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Frequently Asked Questions

The Whip Mix ProPress SP Furnace

Q. What makes the SP different from other pressing furnaces?

A. The ProPress SP Furnace offers a new level of true pressing control. A unique component monitors the flow of the glass and senses the movement of the ceramic into the ring in real time from start to finish. When the mold is filled, the table is lowered as quickly as possible. This faster press not only saves time, but prevents/minimizes the formation of the reaction layer, so often seen with other press systems.

Q. What is the crack feature and how does it work?

A. This unique furnace is simply able to successfully press all but the most severe split (cracked) molds. If you see hairline cracks or splits in the mold after it comes out of the burnout oven, you may elect to do the pressing with reduced pressure to avoid splitting the mold wide open. You would roll the Selector Knob until you see "Split Ring Reduced Pressure Yes", then press the Next button to raise the table. The software will automatically add 1 minute to the Max Press Time (backup time) as it will take slightly longer to press with reduced pressure. This would typically be 25-30% more time, but the good news is that there is no re-wax time.

The furnace will handle everything from this point forward. The Rate Rise and Hold Time/Temperature segments will execute, then when the Hold Time expires, the SP Press will monitor the pressure in the mold, when the pressure stops decreasing, the glass has filled the mold, and after a few seconds extra to insure the fine details have formed, the pressing will terminate automatically, well before the programmed Max Press Time (backup time) is reached.

Q. Can the ProPress SP be used to fire all of my porcelains?

A. Yes. This furnace has all of the capabilities of the ProPress 200 and Pro 200 Furnaces *PLUS* the Sense Press feature. It can press any pressable ceramic and fire any veneering porcelain. The only thing this furnace cannot do is fire your titanium porcelain using Argon gas (a unique feature of the Pro 200 furnace).

Q. How does the ProPress SP furnace prevent or limit the formation of a Reaction layer?

A. Reaction layers are generally formed due to the length of time the porcelain is in the heating chamber. A shorter pressing time means that the reaction layer will probably not have the time to form. The ProPress SP has a much shorter pressing period than the other furnaces.

Q. I own several ProPress 200 Furnaces. Can they be retrofitted with the SP components?

A. Yes they can, however the retrofit must be done at Whip Mix.

Q. Can I use the ProPress SP Furnace for my eMax Press? What about the eMax CAD (blue block)?

A. Yes you can! Many of our furnace customers have been pressing eMax successfully for years. It's even better with the SP because the pressing phase is very fast – much faster than even the Ivoclar press furnaces. That also means the likelihood of pressed units that have a reaction layer is extremely low! In addition, the ProPress furnaces all have a one or two stage firing program so that there is no problem using the 2-stage crystallization process that Ivoclar recommends for their eMax CAD restorations.

Q. Some Manufacturer's say that only their furnaces will press their glass, are you sure your's will do as good a job?

A. Yes, we're very sure, but don't take our word for it, we have lots of customers that would be glad to tell you the same thing. They're pressing everyone's pressable ceramics and doing it for far less! Visit www.whipmix.com to see lots of testimonial quotes from very content ProPress furnace owners.

Q. Other furnaces come 'pre-programmed' for the right firing parameters, does the ProPress SP come pre-programmed for my ceramics?

A. Yes it does. All of the eMax Press and eMax CAD firing/crystallization programs are preprogrammed into the furnace itself. Lots of other veneering porcelain firing programs are burned onto the Master Suite software which accompanies the furnace.

Q. What kind of support can I expect from Whip Mix on this furnace?

A. Whip Mix has been known for its customer-centric support policies for many years. We have a very responsive technical support team that consist of highly trained and experienced dental technicians who are intimately familiar with not only all of the Whip Mix products, but with most other products and techniques.