



Dental resins, equipments, and accessories



An ISO 13485 Certified Company

Learn more

**TCS** is a dental manufacturing company dedicated to providing dental laboratories with exceptional quality materials, equipment, and hands-on 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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### 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**<sup>™</sup>

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	<b>22mm</b>
	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
()	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
/	/			4002-JP/S1
/	/	4003-01B/1	4003-01B/15	/
4005-01/LT25-1	4005-01/LNZ25-1			4005-JP/L1
/	/			4002-JP/S2
/	/	4003-01B/2	4003-01B/25	/
4005-01/LT25-2	4005-01/LNZ25-2			4005-JP/L2
/	/			4002-JP/S3
/	/	4003-01B/3	4003-01B/35	/
4005-01/LT25-3	4005-01/LNZ25-3			4005-JP/L3
/	/			4002-JP/S4
/	/	4003-01B/4	4003-01B/45	/
4005-01/LT25-4	4005-01/LNZ25-4			4005-JP/L4
/	/			4002-JP/SN
1	/	4003-01/BN	4003-01/BN5	/
4005-01/LT25-N	4005-01/LNZ25-N			4005-JP/LN





# • 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		<b>25mm</b>	28mm	<b>22mm</b>
	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
	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
(chadeny)	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
/	/			5005-JP/S1
/	/	5003-01B/1	5003-01B/15	
5005-01/LT25-1	5005-01/LNZ25-1			5005-JP/L1
/	/			5005-JP/S2
/	/	5003-01B/2	5003-01B/25	
5005-01/LT25-2	5005-01/LNZ25-2			5005-JP/L2
/	/			5005-JP/S3
/	/	5003-01B/3	5003-01B/35	
5005-01/LT25-3	5005-01/LNZ25-3			5005-JP/L3
/	/			5005-JP/S4
/	/	5003-01B/4	5003-01B/45	
5005-01/LT25-4	5005-01/LNZ25-4			5005-JP/L4
/	/			5005-JP/SN
/	/	5003-01B/N	5003-01/BN5	
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<sup>™</sup>

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	e 25mm		28mm	22mm
	S	2000-01/S2	/	/
Standard Pink (Shade 2)	М	2000-01/M2	/	/
	L	2005-01/L2	/	2005-01/L22-2
	S	2000-01/S4	/	/
Dark Pink (Shade 4)	М	2000-01/M4	/	/
	L	2005-01/L4	/	2005-01/L22-4
	S	2000-01/SN	/	/
Natural (clear) (Shade N)	М	2000-01/MN	/	/
	L	2005-01/LN	/	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
	/			2002-JP/S2
	/	2003-01/B2	2003-01B/25	/
/	/			/
	/			2002-JP/S4
	/	2003-01/B4	2003-01B/45	/
	/			/
/	/			2002-JP/SN
	/	2003-01/BN	2003-01/BN5	/
/	/			1

# TCS Millable Discs

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



Learn more



	Shade	98*20mm	98*25mm
eakable™	<b>Standard Pink</b> (Shade 2)	4000/D98x20-2	4000/D98x25-2
reaka	<b>Light / Dark Pink</b> (Shade 3)	4000/D98x20-3	4000/D98x25-3
Unbi	<b>Natural</b> (Shade N)	4000/D98x20-N	4000/D98x25-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 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 Kits**

Includes all the essentials necessary to process TCS Resins.



**1 x Digital Furnace** 







10 pcs. Palate Wax



10 pcs. Lingual Wax



2 x Injection Flasks



3 pcs. 9.5 Sprue Wax



1 x Carving Knife





10 pcs. Sprue Wax



1 x Fusing Liquid



1 x Cement

2 pks x Unbreakable™ 2 pks x iFlex<sup>™</sup> 2 pks x Karadent<sup>™</sup>



1 x EZ Flow Sample

1 x Knock Out Rod 1 x Knock Out Stand



1 x Mold Release Spray

2 x Thick Bronze Plug 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





10 x Pink Grinding Wheels





TCS Putty (400 gms)



10 x Brown Rubber Wheels

2 x Mini Fuzz Buffs





Note: It is not recommended to inject Karadent<sup>™</sup> by tcs<sup>®</sup> 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)

7000-JP JP90 Injector only



#### **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



### **Matrix Pusher**

Used to facilitate putty application.

7010-JP



### **TCS Putty**

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

4296-01	Base & Catalyst 400gms ea.
4291-01	Base & Catalyst 1kilo ea.
4292-01	Base & Catalyst 5kilo 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



U



1 x Matrix Pusher 5 x Metal Sprues

TCS Putty (400 gms)

2 x Waxed Cases for Practice

#### **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.

1/2 oz

380	1-01	
300	1-01	



3812-01	1/2 oz

tcs

**Fusing Liquid** 

For repairs and additions to



12 oz

tes

**Mold Release Spray** 

Colorless and non-staining

multi-purpose lubricating

spray, used to ease the

purging of the furnace ac-

cessories and TCS cartridges



#### **Hot Air Welder**

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

3714-01





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**







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 very first event in the Dominican Republic. TCS teamed up with Jack Meibaum, who runs a charity called Mission Para Los Niños, and prepared a pop-up lab that could treat and fabricate partials and dentures for over 60 people. This same event was repeated in 2019.

After a long break of no events due to the pandemic, the team returned stronger than ever to complete the next Together We Smile event at La Guajira, Colombia. La Guajira is home to Colombia's largest indigenous population, the Wayuu tribe. The Wayuu indigenous communities suffer a poverty rate of roughly 84% with high infant mortality rates, hunger, and a lack of medical and oral health care. Known for their beautiful artisan hand-woven work they struggle to maintain a healthy lifestyle. With more volunteers than ever before, the Together We Smile team got to help restore the smiles of over 50 patients and created over 64 dentures in only one week!

A Committed Team Together We Smile, 2022 at La Guajira, Colombia

On February 2023, the TCS Together We Smile travelled to San Andres, a coral island in the Caribbean Sea politically part of Colombia and historically tied to the United Kingdom. The Island was declared a UNESCO Biosphere Reserved named "Safflower Biosphere Reserve" to ensure the ecosystem is well preserved. After the 2020 Hurricane lota, 98% of the Island's infrastructure was damaged. Water and sanitation weakened and health and education installations were left safe for use. The population already suffered a high poverty rate and limited oral care support. The team has prepared all the necessary materials at a nearby clinic, Credident, to create dentures and partials for more than 100 people with low income in need of dentures/partials.

The Together We Smile outreach program thrives today thanks to its collaboration with local dentists, technicians, generous dental suppliers, and our incredible volunteers.

with low income in need of dentures/partials.







A patient's smile after receiving his partial denture. Together We Smile, 2022 at La Guajira, Colombia

**Read more** 

### **TCS Authorized Distributors**





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