mBrace Frisco Orthodontics Adopts New 3D Technology to Fit Orthodontic Devices

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mBrace Frisco Orthodontics, based in Frisco, Texas, has unveiled through a blog post how they are using state of the art technology that does away with old analog processes for fitting orthodontic devices and moves to a totally digital process involving 3D scanning of the mouth and 3D printing of impressions. This eliminates the need for the U-shaped bite mold, which has been one of the more unpleasant steps in the orthodontics process for decades. In fact, patients often experience gagging because of the bite mold and having to get rid of the chunks of hardened resin out of their month and off their chin after the mold has hardened and has been removed from the mouth.

With Dental 3D printing, patients can now avoid the discomfort and inconvenience of the bite mold. Now, at mBrace Frisco Orthodontists, people who need a retainer, clear aligners, an indirect bonding tray, or any other custom dental appliance, will simply need to have a full-mouth scan, which creates a ?picture? of the patient?s teeth. Once this image file has been created, this is loaded into the 3D printer software. They make use of a Digital Light Processing (DLP) printer, which utilizes a biocompatible and safe resin to create 3D models of the patient?s teeth with high speed and accuracy. This translates to much less waiting time for the patient.

After the 3D model has been printed, it will undergo a series of post-processing steps to clean and cure the resin. These models can actually be used several times to make custom-fit orthodontic appliances for the patient. With this, there would be minimal wait time from the acquisition of the 3D image to the production of the final orthodontic product.

Braces and other orthodontic appliances may be recommended by an orthodontist to enhance the orofacial appearance of a patient, through the improvement of the growth and development of the jaws. Proper orthodontic treatment may be used to correct issues like underbites or overbites, crooked or crowded teeth, and incorrect jaw positions. Such problems should not be left untreated because they can result into tooth

decay, gum disease, chewing or biting issues, earaches and headaches, and even difficulty speaking.

In applying the latest in orthodontics, mBrace Frisco Orthodontics offers various kinds of braces. These include metal braces, WildSmiles braces, clear (ceramic) braces, and Invisalign. Metal braces have been used for more than 100 years to straighten teeth but the modern ones are less noticeable, smaller, and more comfortable. It is now even possible to choose the colors of the rainbow for the braces, allowing patients to add their own personal color choices.

WildSmiles Braces allow patients to choose from a wide range of fun shapes, including hearts, stars, flowers, football, sports balls, and super-diamonds for their front teeth. Ceramic braces are for patients who want their braces to be hardly noticeable. It is a great option for models, actors, and for people who speak in public. Invisalign makes use of a series of clear trays, which are known as aligners and are created through computer simulation. Dr. Shireen Irani will make use of the virtual model of a patient?s teeth to design a series of trays for that particular patient. These series of trays are designed to comfortably and gradually move the teeth in a short period of time.

Meanwhile, in view of the COVID-19 situation, mBrace Frisco Orthodontics uses technology for virtual visits to keep people safe and healthy. Patients are encouraged to take photos of their teeth. Instructions are provided on how to take these photos. The patient then sends the photos to them by email or text. Dr. Shireen will review the photos and a team member will later get in touch with patient to provide instructions on the next steps to take.

Those who are interested in learning more about the new 3D printing technology being used by mBrace Frisco Orthodontics may want to check out their website, or contact them on the telephone or via email. They may also want to take a look at a related press release for mBrace Frisco Orthodontics.
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mBrace Frisco Orthodontics

mBrace Frisco Orthodontics is a top rated North Texas provider of braces and Invisalign.

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