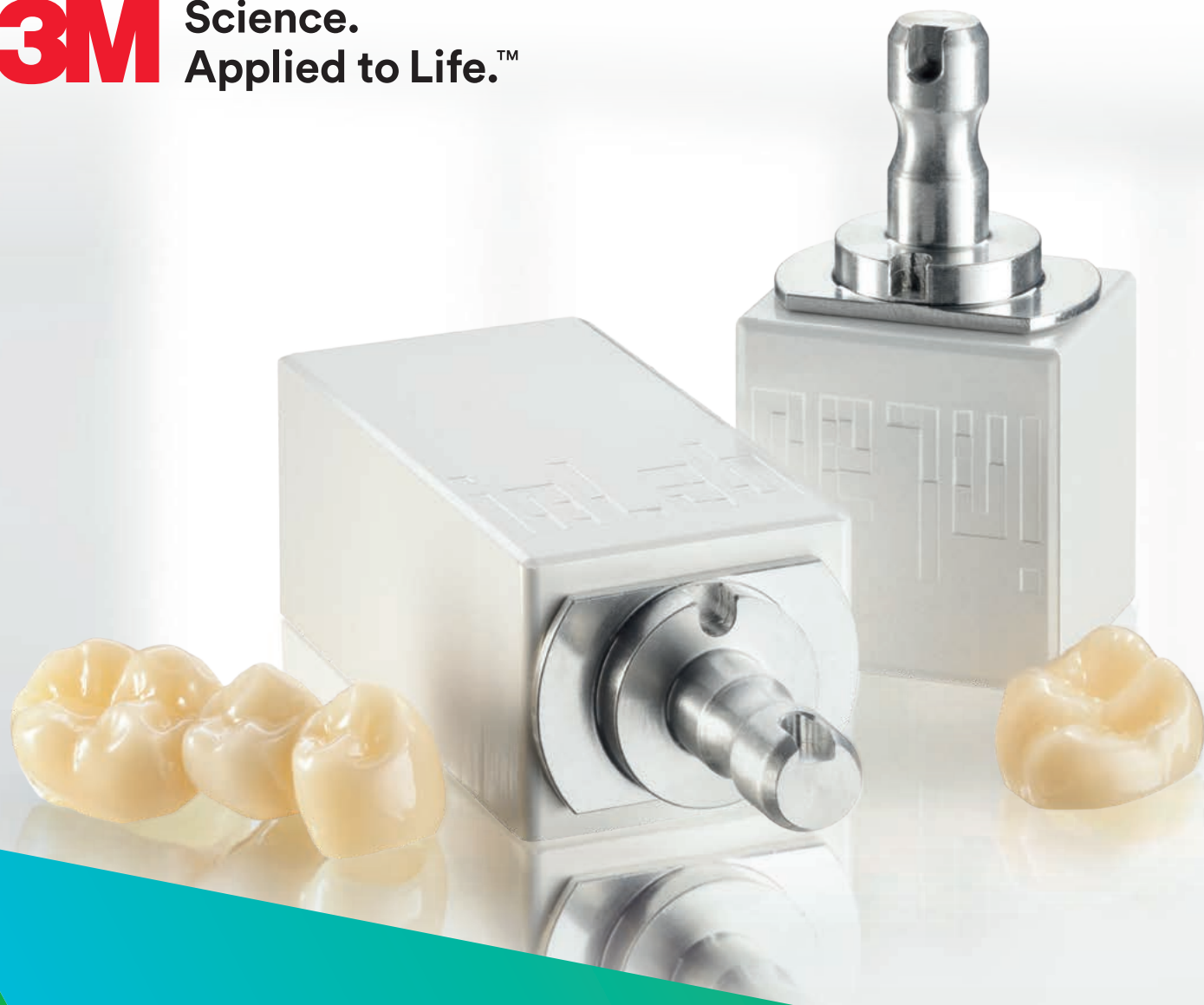




How to load
3M™ Chairside Zirconia
sinter programs into
the Ivoclar Vivadent
Programat® CS4 furnace

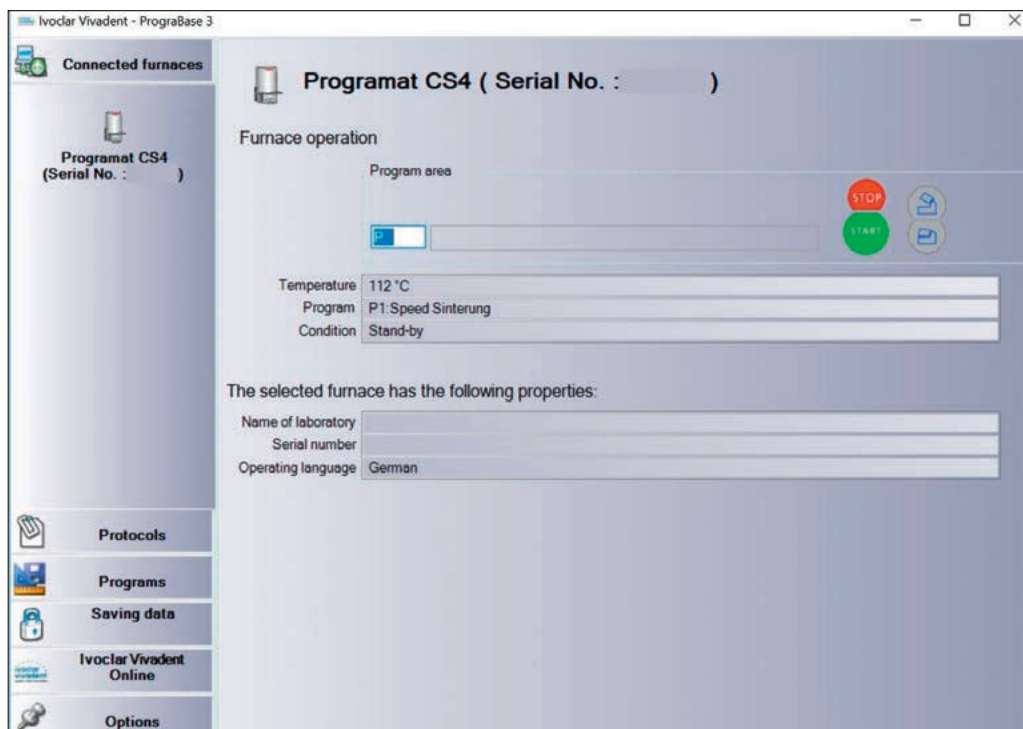


1. Follow the Ivoclar Vivadent instructions on how to install the PrograBase3 program and how to connect a PC with the PrograBase3 program to the Programat® CS4 furnace

2. Following 3M™ Chairside Zirconia sinter programs are available

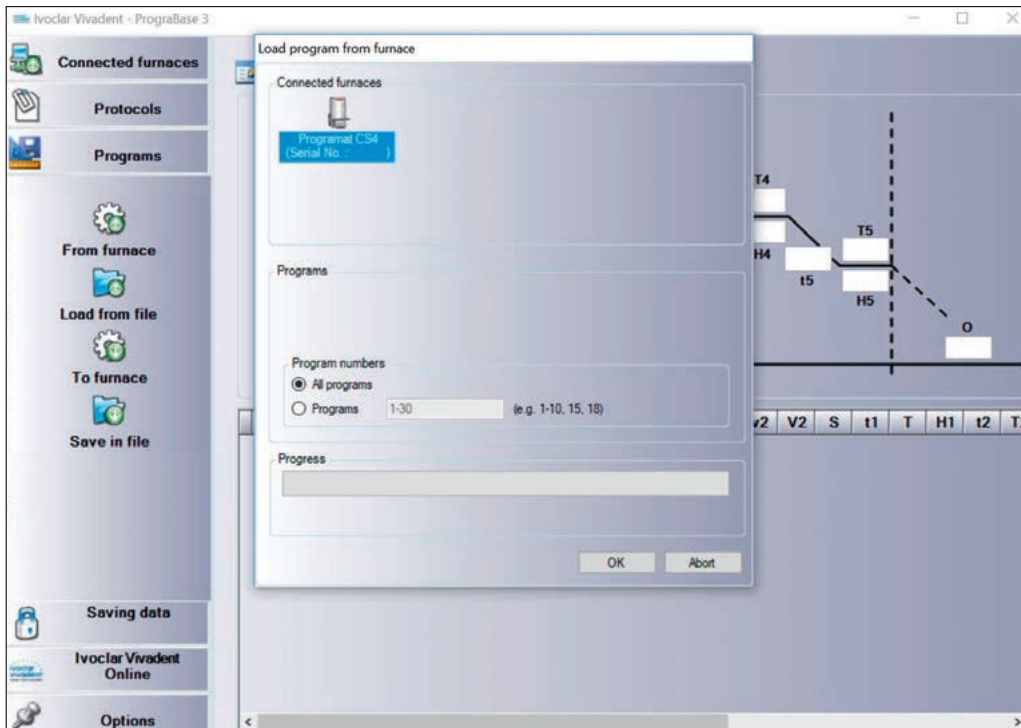
- Crown fast sintering program: fast program to sinter single dried crown
- Crown dry + fast sintering program: same as above, but with preceding dry program for wet milled crowns
- Crown + Bridge sintering program: sinter program for crowns and bridges
- Crown + Bridge dry + sintering program: same as above, but with preceding dry program for wet milled crowns or bridges

3. Start the Ivoclar Vivadent PrograBase3 program and select furnace (only CS4 supported)

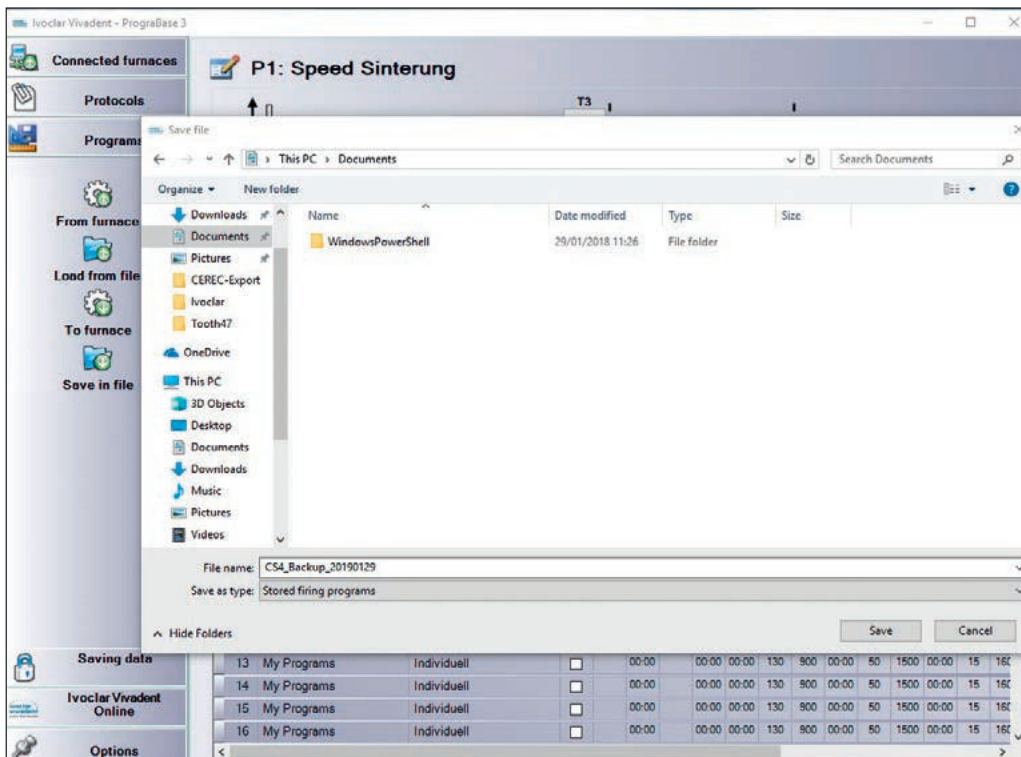


Attention: All values displayed in the screen pictures are in °Celsius. Your furnace may be set to °Fahrenheit and show different values.

4. Load programs from furnace and select “All programs”

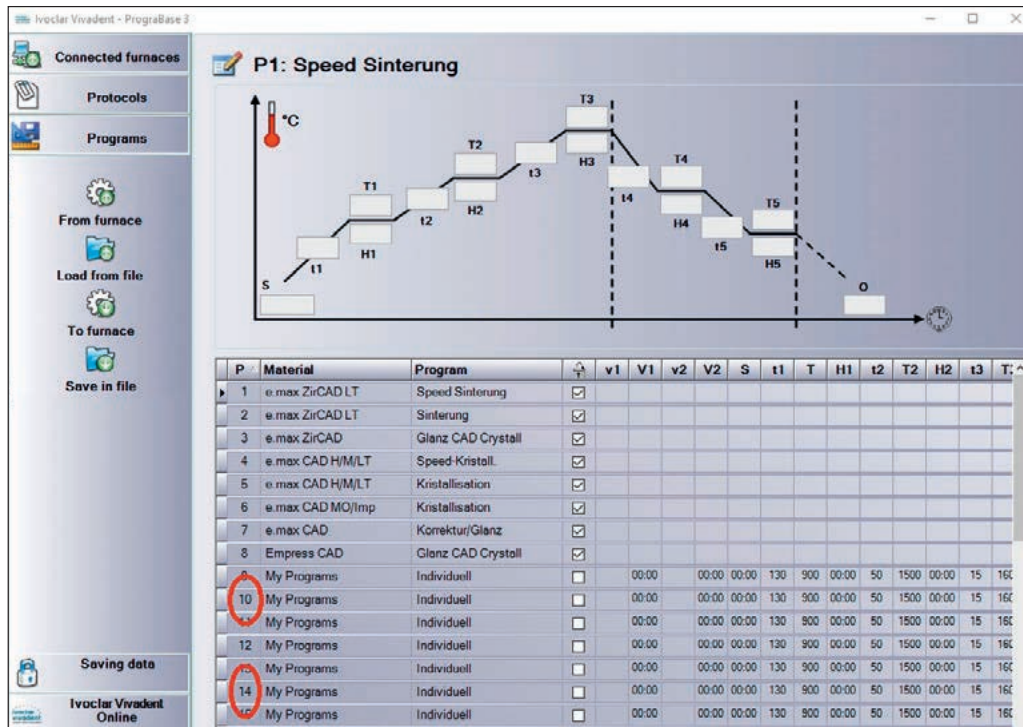


5. As a precaution, save all programs into a backup file

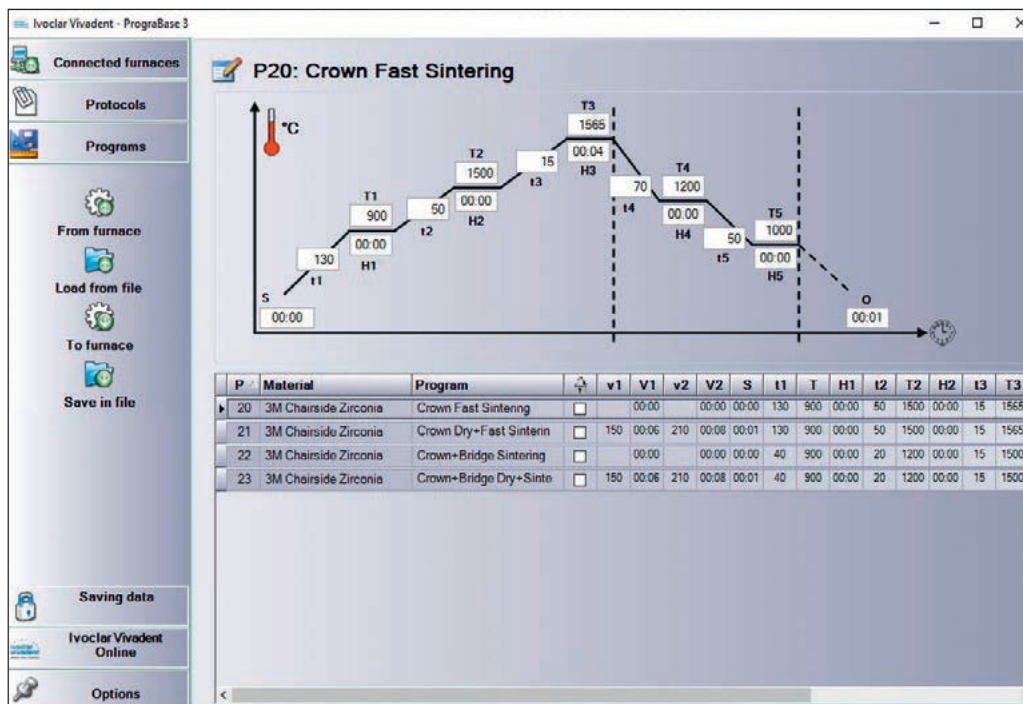


Attention: All values displayed in the screen pictures are in °Celsius. Your furnace may be set to °Fahrenheit and show different values.

6. In this example two programs are to be copied.
Notice which two program slots are free. Example: Slot 10 and 14



7. Load 3M sinter program file “3MCS4Zirconia.prog”*

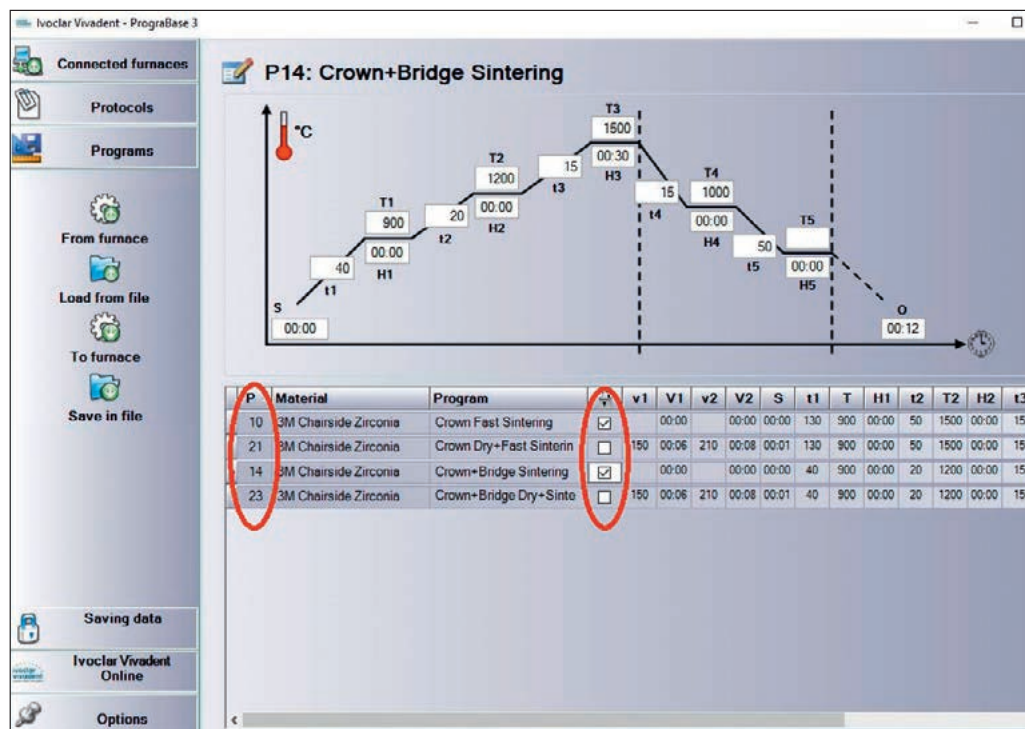


*This file can be downloaded from the website <http://go.3m.com/chairsidezirconia>. Select “Resources” from left navigation. Under “3D Models”, click on “3M™ Chairside Zirconia CS4 Program Files” link to download.

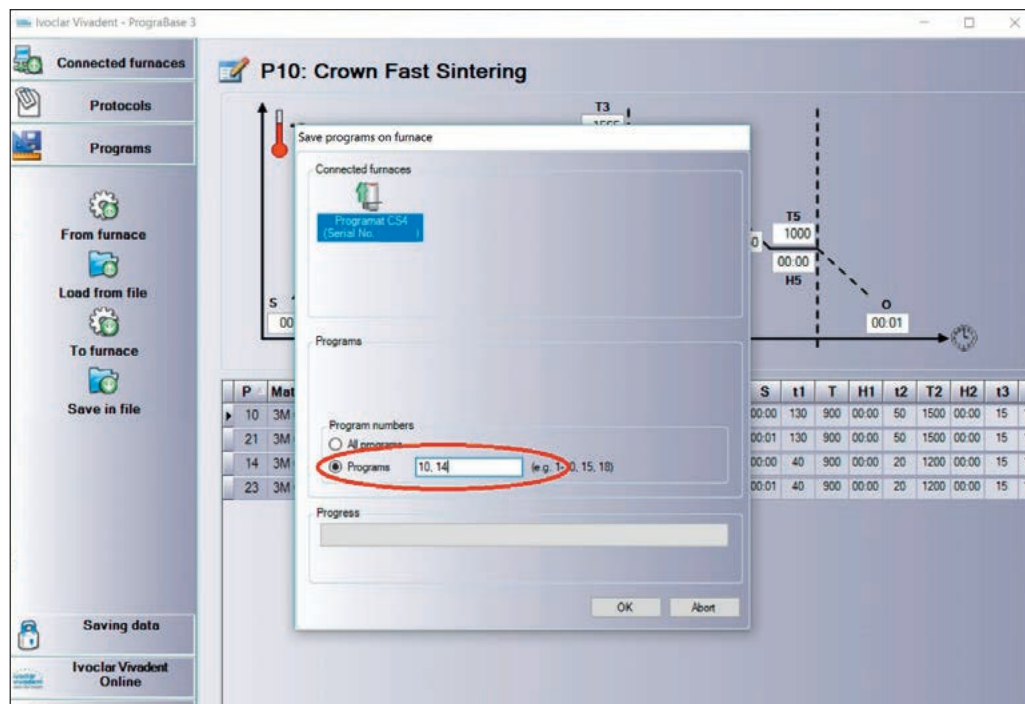
Attention: All values displayed in the screen pictures are in °Celsius. Your furnace may be set to °Fahrenheit and show different values.

8. Adjust program slot number to free slot. Example → 10 and 14

If required, enable “Write Protection on furnace” to prohibit later overwrites

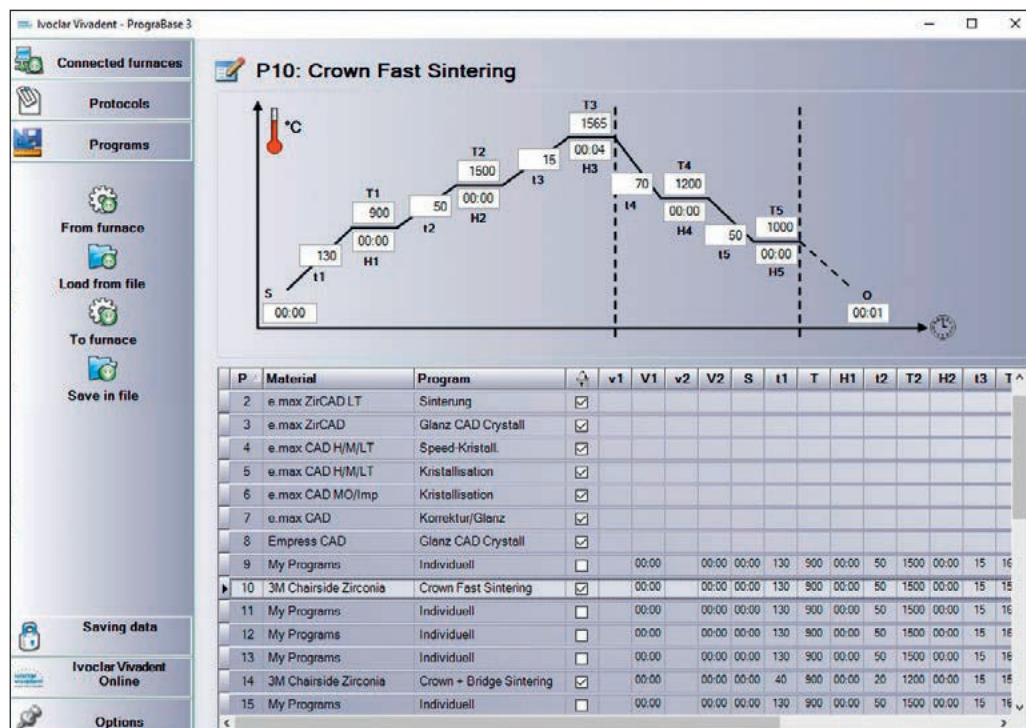


9. Save programs to furnace. In the Programs field, enter the program number to save to furnace, e.g. 10, 14 (Or if only one program is desired, just this single program number to save)



Attention: All values displayed in the screen pictures are in °Celsius. Your furnace may be set to °Fahrenheit and show different values.

10. Reload from furnace to verify that 3M programs are stored in the correct slot



Attention: All values displayed in the screen pictures are in °Celsius. Your furnace may be set to °Fahrenheit and show different values.

11. If an error occurs, restore original state by reloading backup file and save to furnace

Programat® CS4 Programming Step Details

Temperature Values in °Fahrenheit / °Celsius

P	Material	Program	Write Protect	v1	V1	v2	V2	S	t1	T1	H1	t2	T2	H2	t3	T3	H3	t4	T4	H4	t5	T5	H5	O
20	3M Chairside Zirconia	Crown Fast Sintering	☐	0°F	00:00	0°F	00:00	00:00	234°F	1652°F	00:00	90°F	2732°F	00:00	27°F	2849°F	00:04	126°F	2192°F	00:00	90°F	1832°F	00:00	00:01
				0°C	00:00	0°C	00:00	00:00	130°C	900°C	00:00	50°C	1500°C	00:00	15°C	1565°C	00:04	70°C	1200°C	00:00	50°C	1000°C	00:00	00:01
21	3M Chairside Zirconia	Crown Dry+ Fast Sintering	☐	302°F	00:06	410°F	00:08	00:01	234°F	1652°F	00:00	90°F	2732°F	00:00	27°F	2849°F	00:04	126°F	2192°F	00:00	90°F	1832°F	00:00	00:01
				150°C	00:06	210°C	00:08	00:01	130°C	900°C	00:00	50°C	1500°C	00:00	15°C	1565°C	00:04	70°C	1200°C	00:00	50°C	1000°C	00:00	00:01
22	3M Chairside Zirconia	Crown+ Bridge Sintering	☐	0°F	00:00	0°F	00:00	00:00	72°F	1652°F	00:00	36°F	2192°F	00:00	27°F	2732°F	00:30	27°F	1832°F	00:00	90°F	0°F	00:00	00:12
				0°C	00:00	0°C	00:00	00:00	40°C	900°C	00:00	20°C	1200°C	00:00	15°C	1500°C	00:30	15°C	1000°C	00:00	50°C	0°C	00:00	00:12
23	3M Chairside Zirconia	Crown+ Bridge Dry+ Sintering	☐	302°F	00:06	410°F	00:08	00:01	72°F	1652°F	00:00	36°F	2192°F	00:00	27°F	2732°F	00:30	27°F	1832°F	00:00	90°F	0°F	00:00	00:12
				150°C	00:06	210°C	00:08	00:01	40°C	900°C	00:00	20°C	1200°C	00:00	15°C	1500°C	00:30	15°C	1000°C	00:00	50°C	0°C	00:00	00:12

Please consult the Programat® CS4 furnace documentation for additional handling information.



3M Oral Care
2510 Conway Avenue
St. Paul, MN 55144-1000
USA
1-800-634-2249

3M Canada
Post Office Box 5757
London, Ontario N6A 4T1
Canada
1-888-363-3685

3M is a trademark of 3M Company or 3M Deutschland GmbH. Used under license in Canada. All other trademarks are owned by other companies.
© 3M 2019. All rights reserved.