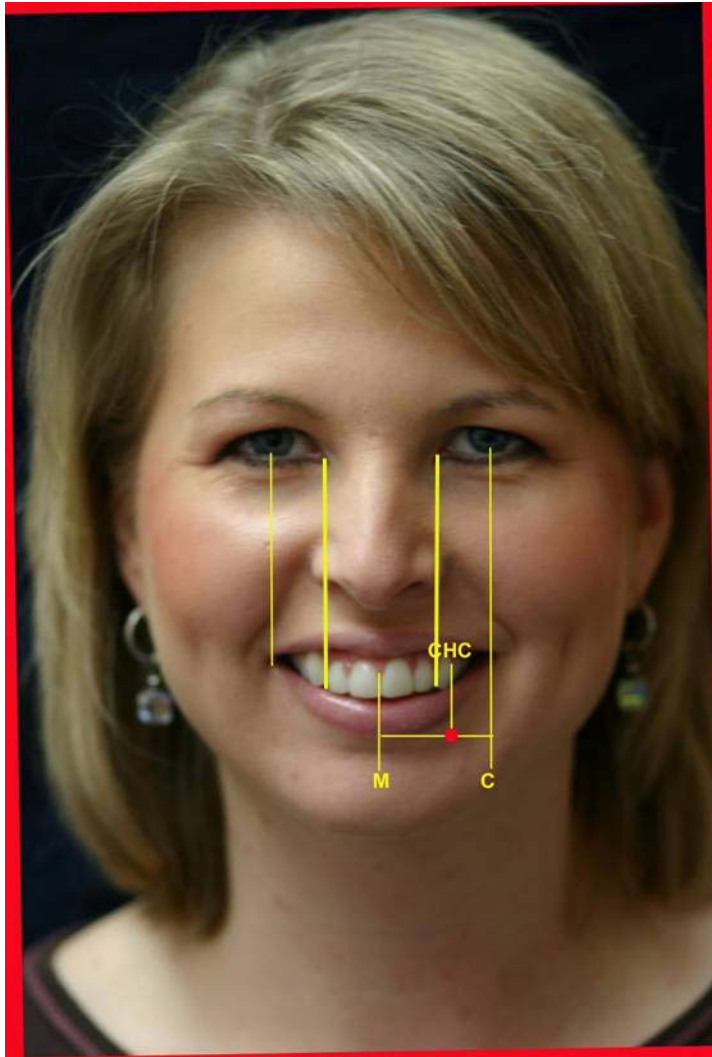
Measure from the midline / papilla to the tip of the Cuspid or The Inter ocular measurement
Check chart for central width to pick GP Plate®
Harmonic Smile Guide® Golden Proportion Guide Plane System
www.Spectrafire.com
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GP Plate	Central length	Midline to Cuspid	Bicuspid	Corner of smile	Intra Ocular Bisul of lateral to central of lateral)
7 mm	8.6 mm	16.5 mm	19.7 mm	26.6 mm	25 mm
7.5 mm	9.3 mm	17.25 mm	21 mm	28.2 mm	26 mm
8 mm	9.8 mm	18 mm	22.4 mm	30.7 mm	28 mm
8.5 mm	10.5 mm	20 mm	23.8 mm	32.3 mm	30 mm
9 mm	11.1 mm	21 mm	25.25 mm	33.9 mm	32 mm
9.5 mm	11.7 mm	22.5 mm	26.7 mm	36.4 mm	33.5 mm
10 mm	12.3 mm	23.7 mm	28 mm	38.3 mm	35 mm
10.5 mm	12.9 mm	25 mm	29.1 mm	40.4 mm	37 mm

Measure from the midline to the cuspid And Multiply by .618 take the result & add together with then midline to cuspid & you have the distance to the corner of the mouth Golden Proportion.
Example :
Midline to cuspid is 16.5 X .618 = 10.18 10.18 is the distance to the Golden Proportion corner of the mouth
Add 10.1 + 16.5 = 26.6 and you have the Golden Proportion width of the smile.
Multiple 26.1 x .618 = 16.5 the Golden mean point from Midline to corner of the mouth

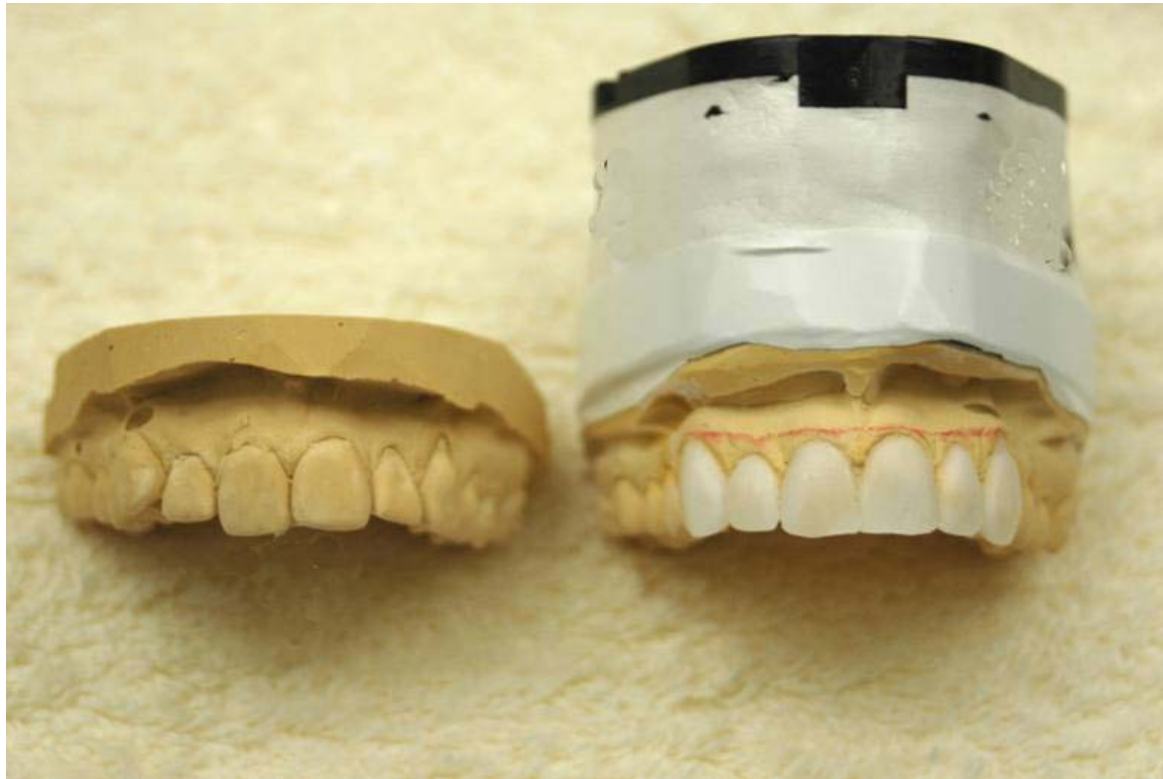


Human beauty is based on the harmony of facial landmarks within the Golden Proportion.



- The interior lines are drawn from the interocular crevasse, “I/O”, to the distal of the lateral.
- The exterior lines are drawn from the pupil to the corner of the mouth in full smile. Horizontally the distance is called the “P/D”, pupillary distance
- The horizontal line is drawn from the true midline to the corner of the mouth in full smile. The Golden Mean (0.618) should be a point on the line convergent with the cuspid height of contour.

When we are trying to optimize the anterior aesthetics There is NO substitute for starting with a custom white wax presentation !



This step will let all concerned know what the end result will be, and the doctor will be able to make a matrix of the wax up for the provisional restorations

The Aesthetic Protocol & Rx form on the next two pages, will help you organize all the items you need to achieve the best results.

Items necessary for consultation

Pre-op Upper & Lower cast –with bite

2 sets (double pour)

List basic changes Dr & patient want noted on

Rx to laboratory – tissue ,length etc.

**Interocular measurement (I/O)– midline (M) to cuspid (C)
height (H) of contour (C) and width of centrals distal to distal**

Need from laboratory

Mounted cosmetic wax up (on prepped models)

White wax diagnostic sheet with before & after measurements

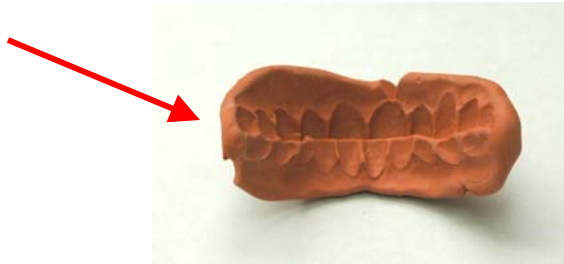
Items needed by ceramic technician

Before taking final impressions, take alginate impression & pour in fast set plaster to double check preps for unseen under cuts, sharp corners etc.

Full arch impressions of preparations & opposing arch

The original pre-op waxed models

Post operative cast of temps in place (or vinyl labial matrix impression)



Face bow or horizontal stick bite & vertical bite registration made with natural teeth closed in centric.

Rx with Harmonic measurements , shade etc.

Photographs of preps with shade guide

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Aesthetic Protocol Guide To Success

Necessary Photographs

Pre-op

Pre-op full face with natural smile

Teeth with cheek retractors,

Full face with cheek retractors

Select Guide Plane Plate

Pre-op photo of guide plane plate in mouth with cheek retractors



Items for Laboratory

Above pictures

Plus

Picture of preparations with shade guide
This is vital if there is discoloration.



The more information we get the better we can do

Study casts or measure & record width of current centrals and midline "M" to cuspid height of contour "CHC"

Then we can select the correct golden proportion guide plane



**The Esthetic Edge
Ceramic Studio**
2120 McDaniel Circle Plano, Texas 75075
972-758-1633 /
Jim cell 214-440-7084
Texas License 2516

Date Sent _____
Dr _____
Phone _____

Date Needed _____
NOT Appointment Date
Porcelain Fused to Metal

Patient _____
Shade _____

_____ PFM High Noble Gold
_____ PFM Porcelain Butt Margin
Circle one 180° / 360°
_____ Gold cast crown
_____ Precision Attachments

White Wax
_____ Centrals Width
_____ Inter Ocular
_____ Measurement
_____ Midline to Cuspid

ALL Porcelain
Layered Feldspathic
_____ Laminate / Jacket /
_____ Milled Zirconia
Lava, Procera, Cerec
_____ Custom Implant Abutment
Circle one Titanium / Zirconia

Dr. _____
Signature _____ License _____

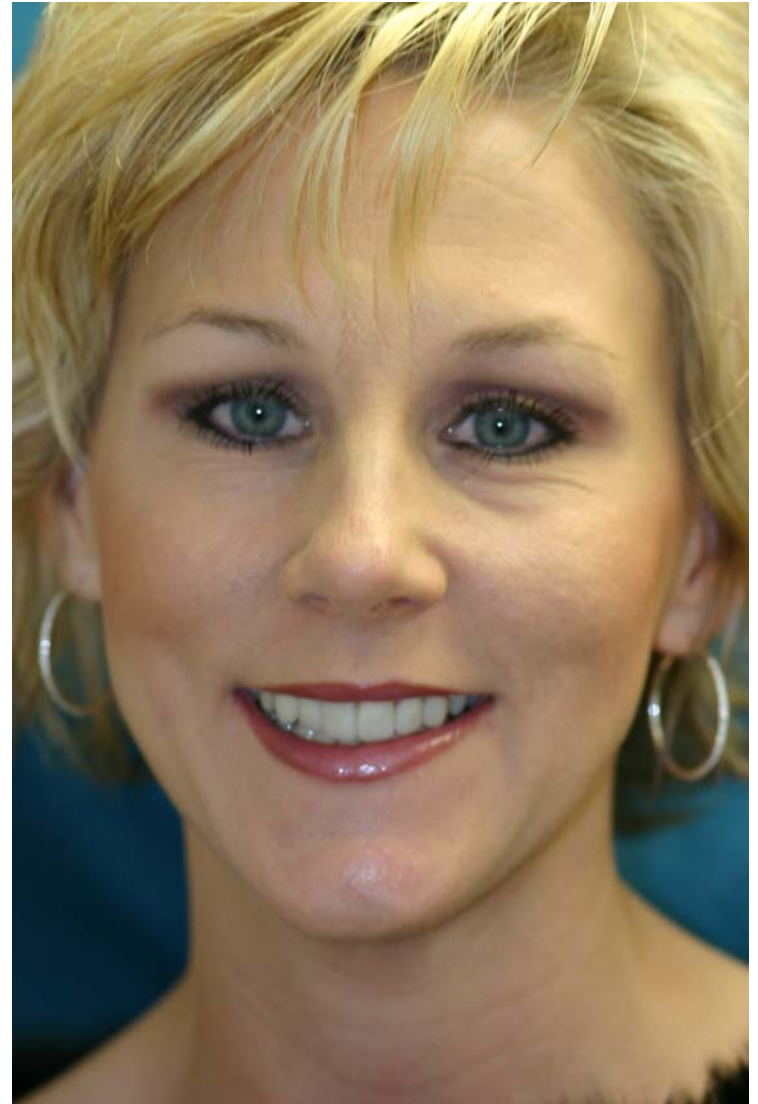
Cases Examples

- The Golden proportion Guide Plane enables us to complete the anterior aesthetics with out the time loss of constantly measuring individual teeth.

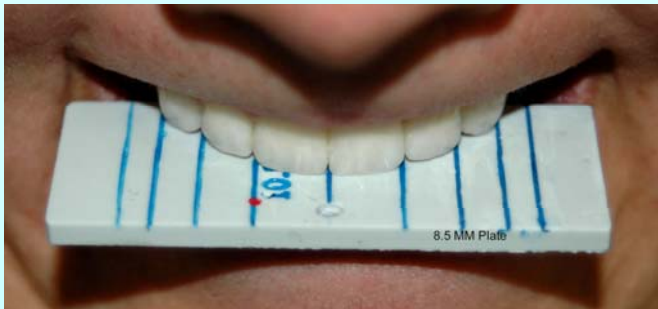
Before



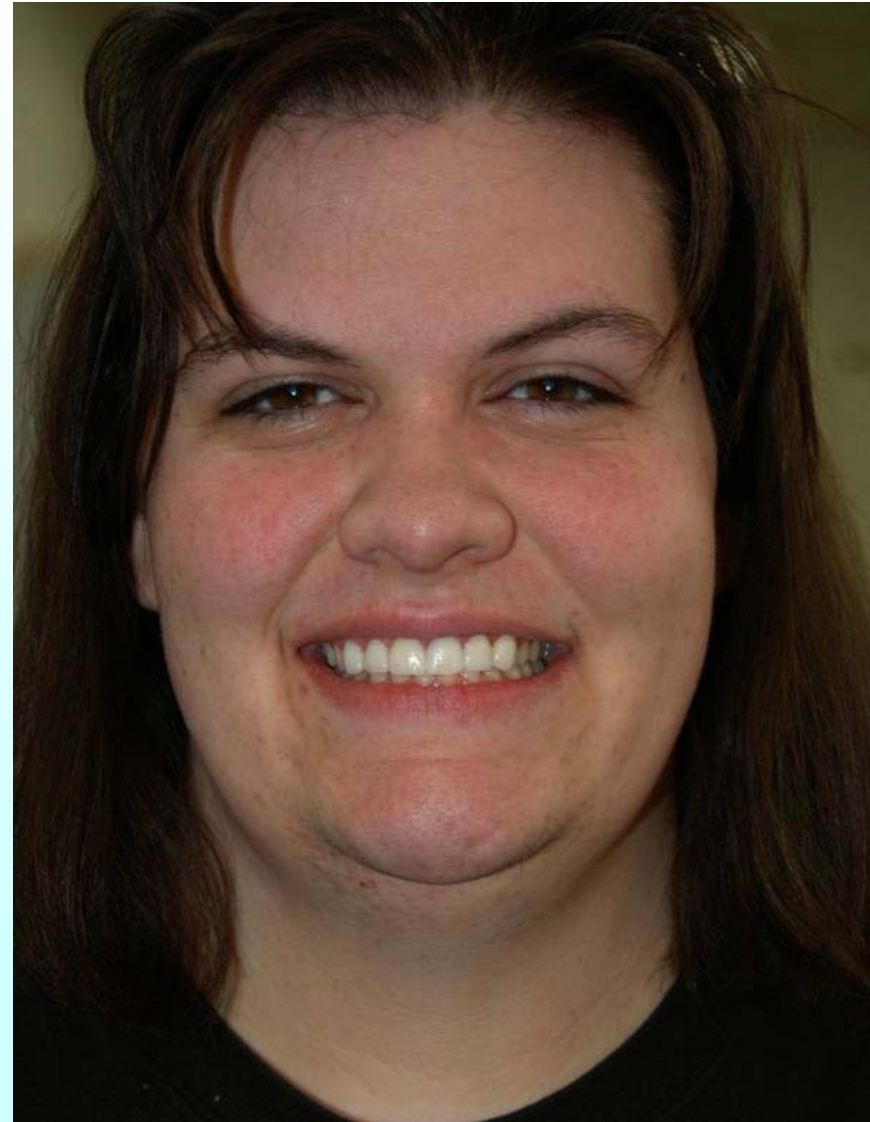
After 6 upper veneers



The Golden Proportion Guide Plane instantly confirms symmetry & proportion



Golden
Proportion
8 mm Guide
Plane Plate





You can have INSTANT orthodontics

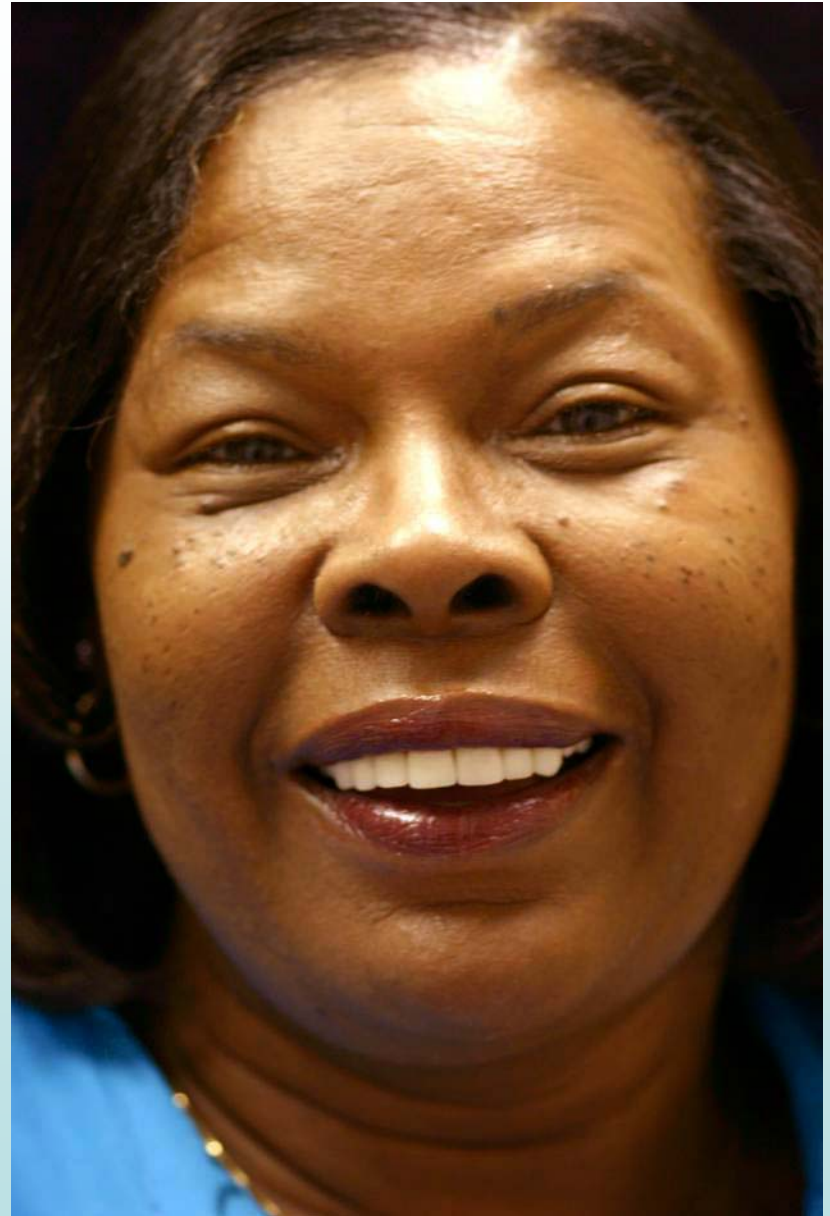


Six front teeth restored with veneers.



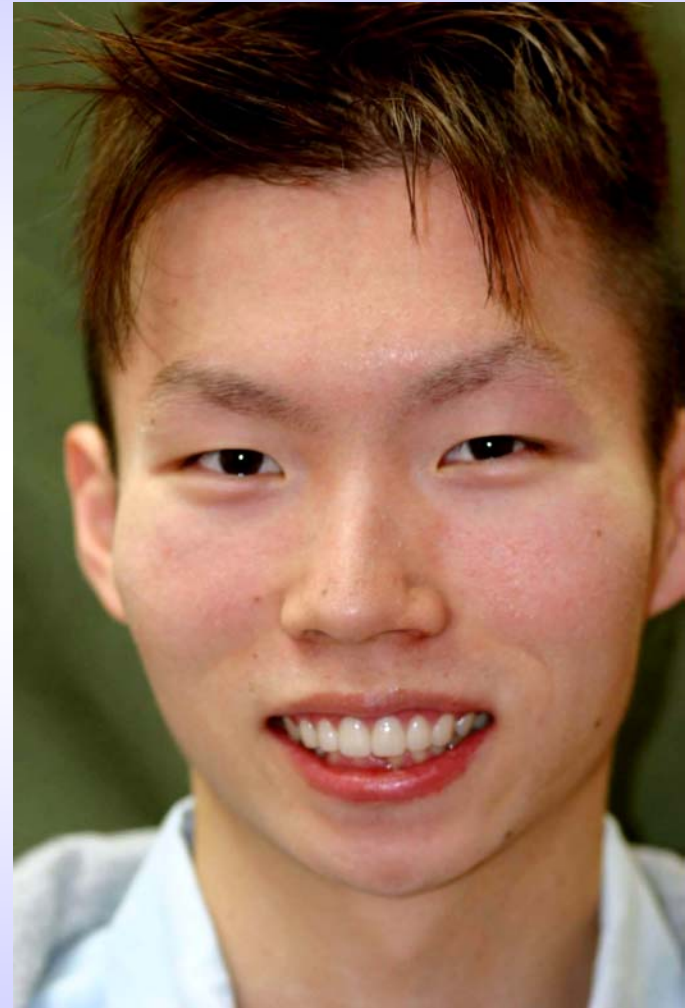


14 mm of diastemas,





6 upper laminates



Badly worn and discolored anteriors

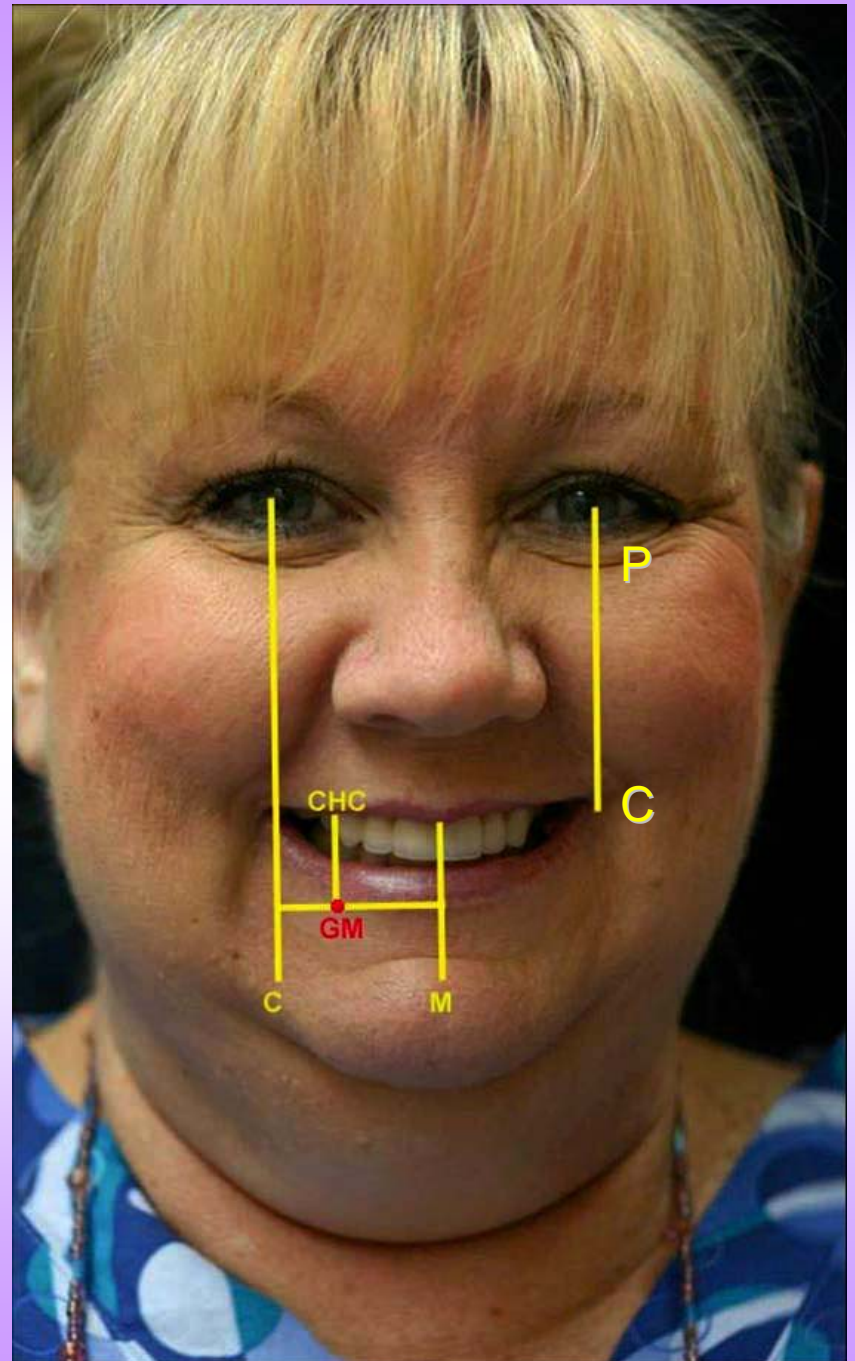


6 upper laminate veneers





Restored with 3 unit zirconia porcelain bridge and 3 porcelain laminate veneers. Red dot indicates golden mean & correct proportions.





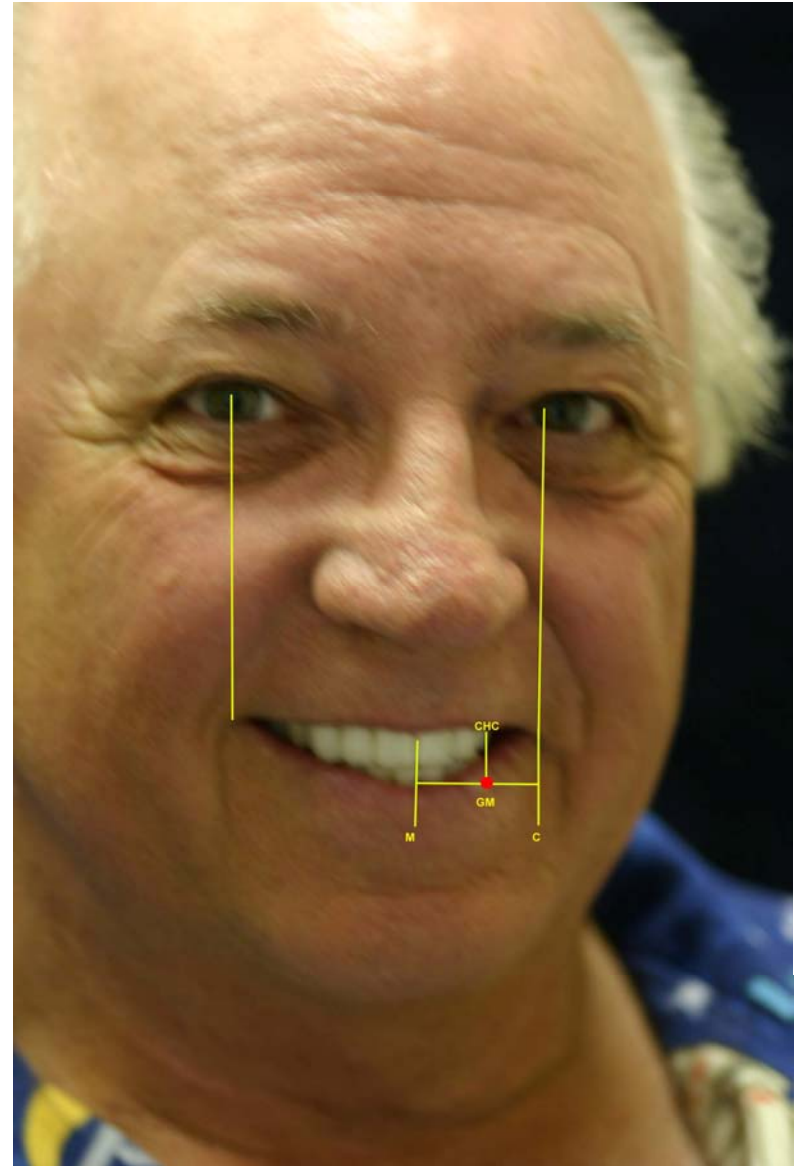
6 unit porcelain bonded to gold bridge



Midline to corner of mouth &
Golden mean correct to cuspid height of contour



A smile as big as Texas !

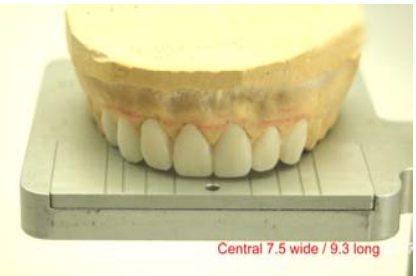


Using the Golden Proportion Guide Plane is as simple as 1-2-3

1- Take basic measurements from the mouth or study cast.

2- Refer to Harmonic Smile Guide© to make guide plate selection.

3- As you do each step process & when you are finished, verify your work with guide plates in the laboratory or directly in patients mouth.

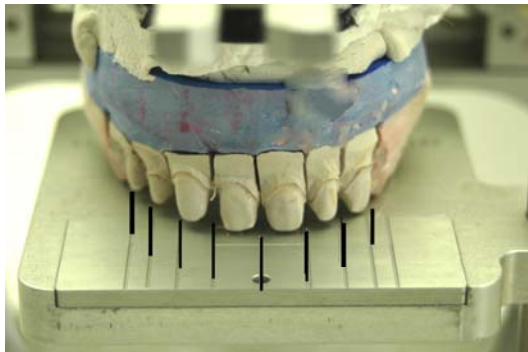


2

Measure from the midline / papilla to the tip of the Cuspid or The Inter ocular measurement
 Check chart for central width to pick GP Plate!®
 Harmonic Smile Guide® Golden Proportion Guide Plane System
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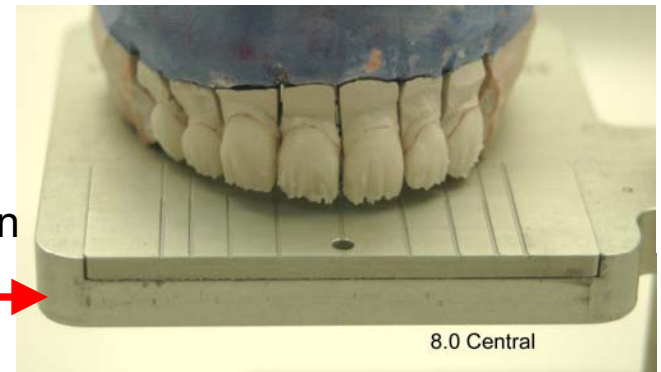
GP Plate	Central length	Midline to Cuspid	Bicuspid	Corner of smile	Intra Bicular (to 1st premolar)
7 mm	8.6 mm	16.5 mm	19.7 mm	26.6 mm	25 mm
7.5 mm	9.3 mm	17.25 mm	21 mm	28.2 mm	26 mm
8 mm	9.8 mm	18 mm	22.4 mm	28.7 mm	28 mm
8.5 mm	10.5 mm	20 mm	23.8 mm	32.3 mm	30 mm
9 mm	11.1 mm	21 mm	25.25 mm	33.9 mm	32 mm
9.5 mm	11.7 mm	22.5 mm	26.7 mm	36.4 mm	33.5 mm
10 mm	12.3 mm	23.7 mm	28 mm	38.3 mm	35 mm
10.5 mm	12.9 mm	25 mm	29.1 mm	40.4 mm	37 mm

Measure from the midline to the cuspid and Multiply by .618. Take the result & add together with the midline to cuspid & you have the distance to the center of the mouth Golden Proportion.
 Example: Midline to cuspid is 16.5 x .618 = 10.19 16.5 + 10.19 = 26.69 is the distance to the Golden Proportion center of the mouth.
 Add 10.19 + 16.5 = 26.69 and you have the Golden Proportion width all in the same.
 Multiple 26.1 x .618 = 16.5 the Golden mean point from Midline to center of the mouth.



Refractory model ready for ceramic build up.

Fired body porcelain ready for guide plate evaluation and finish of incisal porcelain buildup.



Measure from the midline / papilla to the tip of the Cuspid or The Inter ocular measurement
 Check chart for central width to pick GP Plate
Harmonic Smile Guide® Golden Proportion Guide Plane System
 www.Spectrafire.com
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GP Plate	Central length	Midline to Cuspid	Bicupid	Corner of smile	Intra Ocular Buccal of lateral to distal of lateral
7 mm	8.6 mm	16.5 mm	19.7 mm	24.8 mm	25 mm
7.5 mm	9.2 mm	17.25 mm	21 mm	25.2 mm	26 mm
8 mm	9.8 mm	18 mm	22.4 mm	26.7 mm	28 mm
8.5 mm	10.5 mm	20 mm	23.8 mm	27.2 mm	29 mm
9 mm	11.1 mm	21 mm	25.25 mm	33.8 mm	32 mm
9.5 mm	11.7 mm	22.5 mm	26.7 mm	34.4 mm	33.5 mm
10 mm	12.3 mm	23.7 mm	28 mm	38.3 mm	35 mm
10.5 mm	12.9 mm	25 mm	29.1 mm	44.4 mm	37 mm

Measure from the midline to the cuspid And Multiply by .618. Take the result & add together with their midline to cuspid & you have the distance to the corner of the mouth Golden Proportion
 Example: Midline to cuspid is 16.5 X .618 = 10.19 16.5 + 10.19 = 26.69 is the distance to the Golden Proportion corner of the mouth.
 Add 18.1 = 18.5 = 26.6 + 18.5 = 45.1 and you have the Golden Proportion width of the smile.
 Multiple 26.1 x .618 = 16.5 the Golden mean point from Midline to corner of the mouth

Harmonic
 Smile Guide
 included in all
 kits & CD

Spectrafire Dental

2120 McDaniel Circle
 Plano, Texas

972-758-1633 / 214-440-7084 Jim Cell
 www.Spectrafire.com

Master Kit \$229.00



Packaged in wooden case ,1- Mounting foot for magnetic mounting ,1-mounting foot to fit under articulator, 8- guide plates, 1- Harmonic Smile Guide, 1-platform to hold Guide plates with 1-vertical support rod, 1-vertical alignment center pin, 1-Instructional CD, 1-Digital caliper

Item GPM KIT\$229.00
 Without Digital Caliper..\$199.00

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Basic Plate Kit



Packed in wooden case
 1- Harmonic Smile Guide,
 8 Guide plates &
 1-instructional CD

With digital caliper (shown)
 Item # GP8\$85.00
 Item GP8+C\$115.00
 With digital caliper

US Pat. Applied for.

Full Course CD..... \$45.00



Courses available
 in your laboratory
 in or our Plano, Tx
 Office.

Prices subject to change without notice