

Product Catalog

Dental resins, equipments, and accessories



Learn more

TCS is a dental manufacturing company dedicated to providing dental laboratories with exceptional quality materials, equipment, and handson training courses that are accessible and reliable. At the core of our brand, we believe that one of the key components to creating successful removable appliances is through forming strong partnerships, because for **TCS**, manufacturing is more than just a business, it is a collectivist culture.



3 Generations 70+ Countries we sell to

The TCS Experience

Our partnership at a glance

Dynamism

An energetic and passionate team moves forward together and constantly progresses to add value to our customers.

Education

Outstanding technical support and online training designed to grow confidence in creating exceptional TCS dental appliances.

Innovation

A philosophy to continuous improvement guides us to develop better methods, tools, materials, educational programs, etc.

Manufacturing In-House

The majority of our products, including our resins and equipment are manufactured in-house in CA, USA.

Together We Smile - TCS Charitable Events

Our industry is fortunate to be part of a community where giving back literally means putting smiles on people's faces.

Win - Win Philosophy

Your success is our success. We aim for long term relationships based on mutual trust, respect and benefit.

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Nylon thermoplastic with unbeatable strength



Extremely resilient, high performance nylon thermoplastic ideal for flexible partials.

- Guaranteed unbreakable due to its unique properties.
- Designed for exceptional memory to hold its form.
- Offers an ideal degree of flexibility.
- A modern fit, lightweight and durable.

Learn more

Unbreakable[™]

TCS resins are available in bulk or aluminum cartridges that come in various sizes/diameters. Be sure to order the correct diameter cartridge to fit your injection unit. Millable discs available for CAD/CAM - Refer to pages 18-19.



Shade		25mm	28mm	22mm
	S	4002-01/S1	/	/
Light Pink (Shade 1)	М	4000-01/M1	/	4005-01/M22-1
	L	4005-01/L1	/	4005-01/L22-1
	S	4002-01/S2	/	/
Standard Pink (Shade 2)	М	4000-01/M2	4000-01/MF2	4005-01/M22-2
	L	4005-01/L2	4005-01/LF2	4005-01/L22-2
	S	4002-01/S3	/	/
Light / Dark Pink (Shade 3)	М	4000-01/M3		4005-01/M22-3
(Shade 3)	L	4005-01/L3	/	4005-01/L22-3
	S	4002-01/S4		/
Dark Pink (Shade 4)	М	4000-01/M4	4000-01/MF4	4005-01/M22-4
	L	4005-01/L4	4005-01/LF4	4005-01/L22-4
	S	4002-01/SN	/	/
Natural (Shade N)	М	4000-01/MN	/	4005-01/M22-N
	L	4005-01/LN		4005-01/L22-N

Each pack includes the following:

5 delivery bags | 5 patient care instructions | 5 samples of TCS Dental Appliance Cleaner (1-week supply).*

Each kilo includes the following:

50 delivery bags and **50** patient care instructions. Not applicable to JP Bullets. USA only.*



25mm with tab	25 mm with nozzle	1 kilogram	500 grams	JP Bullets
1	/			4002-JP/S1
1	1	4003-01/B1	4003-01B/ 15	/
4005-01/LT25-1	4005-01/LNZ25-1			4005-JP/L1
1	/			4002-JP/S2
1	1	4003-01/B2	4003-01B/ 25	/
4005-01/LT25-2	4005-01/LNZ25-2	23		4005-JP/L2
1	/			4002-JP/S3
1	1	4003-01/B3	4003-01B/ 35	/
4005-01/LT25-3	4005-01/LNZ25-3			4005-JP/L3
1	/			4002-JP/S4
1	1	4003-01/B4	4003-01B/ 45	/
4005-01/LT25-4	4005-01/LNZ25-4			4005-JP/L4
/	/			4002-JP/SN
1	/	4003-01/BN	4003-01B/ N5	/
4005-01/LT25-N	4005-01/LNZ25-N			4005-JP/LN

FIER Polyolefin thermoplastic with translucent finish



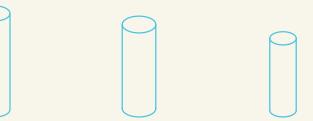
• Highly translucent, polyolefin thermoplastic ideal for flexible partials.

- Simple to finish and polish.
- Stain resistant and easy to maintain.
- · Clinically unbreakable.
- Offers an ideal degree of flexibility.

Learn more



TCS resins are available in bulk or aluminum cartridges that come in various sizes/diameters. Be sure to order the correct diameter cartridge to fit your injection unit. Millable discs available for CAD/CAM - Refer to pages 18-19.



Shade		25mm	28mm	22mm
	S	5002-01/S1		/
Light Pink (Shade 1)	М	5000-01/M1		5005-01/M22-1
	L	5005-01/L1	/	5005-01/L22-1
	S	5002-01/S2		/
Standard Pink (Shade 2)	М	5000-01/M2	5000-01/MF2	5005-01/M22-2
	L	5005-01/L2	5005-01/LF2	5005-01/L22-2
	S	5002-01/S3		/
Light / Dark Pink (Shade 3)	М	5000-01/M3		5005-01/M22-3
(Shade 3)	L	5005-01/L3	/	5005-01/L22-3
	S	5002-01/S4		/
Dark Pink (Shade 4)	М	5000-01/M4	5000-01/MF4	5005-01/M22-4
	L	5005-01/L4	5005-01/LF4	5005-01/L22-4
	S	5002-01/SN		/
Natural (Shade N)	М	5000-01/MN		5005-01/M22-N
	L	5005-01/LN		5005-01/L22-N

Each pack includes the following:

5 delivery bags | 5 patient care instructions | 5 samples of TCS Dental Appliance Cleaner (1-week supply).*

Each kilo includes the following:

50 delivery bags and **50** patient care instructions. Not applicable to JP Bullets. USA only.*



25mm with tab	25 mm with nozzle	1 kilogram	500 grams	JP Bullets	
1	/			5005-JP/S1	
/	/	5003-01/B1	5003-01B/ 15		
5005-01/LT25-1	5005-01/LNZ25-1			5005-JP/L1	
/	/			5005-JP/S2	
1	/	5003-01/B2	5003-01B/ 25		
5005-01/LT25-2	5005-01/LNZ25-2			5005-JP/L2	
/	/			5005-JP/S3	
1	/	5003-01/B3	5003-01/B3 5003-01B/ 3-,5		
5005-01/LT25-3	5005-01/LNZ25-3			5005-JP/L3	
/	/			5005-JP/S4	
1	/	5003-01/B4	5003-01/B4 5003-01B/ 4-,5		
5005-01/LT25-4	5005-01/LNZ25-4			5005-JP/L4	
/	/			5005-JP/SN	
/	/	5003-01/BN 5003-01B/	5003-01B/ N5		
5005-01/LT25-N	5005-01/LNZ25-N			5005-JP/LN	





- Semi-rigid, microcrystalline polymer thermoplastic.
- Ideal for full dentures, semi-flexible partial dentures, clear clasps, frameworks, and nightguards.
- An upgrade from traditional acrylic dentures yet as simple to finish and polish.
- Finishes completely transparent in our Clear shade.
- A modern fit, lightweight and durable.

Learn more

Karadent[™]

TCS resins are available in bulk or aluminum cartridges that come in various sizes/diameters. Be sure to order the correct diameter cartridge to fit your injection unit.



Shade		25mm	28mm	22mm
	S	2000-01/S2	/	/
Standard Pink (Shade 2)	М	2000-01/M2	/	/
	L	2005-01/L2	1	2005-01/L22-2
	S	2000-01/S4	1	/
Dark Pink (Shade 4)	М	2000-01/M4	/	/
	L	2005-01/L4	1	2005-01/L22-4
	S	2000-01/SN	/	/
Natural (clear) (Shade N)	М	2000-01/MN	1	/
(0/1400 / 1))	L	2005-01/LN	1	2005-01/L22-N

 Each pack includes the following:

 5 delivery bags
 5 patient care instructions
 5 samples of TCS Dental Appliance Cleaner (1-week supply).*

Each kilo includes the following:

50 delivery bags and **50** patient care instructions. Not applicable to JP Bullets. USA only.*









25mm with tab	25 mm with nozzle	1 kilogram	500 grams	JP Bullets
/	1			2002-JP/S2
/	1	2003-01/B2	2003-01B/ 25	/
/	1			/
/	1			2002-JP/S4
1	1	2003-01/B4	2003-01B/ 45	1
/	1			1
1	1			2002-JP/SN
1	1	2003-01/BN	2003-01B/ N5	1
1	1			1

TCS Millable Discs

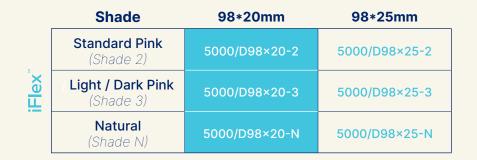
Our newest product stands out with **TCS** aesthetics.



Learn more



	Shade	98*20mm	98*25mm
akable	Standard Pink (Shade 2)	4000/D98×20-2	4000/D98×25-2
reaka	Light / Dark Pink (Shade 3)	4000/D98×20-3	4000/D98×25-3
Unbi	Natural (Shade N)	4000/D98×20-N	4000/D98×25-N



- Digital technology allows for ultimate precision.
- Appliances come out with a smooth surface making them faster and easier to polish.
- Polishing process is quick (approx. 2 minutes).
- Milling an appliance from a disc is kinder on your tools.

TCS Injection Units

TCS offers a variety of injection units to fit laboratories preferences and budget. View below a few programs available to you.

Equipment Rental Program

Not sure which injection system is right for you?

Get to know TCS injector units before making the investment and avoid the risk of paying restocking fees. Our reasonably priced rental program allows you to test a TCS workflow in your lab for 20 business days.

Get rewarded for smart shopping. Purchase a TCS injection unit (with any authorized distributor) within three months of your rental period and you'll receive free material. USA customers only.

Click Here to Get A TCS Equipment Rental Quote

SWITCH Promotion Program

Ready to upgrade from another injection brand?

Take advantage of our switch promotions.

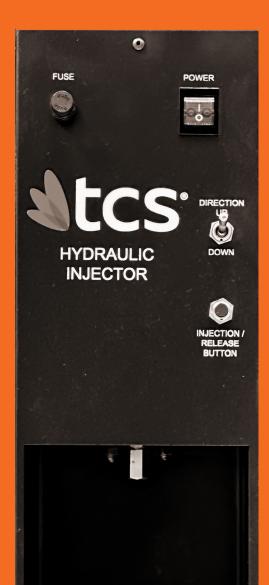
Contact sales@tcsdentalinc.com for details!

Register your Equipment Recently purchased a TCS Unit?

Register your equipment to assure your warranty coverage.

Click Here to Register Your Equipment

TCS Hydraulic Injector



- Equal pressure with every injection
- Minimal maintenance
- No air connections required
- Requires an external heater (TCS Digital Furnace)
- 2 years warranty
- Made in USA

SPECS:

Yields approx. 30 cases per day (up to 120 cases with additional furnaces)

H: 22" L: 11" W: 6.5". 50 lbs. (23 kilos)

NOTE:

Used in conjunction with the TCS Digital Furnace. Sold separately.

3504-01	Injector only 110V
3504-02	Injector only 220V

TCS Manual Injector



- Minimal maintenance
- Built to last
- Simple to use
- Requires an external heater (TCS Digital Furnace)
- 2 years warranty
- Made in USA

SPECS:

Yields approx. 30 cases per day (up to 120 cases with additional furnaces)

H: 22" L: 22" W: 17" 42 lbs. (19 kilos)

NOTE: Used in conjun

Used in conjunction with the TCS Digital Furnace. Sold separately.

3506-01 Injector only 110V

TCS Automatic Injector



- Compact design with a built-in furnace
- Equal pressure with every injection
- Injects with a touch of a button
- Requires hookup to air pressure (min 140 psi)
- 1 year warranty
- Made in USA

SPECS: Yields approx. 30 cases per day

H: 23″ L: 8″ W: 13.5″. 40 lbs. (18 kilos).

3525-01	Injector only 110V
3525-02	Injector only 220V

TCS Hydraulic and Manual Injector Basic Kits

Kits include the basic essentials to inject TCS Resins.



Hydraulic Basic Kits

3511-01	110V
3511-02	220V

Manual Basic Kits

3508-01	110V
3508-02	220V

TCS Automatic Injector Basic Kits

Kits include the basic essentials to inject TCS Resins.





2 x Cartridges of Each: Unbreakable™ and iFlex™



1 x Mold Release Spray

Automatic Air Basic Kits

3528-01	110V		
3528-02	220V		

TCS Hydraulic and Manual Injector Complete

Includes all the essentials necessary to process TCS Resins.



1 x Digital Furnace







10 pcs. Palate Wax



10 pcs. Lingual Wax







3 pcs. 9.5 Sprue Wax



1 x Carving Knife





10 pcs. Sprue Wax





1 x Mold Release Spray **1 x Fusing Liquid**



1 x Cement

2 pks x Unbreakable™ 2 pks x iFlex[™] 2 pks x Karadent™



1 x EZ Flow Sample

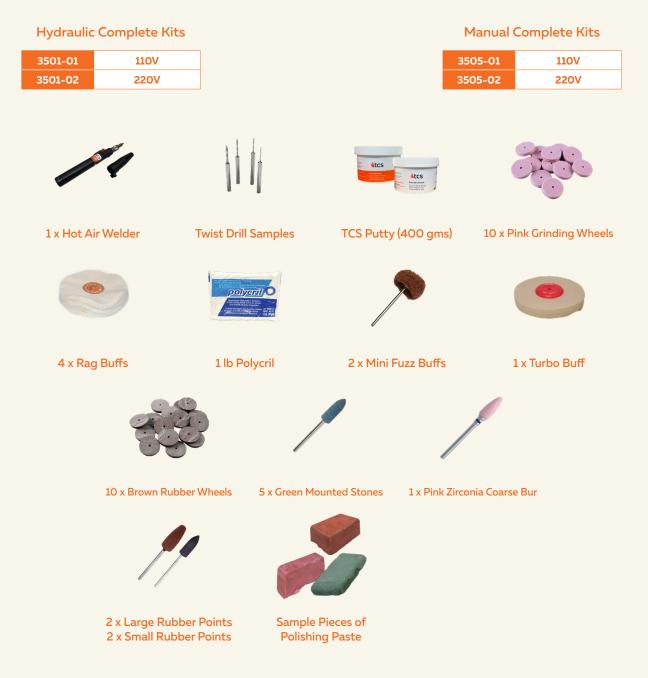
1 x Knock Out Rod 1 x Knock Out Stand



1 x Thin Bronze Plug



1 x Rubberized Abrasive 304 1 x Rubberized Abrasive 306



Items in the kits may change without prior notice. We strive for continuous improvement, if we discover a product that works better with our resins, we may switch out an item(s).

TCS Automatic Injector Complete Kits.

Includes all the essentials necessary to process TCS Resins.



Automatic Complete Kits

3526-01	110V
3526-02	220V









TCS Putty (400 gms)

10 x Pink Grinding Wheels

10 x Brown Rubber Wheels

2 x Mini Fuzz Buffs





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Note: It is not recommended to inject Karadent[™] by tcs[®] using the Automatic Air Injector.

Items in the kits may change without prior notice. We strive for continuous improvement, if we discover a product that works better with our resins, we may switch out an item(s).

JP90 Handheld Injector



- 1-3 tooth unilaterals •
- Up to 5 consecutive tooth partials/saddles, saddles for combination cases
- **Repairs** •
- 2 years warranty
- Made in USA

SPECS: H: 6″ L: 2-1/4″ W: 11″ 2 lbs. (1 kilo)

> JP90 Injector only 7000-JP



JP Flask

Fabricated from high precision stainless steel to withstand warpage under extreme heat.





Metal Sprues

Used to create a gateway for injection.

7014-JP



Used to facilitate putty application.

7010-JP

atcs.

tcs

TCS Putty

Used to create a matrix when injecting with the JP90 Handheld Injector. Can also be used to invest for clean injections.

Base & Catalyst 4296-01

400gms ea.

JP90 Starter Kits



1 x JP90 Handheld Injector



JP Bullets (Small) 1 pk x Unbreakable™ 1 pk x iFlex™



JP Bullets (Large) 1 pk x Unbreakable™ 1 pk x iFlex™



JP flask



TCS Putty (400 gms)

2 x Waxed Cases for Practice



1 x Matrix Pusher 5 x Metal Sprues

JP90 Starter Kits

7001-JPU	JP Starter Kit			
7020-JPU	JP Starter Kit with Digital Furnace			

Digital Furnace & Accessories



- **Simple and practical** •
- Melts thermoplastic resin •
- **Compact design** •
- Reliable / low maintenance
- **2** years warranty
- Made in USA

SPECS: H: 6" L: 1.5" W: 11" 1.3 lbs. (0.6 kilos)

3512-01	110V
3512-02	220V





Melting Cylinder with Handle

Fabricated from high precision stainless steel to withstand warpage under extreme heat.

3703-01



Knock Out Stand and Rod

Steel tools used for purging the melting cylinder from the remaining cartridge and bronze plug after injection.

	3705-01	Knock Out Stand		
-	3707-01	Knock Out Rod		

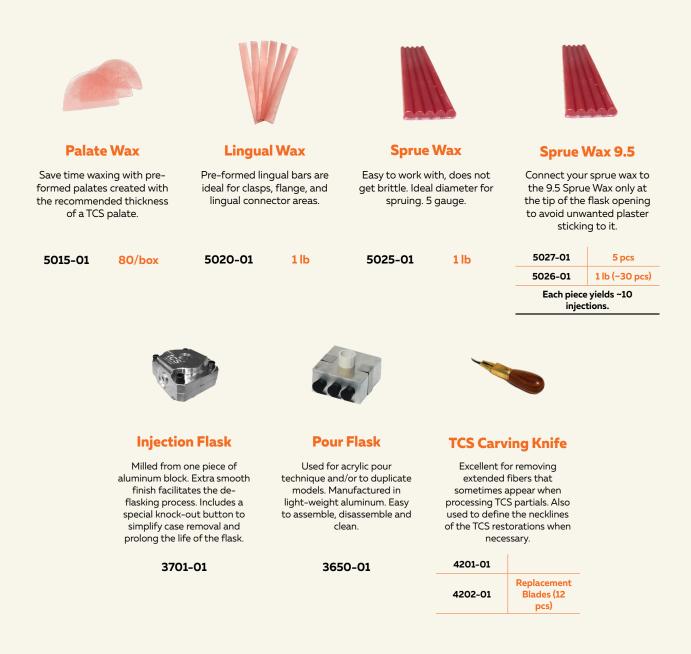


Bronze Plugs

Thick bronze plug is used when melting medium and small cartridges in the furnace. Thin bronze plug is used when melting large cartridges in the furnace.

3709-01	Bronze Plug Thin		
3712-01	Bronze Plug Thick		

Waxes / Flasks



Processing Tools



TCS Cement

To secure teeth in the stone prior to injection. Mild enough to keep teeth from bonding to the stone during injection.

0.5 oz

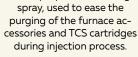
		-
201	02-0	1
300	JZ-U	1



Fusing Liquid

For repairs and additions to existing TCS restorations. The Fusing Liquid is ONLY used when flasking and injecting are necessary.

3812-01 0.5 oz



tcs

Mold Release Spray

Colorless and non-staining

multi-purpose lubricating

3814-01 12 oz



Hot Air Welder

Hand torch in a slim design for minor repairs or additions to TCS restorations. Refillable with butane. (Butane not included).

* 6 month warranty

* proof of purchase (invoice) is required

3714-01



Twist Drills

To create the diatoric retention in acrylic teeth necessary for fabricating TCS restorations.

005	5005-01	6 pcs
006	5006-01	6 pcs
009	5009-01	6 pcs
012	5012-01	6 pcs



Empty Cartridges

Empty cartridges are sold in packs of 50



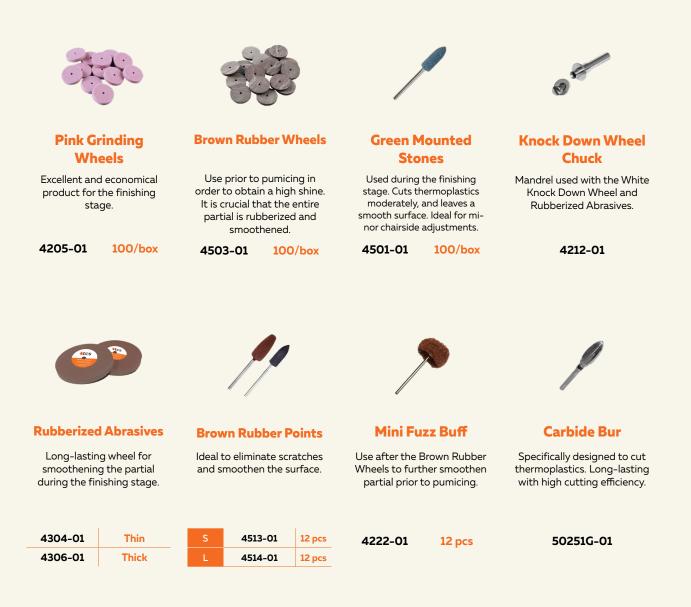
EZ Flow

Separating medium for processing thermoplastics. Eliminates stone sticking to the partial, leaving it shiny and clean.

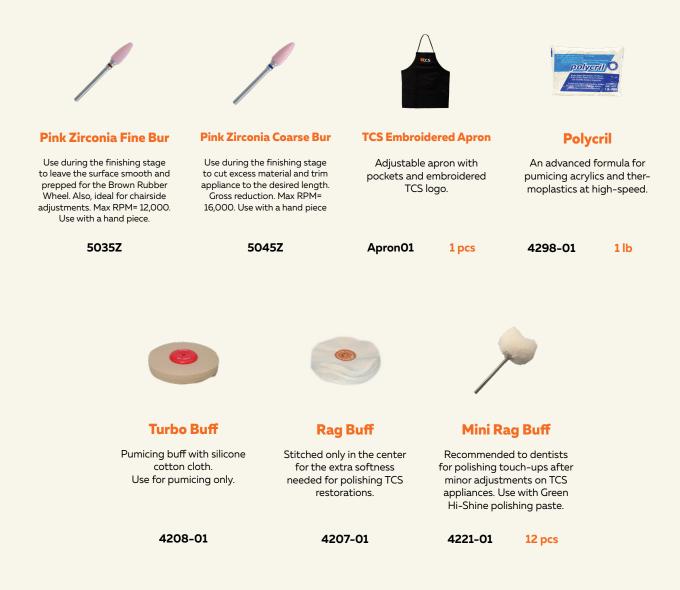
4217-01	16 oz	
4218-01	1 gallon	

	25mm	28mm	22mm	
S	3003-01S	/	/	
М	3003-01M	3003-01MF	3003-01M22	
L	3003-01L	3003-01LF	3003-01L22	

Finishing Tools



Finishing Tools / Polishing Tools



Polishing Tools

Brown	Tripoli	iSh	ine	Green H	li-Shine	Dr. Adjustment Kit.*
Use after pu prepare app polishing. Ef all TCS resins. U Rag E	bliance for fective for Jse with a dry	Use after Bro polish surfa partials (and o thermoplastic dry Ra	ce of iFlex™ ther polyolefin cs). Use with a	polish surface and Unbreaka	own Tripoli to of Karadent™ able™ partials. dry Rag Buff.	ldeal for quick and easy chairside adjustments.
4206-01	2 lbs	4220-01	10.75 oz	4209-02	1 lb	4014-02
	Unbrea	Model kable™	Karao	Model: dent™	iFle	Model: ex™
	your lak	keting tool for poratory.	your lab	veting tool for poratory. Upper Full	your lab	keting tool for poratory.
	4011-01U	Upper Partial	4016-01U	Denture	4009-01U	Upper Partial
	4011-01L	Lower Partial	4017-01L	Lower Full Denture	4009-01L	Lower Partial
			4018-01U	Upper Clear Framework		
			4019-01U	Upper Partial Denture		
			4019-01L	Lower Partial Framework		





A clean appliance is vital to patients' health and the appearance and longevity of dental appliances. TCS Concentrated Dental Appliance Cleanser is a safe solution for quick and effective results.



TCS includes patient care instructions and a sample pack of denture cleaner with each cartridge.* Include them with the finished case so that the patient can maintain a clean and vibrant appliance.

*USA only

TCS Support

We value your success!

Quality tools and support help improve your laboratory's productivity and quality when fabricating a TCS Dental Appliance.

Text Support

Register your phone for quick text support: Text your name, name of laboratory, city, and state to (562) 241-1225

Request Promo Material

Grow your removable department. Request digital web-ads and printed promotional material. *Ship to US only.

Order Now

Online Training

Sign up for an eLearning experience. TCS provides thorough followalong training for producing TCS Flexible Partials The TCS Way. 2 CDT credits will be awarded. More information may be found on the following page.

Start Today





Online Training

Start Today

Covers All the Basics

Covers design, block out, setup, waxing, processing, finishing and polishing.

Basic Training Kit

Kits are available for USA customers only and includes all the basic tools needed to follow along with the course.

Test your Knowledge

Each chapter includes a quiz so you can test how much you've learned.

Certificate of Completion

Receive a digital certificate of completion upon completing the course.

Earn CDT Credits

The training course gets you 2 Scientific CDT credits!

Pricing

\$80

Complete: Includes a Welcome Box containing a variety of tools to follow along with each lesson. Ships to USA only.

\$42 Basic: Access to online training only. Use coupon code BASIC at checkout.

Free

Basic training with purchase of any TCS Injector Kit. Contact sales@tcsdentalinc.com for free access within 30 days of your purchase.

Together We Smile

The Together We Smile-TCS Gives Back Charitable Event is an outreach program that travels to remote areas across the globe to deliver partials and dentures to people in need. Although oral care is available to everyone, those who live on low incomes have no real access to proper oral care and treatment. TCS launched Together We Smile to serve those communities and bring happy smiles whenever we can!



TCS Together We Smile was launched in 2018 with its first mission in the Dominican Republic. Partnering with Jack Meibaum and his charity, Mission Para Los Niños, TCS set up a pop-up dental lab to treat and fabricate partials and dentures for over 60 patients. This initiative was repeated in 2019, furthering our commitment to restoring smiles.

In 2022, our team traveled to La Guajira, Colombia, followed by San Andrés, Colombia, in 2023, and Thailand in 2024. Each mission is dedicated to providing as many patients as possible with dentures and partials within a one to one-and-a-half-week timeframe.

Most recently, in early January 2025, our team journeyed to Sangolquí, Ecuador, where we had the privilege of transforming the lives of over 46 patients through our dental care services, creating over 80 appliances in just four days. The work is demanding, with long hours and tireless effort, but the joy and gratitude from our patients make it all worthwhile.

Carol Barros, from Ecuador, along with her family and a group of local volunteers, carried out a patient pre-selection process several months in advance. This preparation ensured that when the full TWS team arrived, the workflow would be more efficient. Mr. Oscar Barros' laboratory (Carol's father) was made available to us throughout the four-day event.

The impression-taking station was set up in an unoccupied community family home. Portable dental chairs were rented, and the space was fully adapted to accommodate all patients. The location was ideal due to its accessibility for those receiving treatment.

The Together We Smile outreach program thrives today thanks to the collaboration of local dentists, technicians, generous dental suppliers, and our incredible volunteers. By working together, we continue to provide life-changing dental solutions to individuals in need, restoring confidence and happiness one smile at a time.







Read more

TCS Authorized Distributors





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