

Catapult Education Executive Report
Premier X5 Sectional Matrix System
Premier Dental Product Company

Premier Dental Product Company asked Catapult Education to evaluate and provide feedback for the, “Premier X5 Sectional Matrix System.” 21 Catapult Doctors (clinicians/evaluators), participated in the evaluation. 100% of the evaluators currently use sectional matrix bands for class II’s. 42% use Composi-Tight 3D XR by Garrison; 32% use Triodent V3 Ring by Ultradent; and 26% use Palodent Plus by Dentsply Sirona. Many of the evaluators responded they use multiple systems, depending on the procedure.

The evaluators were asked if they routinely achieve good Class II contacts with their existing system? 75% responded yes and 25% responded 50-75% of the time. Of the 25% that responded 50-75% of the time, they stated wide contacts, large inter-proximal spaces, contacts next to implants, and certain tooth shapes are all challenging situations that makes it difficult to get a good contact a 100% of the time. The clinicians were asked if they could close wide-open embrasures to naturally contoured contacts, with their present system? 86% answered, “Yes.” Of the 14% that answered, “No,” the response was, “Depending on the situation they will use a variety of systems.” i.e. a system with wider bands and matrix rings that do not infringe on the contact. “If the embrasure is too wide, I would go to an indirect restoration to close the contact and support,” was an additional response.

With the introduction of a new matrix system, to an existing market that has many matrix systems to choose from, Premier Dental Company, has set itself apart from other systems with the introduction of the, “X5” Matrix Ring. Premier’s X factor is a universal ring made from a proprietary resin material that’s autoclavable up to 5 times. This is a new concept of disposing a sectional matrix ring after 5 autoclaves, made of a resin. As stated by Premier, “The Premier X5 ring has exceptional strength for optimal separation force and stability to deliver perfect, tight interproximal contacts.” With 3 different size wedges to choose from, small (small), medium (green), and large (blue). 4 different size anatomically shaped matrices which allow for proper contouring and tight contacts: 3.5mm, 4.5mm, 5.5mm and 6.5mm.

With easy-to-follow instructions (100% of the clinicians agree), the Intro Kit contains 5-component sectional matrix system to achieve accurate Class II composite restorations with smooth contour and consistent

interproximal contacts. The components are: X5 matrix rings, matrix pin holder, matrix ring forceps, wedges, and matrices.

Setting up the system for Class II restorations (placing the matrix, wedges, and rings in the mouth), 100% of the Catapult Doctors, stated the X5 system is equal to other systems, as they are used to this type of system.

A key component of a sectional matrix system is the opening forces of the ring when placing it interproximal. This allows for excellent contacts and proper anatomical contours. 58% of the clinicians responded very easy to somewhat easy when asked to evaluate the opening force of the X5 ring. 42% responded acceptable with concerns of the ring infringing on wide open contacts. Thus, multiple sizes and anatomical contours of the metal matrices give the clinician choices, depending on the clinical situation. 91% of the evaluators were able to achieve an interproximal contact in the positions they intended, (bucco-lingual and inciso-gingival dimension) using the X5 system.

The clinicians were asked, "Did you feel you could use this (X5 system), to achieve more difficult contacts versus traditional sectional matrix bands?" 65% answered, "No." When asked to comment why they answered no, the leading response was the rings were the problem and not the matrices or wedges. Multiple clinicians answered, "No one system in my experience works 100 % of the time."

The wedges received an extremely excellent to good evaluation, 90%. Referring to an anatomic contour and ease of use. Notably the clinicians stated especially the small (yellow) wedges and perhaps Premier may want to consider adding one wider wedge. 100% of the clinicians rated the X5 matrices: 29% excellent, 57% good, and 14% acceptable. The excellent and good responses stated the anatomic contours provided excellent contours and contacts. With a couple acceptable responses stating, "Very large and wide."

95% of the clinicians responding they achieved a quality contact using the the Premier X5 Sectional Matrix System.

81% responded the X5 System was equivalent to their existing system. The comments as to why the clinicians felt the X5 System was less effective were:

"Hard to use on mesial and distal box on the same tooth"

"Loss of separation force within the 5 use increments"

"Ring slides off some teeth when placed"

"Bands could be more contoured"

"Keeping track of use"

“Difficult to get the matrices below gingival margin, the tab prevents a deeper placement at times”

The clinicians were asked, “What would you improve in the X5 System?”

The responses were:

“System for tracking the autoclaving”

“Ring needs to have better grip for better adaptation”

“Reduce size of ring, notably height”

“Interproximal embrasure tightness of the area for better adaptation”

“On a very conservative prep, very difficult for the bands to go past the gingival margin”

“Rings were difficult to open”

“Matrices for extra wide interproximal contact space that wrap little on the buccal and lingual”

The biggest challenge of the X5 System for the Catapult Doctors was the tracking the number of times the ring was used. Many of the doctors wrote the number on the sterilization bag. Many said they did not track at all.

With the introduction of a well-designed concept, resin matrix ring system, Premier caught the attention of the evaluators with 86% stating possibly to very likely to integrate the Premier X5 Sectional Matrix System into their clinical armamentarium. And thus, integrating into their educational presentations as Catapult Speakers. Complimentary comments were: “The price is excellent per procedure.” “I like the disposability as the way that I bond, I get the metal rings full of bonded resin, so after a while the metal ones look terrible.” Having more rings is the key to most systems.” The advantage of Premier X5 System allows for obtaining more rings at a low cost with the same performance.

The high rankings in the different categories and applications, the Catapult Doctors evaluated, the Premier X5 Sectional Matrix, compatible with other system wedges and matrices, is a great addition to the clinicians existing matrix systems. Giving them more options in different clinical situations. Easy to use, affordable rings per use, anatomically shaped matrices designed for proper contouring and establishing tight interproximal contacts.

Catapult Education takes the opportunity to review and evaluate products very seriously. Based on the positive responses from our evaluators, we are pleased to provide a “Catapult Vote of Confidence” for Premier X5 Sectional Matrix System. This explains

why the majority of the evaluators would immediately integrate the Premier X5 Sectional Matrix System into their clinical armamentarium. Congratulations to Premier Dental Company in the development of the X5 Sectional Matrix System as a great product, as a great addition to a crucial part of dentistry.

Respectfully,

Arthur (Tony) Tomaro

Arthur Tomaro, DDS



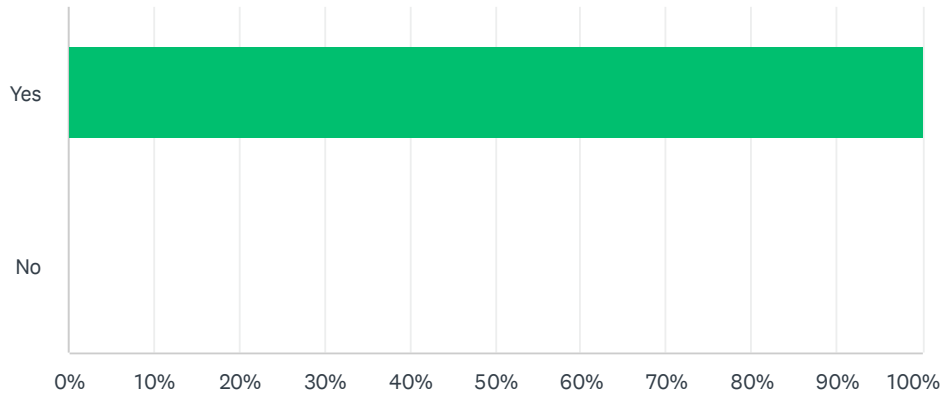
Q1 Please note your name for tracking purposes.

Answered: 21 Skipped: 0

#	RESPONSES	DATE
1	Sam Halabo	11/8/2021 11:30 AM
2	Joyce B	11/3/2021 10:11 AM
3	sonny spera	11/2/2021 9:24 AM
4	Tom Dudney	11/1/2021 6:46 PM
5	Daniel H Ward DDS	11/1/2021 5:42 PM
6	Miles Cone	11/1/2021 11:42 AM
7	Robert Lowe	11/1/2021 10:46 AM
8	kam	11/1/2021 10:11 AM
9	Mark Malterud	11/1/2021 10:02 AM
10	Ankur Gupta	11/1/2021 7:52 AM
11	Doug Lambert	10/31/2021 3:47 PM
12	Todd whitlock	10/30/2021 2:34 PM
13	Arthur(Tony) Tomaro	10/29/2021 5:50 PM
14	Peter Auster	10/29/2021 4:06 PM
15	Rachel Malterud	10/29/2021 2:25 PM
16	Foroud Hakim	10/29/2021 11:27 AM
17	Chad Wagener DDS MAGD	10/29/2021 11:03 AM
18	Todd Snyder	10/29/2021 10:17 AM
19	Timothy Bizga	10/29/2021 10:00 AM
20	Gordon	10/29/2021 9:39 AM
21	Richard Lipscomb	10/29/2021 9:22 AM

Q2 Do you currently use sectional matrix bands for class II's?

Answered: 21 Skipped: 0

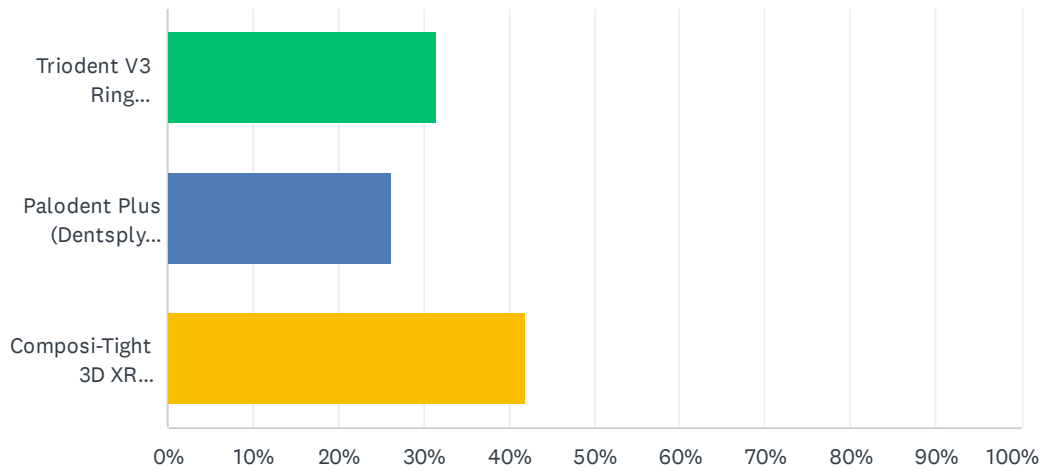


ANSWER CHOICES	RESPONSES	
Yes	100.00%	21
No	0.00%	0
TOTAL		21

#	IF NO, PLEASE DESCRIBE YOUR SYSTEM?	DATE
1	Triodent matrix system	11/8/2021 11:30 AM
2	garrison	11/3/2021 10:11 AM
3	Garrison, Triodent	11/1/2021 10:11 AM

Q3 If you do use sectional matrix bands, which system do you use?

Answered: 19 Skipped: 2

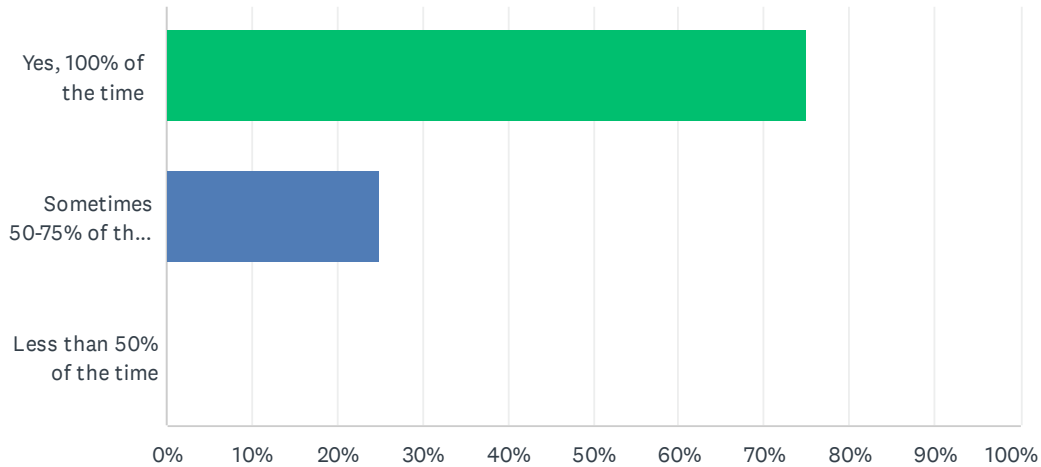


ANSWER CHOICES	RESPONSES
Triodent V3 Ring (Ultradent)	31.58% 6
Palodent Plus (Dentsply Sirona)	26.32% 5
Composi-Tight 3D XR (Garrison)	42.11% 8
TOTAL	19

#	OTHER (PLEASE SPECIFY)	DATE
1	palodent and composi tight	11/2/2021 9:24 AM
2	Clinician Choice	11/1/2021 6:46 PM
3	Triodent, Compositight, and Dual Force	11/1/2021 10:46 AM
4	Garrison	11/1/2021 10:11 AM
5	I use all types for different situations. Including Danvilles	11/1/2021 10:02 AM
6	Actually, I use all three, but mainly Triodent and Palodent Plus	10/31/2021 3:47 PM
7	combination of Garrison, Triodent, Palodent	10/29/2021 2:25 PM
8	Garrison, Dual Force	10/29/2021 11:27 AM
9	Directa	10/29/2021 9:39 AM

Q4 Do you routinely achieve good class 2 contacts with your sectional matrix band system?

Answered: 20 Skipped: 1

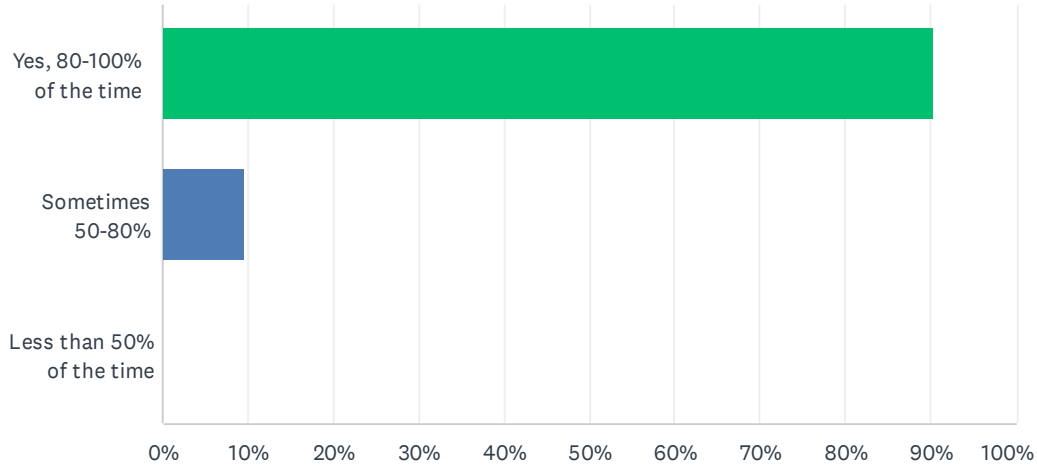


ANSWER CHOICES	RESPONSES
Yes, 100% of the time	75.00% 15
Sometimes 50-75% of the time	25.00% 5
Less than 50% of the time	0.00% 0
TOTAL	20

#	COMMENT	DATE
1	I don't know if anyone achieves 100% but higher than 75	11/1/2021 6:46 PM
2	Maybe 90% of the time.	11/1/2021 11:42 AM
3	With the large numbers that I use I can customize which matrix ring to use in each situation.	11/1/2021 10:02 AM
4	Large interproximal spaces and adjacent to implant restorations are difficult	10/30/2021 2:34 PM
5	At least 95%. Problem with wwide contacts	10/29/2021 5:50 PM
6	Closer to 90%	10/29/2021 4:06 PM
7	Certain tooth shapes make for a challenge	10/29/2021 10:00 AM
8	There is a learning curve.	10/29/2021 9:39 AM

Q5 Were you able to achieve an interproximal contact in the position you intended? (bucco-lingual and inciso-gingival dimensions)

Answered: 21 Skipped: 0

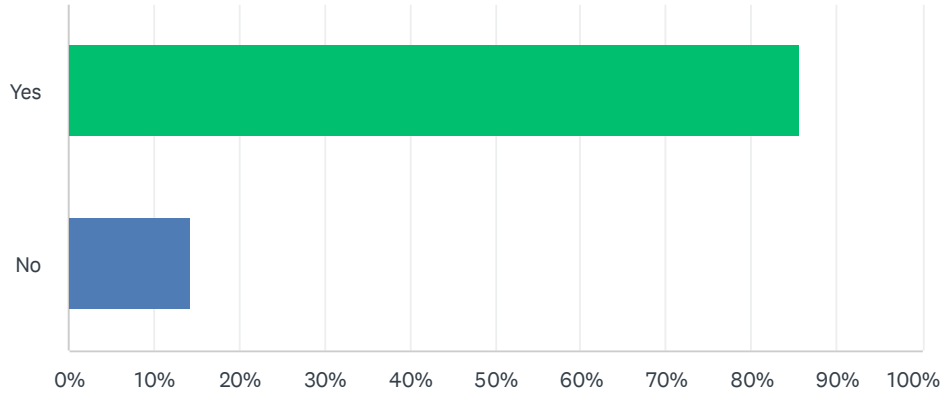


ANSWER CHOICES	RESPONSES	
Yes, 80-100% of the time	90.48%	19
Sometimes 50-80%	9.52%	2
Less than 50% of the time	0.00%	0
TOTAL		21

#	COMMENT	DATE
	There are no responses.	

Q6 With your present system, do you feel you can close wide-open embrasures to naturally contoured contacts?

Answered: 21 Skipped: 0

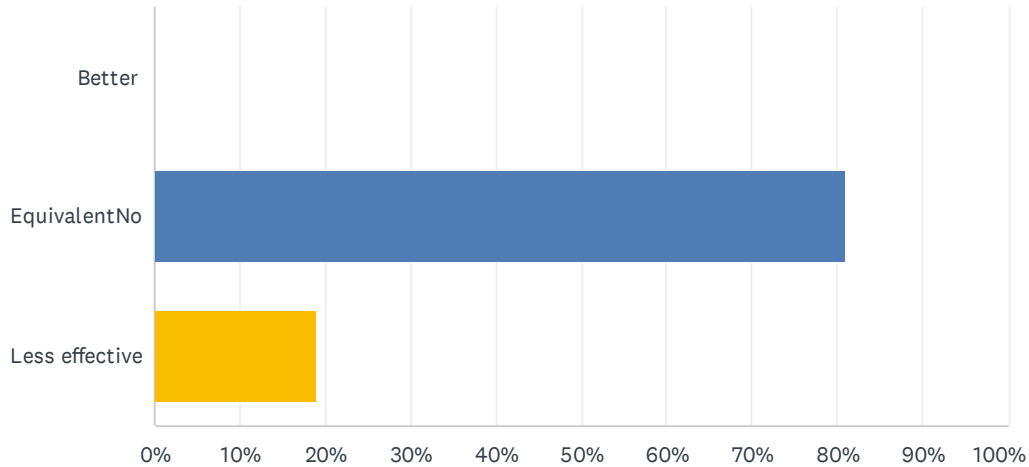


ANSWER CHOICES	RESPONSES	
Yes	85.71%	18
No	14.29%	3
TOTAL		21

#	IF NO, PLEASE LIST YOUR MATRIX SYSTEM AND ITS ITS LIMITATIONS	DATE
1	anything that is too wide i typically go to an indirect restoration	11/8/2021 11:30 AM
2	To some extent but it still depends on how wide open	11/1/2021 6:46 PM
3	*Most if the time.	11/1/2021 11:42 AM
4	As Long as I have a proper band the rings make it happen	11/1/2021 10:02 AM
5	I use a variety and sometimes difficult to to obtain nice contact and still allowing the wedge to keep the band intimate with the cervical aspect of the prep.	10/30/2021 2:34 PM

Q7 Compared to your current system, how would you rate the Premier X5 Matrix Sectional Matrix System?

Answered: 21 Skipped: 0

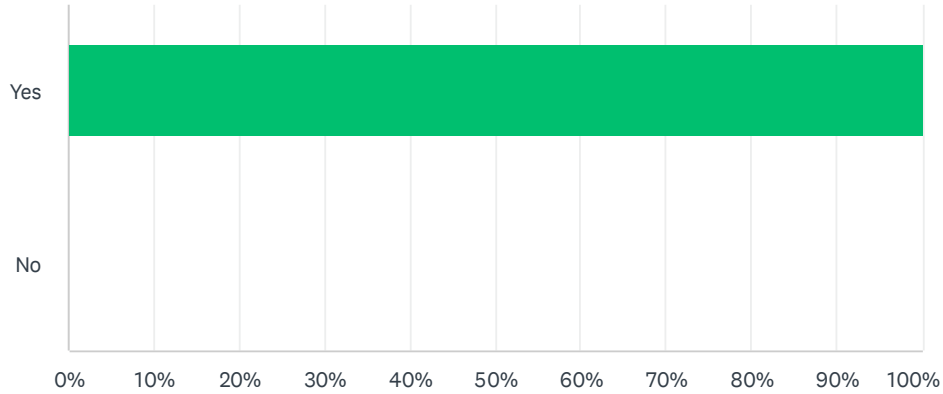


ANSWER CHOICES	RESPONSES
Better	0.00% 0
EquivalentNo	80.95% 17
Less effective	19.05% 4
TOTAL	21

#	IF LESS EFFECTIVE, PLEASE EXPLAIN	DATE
1	Good system similar in result to what i have.	11/8/2021 11:30 AM
2	hard to use on Mesial and distal box on the same tooth. also not real close integration with the embrasure.	11/2/2021 9:24 AM
3	Very close, slightly more flash to clean up but quite acceptable	11/1/2021 5:42 PM
4	Slips off teeth easier than Palodent Plus or Triodent V-3	10/31/2021 3:47 PM
5	Woule like to have thinner material for tighter contacts with the premier	10/29/2021 5:50 PM
6	Noticed a fairly dramatic loss of separation force within the 5 use increment. Also the bow sits at a higher angle than others blocking instrument access	10/29/2021 11:27 AM
7	The biggest difference is the ring. The shapes, where they contact the teeth interproximally, and the force of sepatation. I think there is less force of separation with the premier rings. However, this can be made up and is not a make-or-break issue.	10/29/2021 9:22 AM

Q8 Were the instructions easy to follow to achieve matrix, wedge, and ring placement?

Answered: 21 Skipped: 0

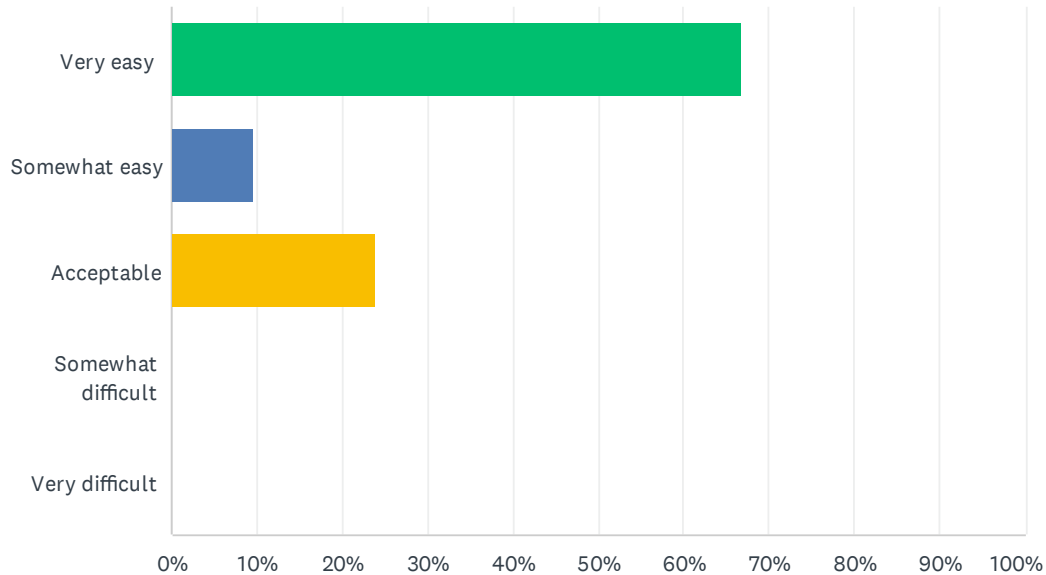


ANSWER CHOICES	RESPONSES	
Yes	100.00%	21
No	0.00%	0
TOTAL		21

#	IF NO WHAT WOULD YOU ADD OR CHANGE?	DATE
1	Flatter now angle, reduce separation force deterioration	10/29/2021 11:27 AM
2	Mode of application Less parts	10/29/2021 9:39 AM

Q9 How challenging was it to set up the system for Class 2 restorations? (placing the matrix, wedge, and ring in the mouth)

Answered: 21 Skipped: 0

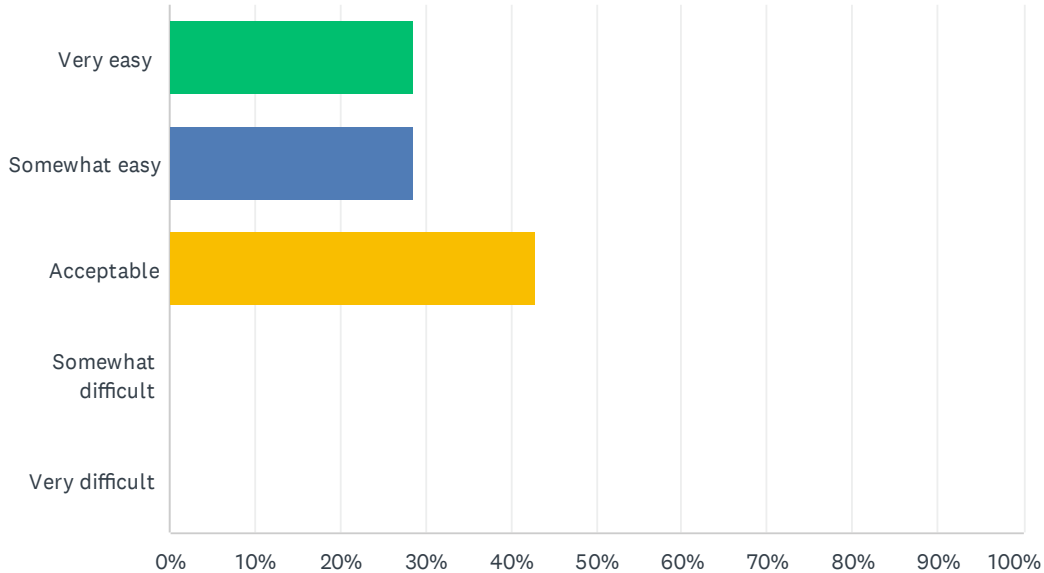


ANSWER CHOICES	RESPONSES
Very easy	66.67% 14
Somewhat easy	9.52% 2
Acceptable	23.81% 5
Somewhat difficult	0.00% 0
Very difficult	0.00% 0
TOTAL	21

#	COMMENT	DATE
1	I'm used to these systems.	11/8/2021 11:30 AM
2	Equal to other systems	10/30/2021 2:34 PM

Q10 How would you rate the opening force of the ring when placing it interproximally?

Answered: 21 Skipped: 0



ANSWER CHOICES	RESPONSES
Very easy	28.57% 6
Somewhat easy	28.57% 6
Acceptable	42.86% 9
Somewhat difficult	0.00% 0
Very difficult	0.00% 0
TOTAL	21

#	COMMENT	DATE
1	It's ok but harder than the rings I use	11/1/2021 6:46 PM
2	I like the tension it places on both teeth	10/30/2021 2:34 PM
3	Wider openings aand the ring infringed on contact	10/29/2021 5:50 PM

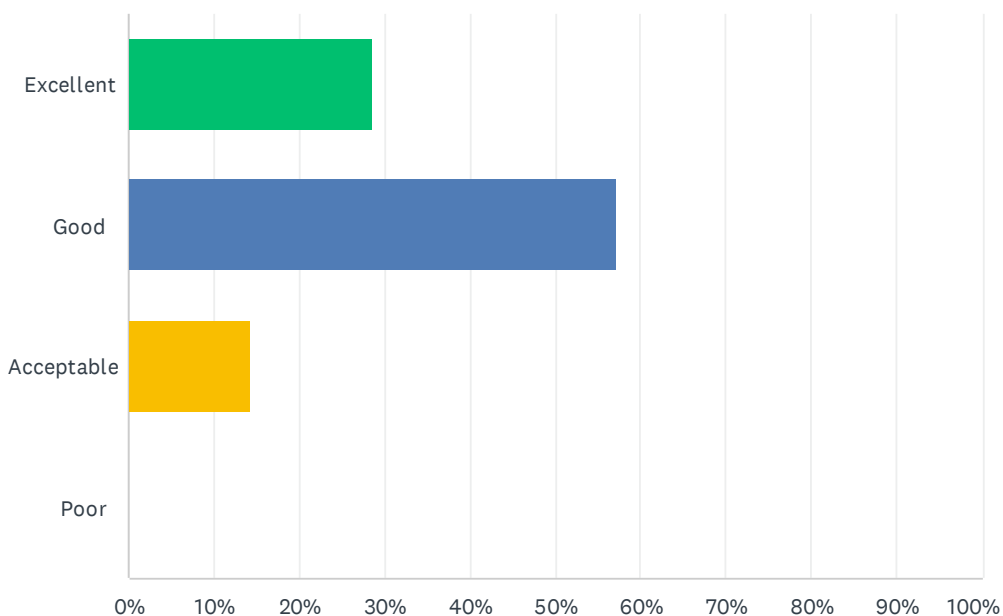
Q11 The rings (retail cost \$4/ring) are intended to be reprocessed (cleaned and sterilized) up to 5 times before discarding, how did you track the number of times rings were used?

Answered: 21 Skipped: 0

#	RESPONSES	DATE
1	had my assistant track it.	11/8/2021 11:30 AM
2	in a sterilizing pack with a number on. igt with a pen.	11/3/2021 10:11 AM
3	i wasn't very good at this trait..	11/2/2021 9:24 AM
4	I'm not sure we did. The evaluation period wasn't very long and in my practice I don't do a lot of class 2s	11/1/2021 6:46 PM
5	I did not track and probably most will not either.	11/1/2021 5:42 PM
6	Placed a mark on the outside of the bag.	11/1/2021 11:42 AM
7	Wrote on sterilizing pouch	11/1/2021 10:46 AM
8	numbered the bag	11/1/2021 10:11 AM
9	That's a problem as we don't have a system and will have to work one out	11/1/2021 10:02 AM
10	this was difficult in the normal busy day-to-day. I almost would rather use a cheaper but 1x/use ring so that we didn't have to come up w/ a way to monitor number of uses	11/1/2021 7:52 AM
11	Cut a notch with a 330 bur on the ring each time we used it	10/31/2021 3:47 PM
12	Did not do that	10/30/2021 2:34 PM
13	This would be difficult	10/29/2021 5:50 PM
14	Used 4 times	10/29/2021 4:06 PM
15	That was difficult for us, we did not create a system for tracking so it was hard to tell how many times the ring had been used.	10/29/2021 2:25 PM
16	Marked on ring with a bur	10/29/2021 11:27 AM
17	Numbered the sterilization bag	10/29/2021 11:03 AM
18	Write on the sterilization bag	10/29/2021 10:17 AM
19	Marker tick after each use on the ring with a permanent marker	10/29/2021 10:00 AM
20	We marked the sterilization bag after use	10/29/2021 9:39 AM
21	No. Having multiple Premier rings(5+) is an advantage over my current system	10/29/2021 9:22 AM

Q12 Please rate the Premier X5 metal matrices.

Answered: 21 Skipped: 0

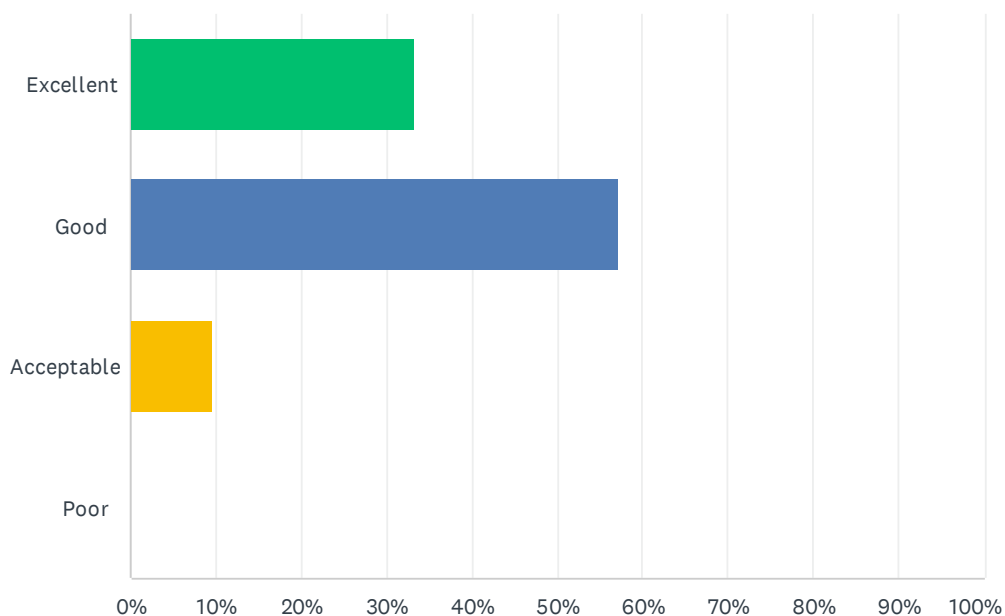


ANSWER CHOICES	RESPONSES
Excellent	28.57% 6
Good	57.14% 12
Acceptable	14.29% 3
Poor	0.00% 0
TOTAL	21

#	IF POOR, WHAT DID YOU NOT LIKE?	DATE
1	Very large, wide	10/29/2021 4:06 PM
2	See prev comments	10/29/2021 11:27 AM

Q13 Please rate the Premier X5 wedges.

Answered: 21 Skipped: 0

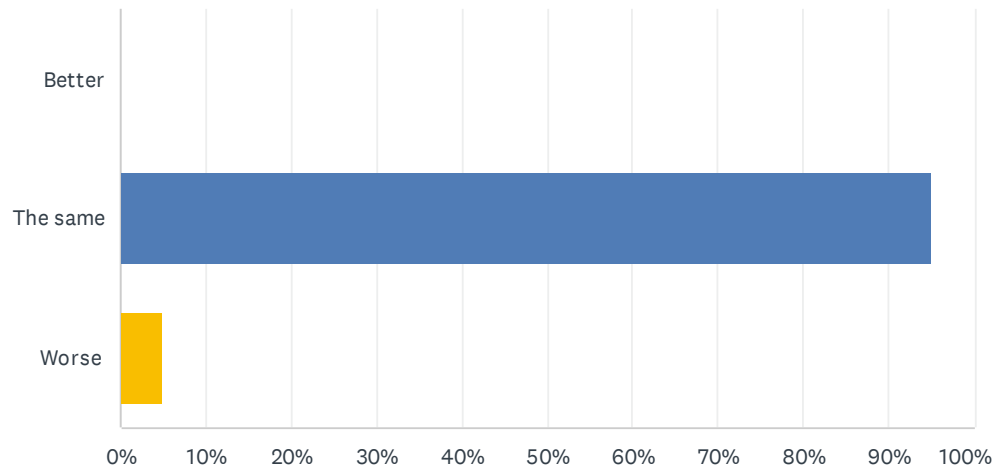


ANSWER CHOICES	RESPONSES
Excellent	33.33% 7
Good	57.14% 12
Acceptable	9.52% 2
Poor	0.00% 0
TOTAL	21

#	IF POOR, WHAT DID YOU NOT LIKE?	DATE
1	I liked the wedges	11/1/2021 6:46 PM
2	I especially liked the small yellow wedge which is smaller than any other wedge that I presently have. You may want to have one more wedge which is wider yet.	11/1/2021 5:42 PM

Q14 Evaluate the quality of the contact you achieved with this system?

Answered: 20 Skipped: 1

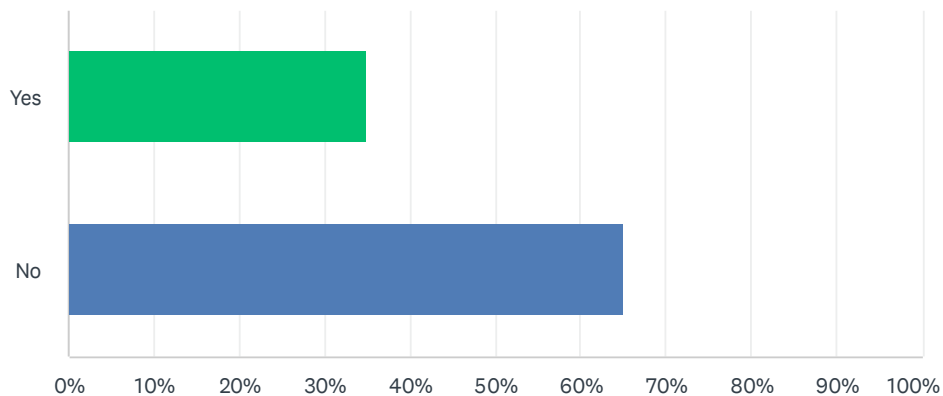


ANSWER CHOICES	RESPONSES
Better	0.00% 0
The same	95.00% 19
Worse	5.00% 1
TOTAL	20

#	IF WORSE, WHAT DO YOU THINK HAPPENED.	DATE
1	adaptation at the embrasure was not always tight...	11/2/2021 9:24 AM
2	trident is nice too. I can see the benefit of the premier ring because of the incredible cost savings	11/1/2021 7:52 AM
3	Not as tight	10/29/2021 5:50 PM
4	Excellent as well	10/29/2021 4:06 PM
5	But only through the first 2-3 uses	10/29/2021 11:27 AM

Q15 Did you feel you could use this to achieve more difficult contacts versus traditional sectional matrix bands?

Answered: 20 Skipped: 1

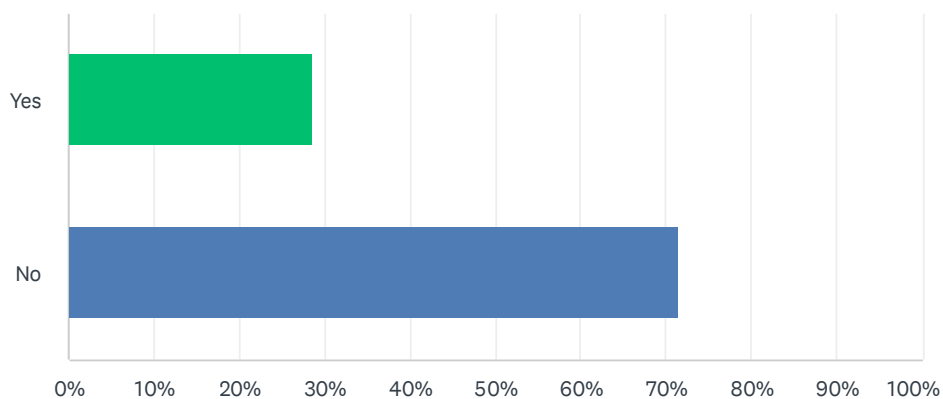


ANSWER CHOICES	RESPONSES	
Yes	35.00%	7
No	65.00%	13
TOTAL		20

#	COMMENT	DATE
1	possibly thought i do a lot of indirect restorations	11/8/2021 11:30 AM
2	Not necessarily	11/1/2021 6:46 PM
3	Excellent pressure	11/1/2021 5:42 PM
4	No one system in my experience works 100% of the time..	11/1/2021 10:46 AM
5	equal	11/1/2021 10:02 AM
6	The pressure on adjacent tooth was really good. Maybe because brand new ring but still effective	10/30/2021 2:34 PM
7	Rings are a problem	10/29/2021 5:50 PM

Q16 Did you have any negative experiences using the system?

Answered: 21 Skipped: 0

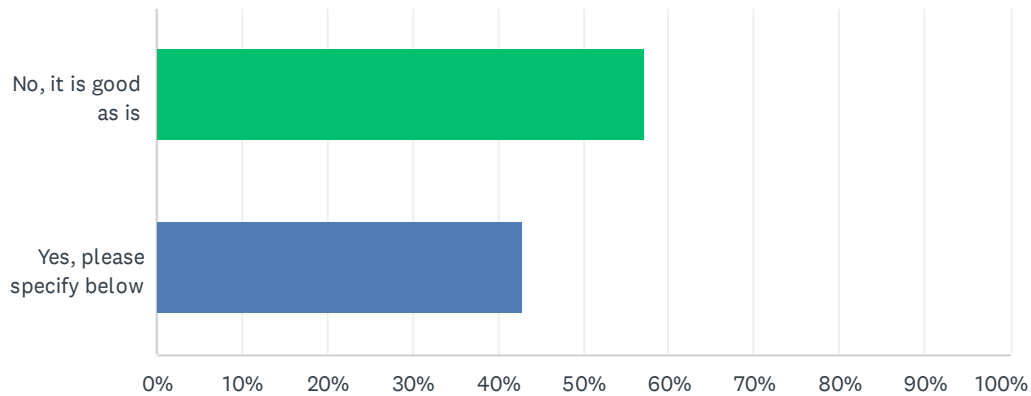


ANSWER CHOICES	RESPONSES	
Yes	28.57%	6
No	71.43%	15
TOTAL		21

#	IF YES, PLEASE EXPLAIN?	DATE
1	i had a quadrant of composites to do and i was unable to place multiple clamps at the same time	11/2/2021 9:24 AM
2	keeping track of use	11/1/2021 10:02 AM
3	Slides or pops off of some teeth when placed	10/31/2021 3:47 PM
4	Bands could be more contoured	10/29/2021 4:06 PM
5	Prev comments...specifically comp. carving/placement instrument access .	10/29/2021 11:27 AM
6	Sometimes it was difficult to get it below the gingival margin, the tab prevented a deeper placement at times also	10/29/2021 11:03 AM

Q17 Is there something in the X5 system that could be improved?

Answered: 21 Skipped: 0

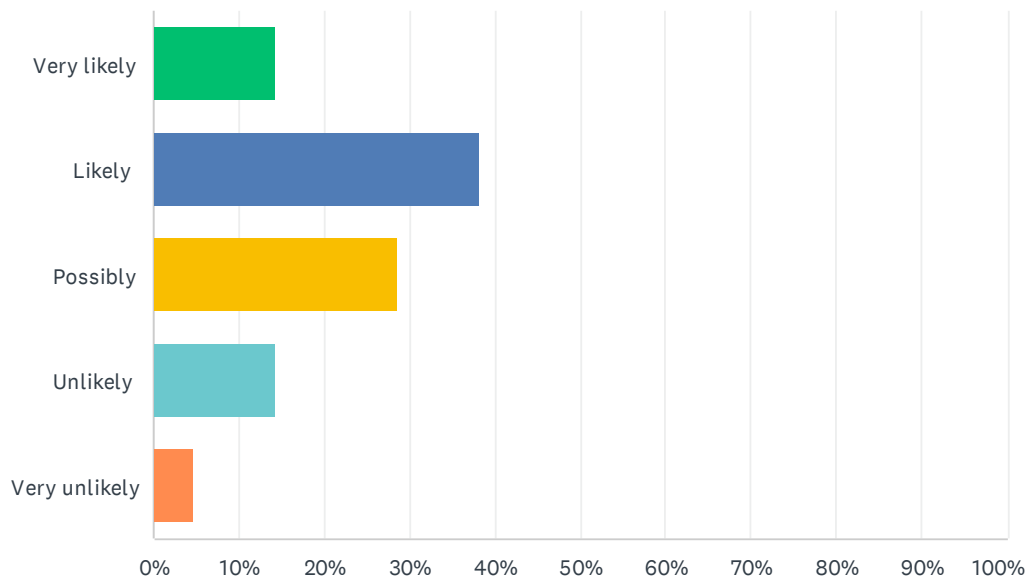


ANSWER CHOICES	RESPONSES
No, it is good as is	57.14% 12
Yes, please specify below	42.86% 9
TOTAL	21

#	PLEASE SPECIFY IMPROVEMENTS	DATE
1	Good system	11/8/2021 11:30 AM
2	interproximal embrasures and tightness of this area.. better adaptation.	11/2/2021 9:24 AM
3	The rings were difficult for me to open	11/1/2021 6:46 PM
4	A great generic size. Sometimes I like having the ability to use a different retainer for extra wide interproximal spaces that wrap a little on the buccal or lingual.	11/1/2021 5:42 PM
5	*Garrison has a nicer forcep to open their rings, but it's not a real big deal.	11/1/2021 11:42 AM
6	tracking	11/1/2021 10:02 AM
7	Find a way to keep the grip more secure	10/31/2021 3:47 PM
8	Better rib=ngs an thinner material	10/29/2021 5:50 PM
9	See above	10/29/2021 4:06 PM
10	Noted previously	10/29/2021 11:27 AM
11	The bands worked well in most cases like all other systems, just had to figure out its limitations, example: very conservative prep was difficult to go past gingival margin	10/29/2021 11:03 AM
12	Less parts	10/29/2021 9:39 AM
13	Having more rings is the key to most these systems. The Premier system allows for obtaining more rings at a lower cost, with the same performance.	10/29/2021 9:22 AM

Q18 How likely are you to integrate the Premier X5 Sectional Matrix System into your clinical armamentarium?

Answered: 21 Skipped: 0



ANSWER CHOICES	RESPONSES
Very likely	14.29% 3
Likely	38.10% 8
Possibly	28.57% 6
Unlikely	14.29% 3
Very unlikely	4.76% 1
TOTAL	21

#	COMMENT	DATE
1	i liked the ease of use with the system but unpredictable in getting solid contact areas and embrasures	11/2/2021 9:24 AM
2	An interesting new concept	11/1/2021 5:42 PM
3	I'm a KOL for Garrison already, so the system would have to be quite remarkable for me to switch.	11/1/2021 11:42 AM
4	seems similar to the rest of the space	11/1/2021 10:11 AM
5	I like the disposability as the way that I bond I get rings very full of bond resin so after a while the metal ones look terrible. I like the idea of being able to throw the rings away once you reach 5 uses or if they get too coated with bond resin.	11/1/2021 10:02 AM
6	we are so used to using the triodent, but this is quite compatible. I am must not sure about the 5x/use part	11/1/2021 7:52 AM
7	Price is very good. Less than \$1/per use. You may wish to place a BOLD print warning not to	10/31/2021 3:47 PM

Premier X5 Matrix

exceed a certain number of uses for fear of not creating a solid contact/fracturing/etc. Even though you state five times for use then toss, some dentists will not follow your advice and "push" the envelope. f

8	Really like the system	10/30/2021 2:34 PM
9	I love Premier products. This one is more a "like"	10/29/2021 4:06 PM
10	Would depend on cost , a good tool to have in the bag though	10/29/2021 11:03 AM
11	It's a more practical system than more other systems out on the market.	10/29/2021 9:22 AM