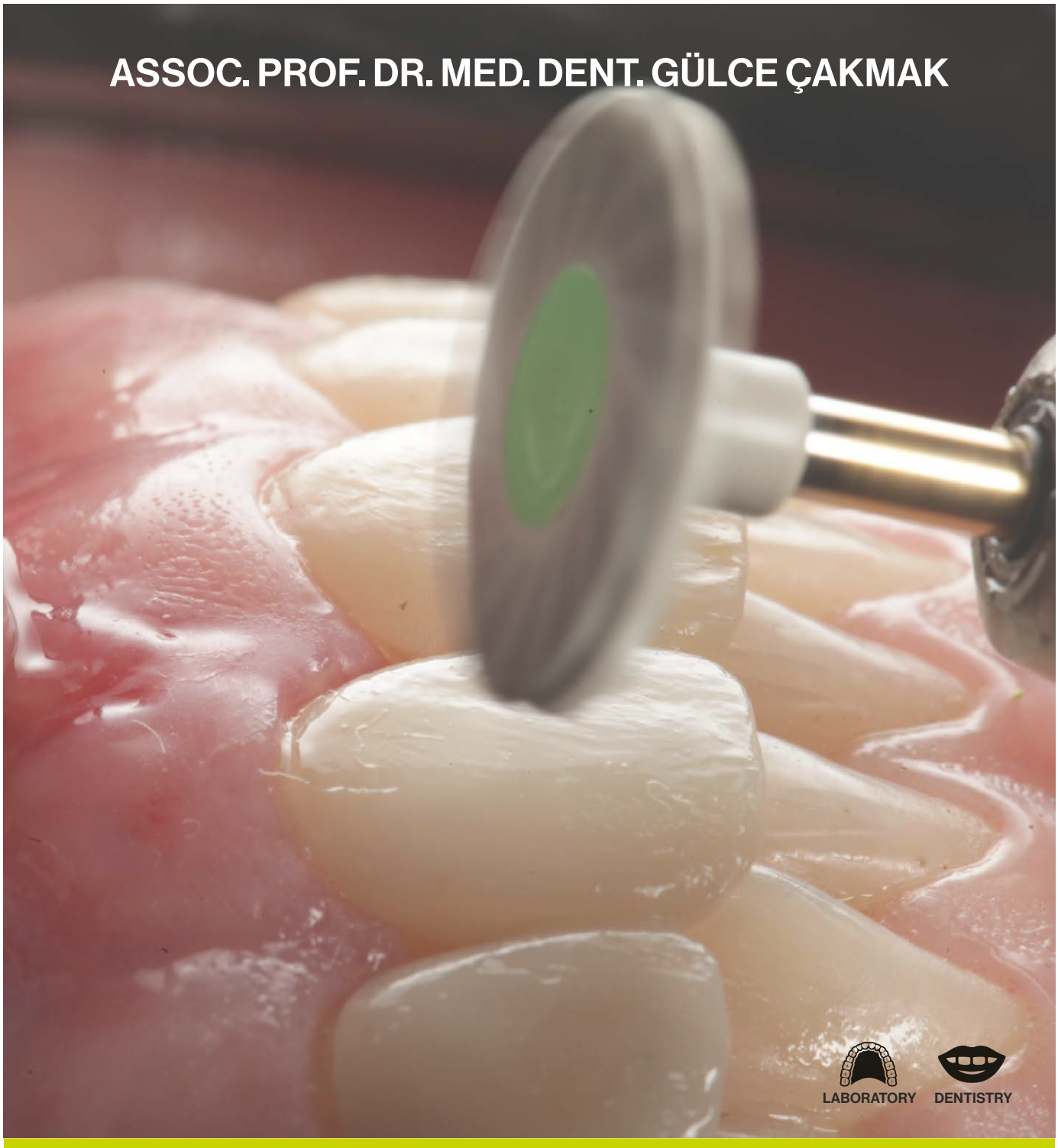
3D PRINTED RESTORATIONS FINISHING & POLISHING KITS

kit 1540 | 1541 | 1542

precise and modular solutions for laboratories and dental practices



Associate Professor Gülce Çakmak, D.D.S., is the director of the Laboratory for Digital Dental Technology and a senior research fellow specializing in digital workflows and materials for implantology and prosthodontics.

GÜLCE ÇAKMAK

ASSOC. PROF. DR. MED. DENT.

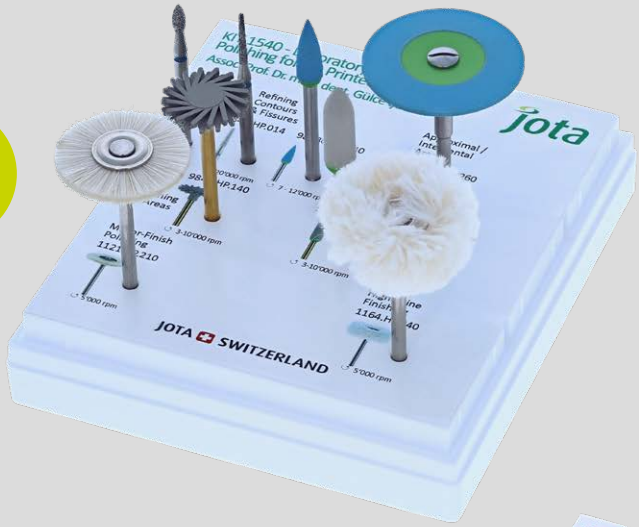
MODULAR SYSTEM

SCIENTIFIC PRECISION MEETS PRACTICAL EFFICIENCY

Three innovative kits — developed in collaboration with **ASSOC. PROF. DR. MED. DENT. GÜLCE ÇAKMAK** and **JOTA AG** — make the post-processing of 3D-printed composite and hybrid composite restorations faster, smoother, and efficient both chairside and in the lab.

MODULAR SYSTEM
The **Lab Kit 1540** pairs seamlessly with **Basic 1541** or **Professional 1542**, enabling smooth workflows from the lab straight to chairside.

1



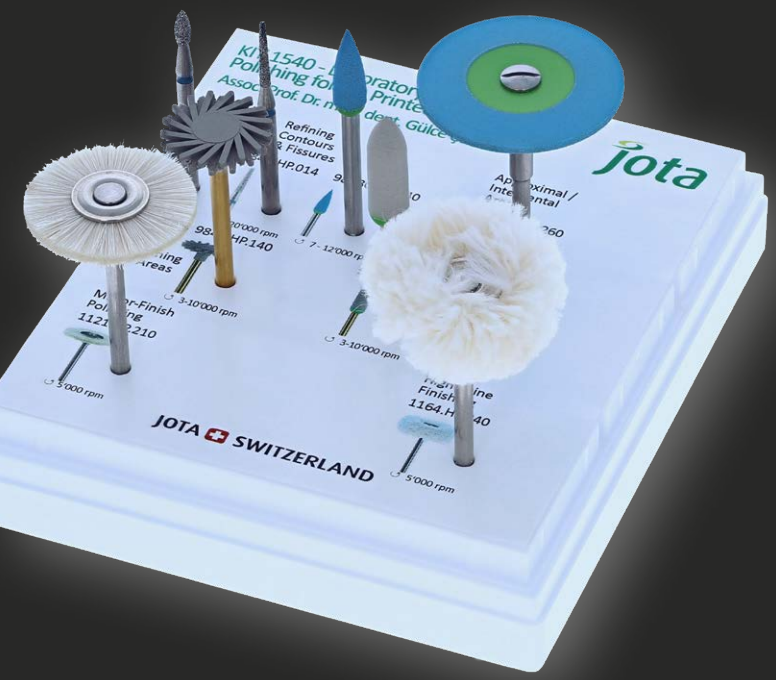
2

3

01

OVERVIEW KIT 1540

LABORATORY FINISHING & POLISHING KIT FOR 3D PRINTED RESTORATIONS



HIGHLIGHTS

REMOVES SUPPORT STRUCTURES & EXCESS MATERIAL

REFINES FINE ANATOMICAL DETAILS

CREATES NATURAL SURFACE TEXTURE

HIGH-GLOSS POLISHING FOR BRILLIANT LIGHT REFLECTION

THE LAB KIT OFFERS THE PERFECT COMBINATION OF COARSE AND FINE FINISHING, SURFACE TEXTURING, AND HIGH-GLOSS POLISHING. IDEAL FOR POST-PRINT PROCESSING.

APPLY LIGHT INTERMITTENT STROKES TO PREVENT OVERHEATING

1 DETAILS

KIT1540

DIAMOND INSTRUMENT
INITIAL SHAPING &
SUPPORT REMOVAL
830.HP.023
↻20'000

Use for gross reduction after post-curing. Maintain light, continuous contact to prevent chatter marks or melting. Keep handpiece moving; avoid long pressure in one spot.

POLISHER
CHARACTERIZATION &
SURFACE TEXTURE
9803G.HP.040
↻7'000-12'000

Perfect for creating enamel-like surface texture. Adjust pressure to vary depth of micro-grooves. Always clean surface with air before moving to next step.

DIAMOND INSTRUMENT
REFINING CONTOURS &
FISSURES
848.HP.014
↻20'000

Ideal for defining anatomy and occlusal fissures. Employ feather-touch pressure for precise refinement without overcutting.

POLISHER
APPROXIMAL &
INTERDENTAL
POLISHING
9801G.HP.260
↻5'000-10'000

Excellent for polishing tight embrasures and bridge connectors. Use edge of disc gently; let flexibility guide you. Avoid direct pressure on margins.

POLISHER
PRE-POLISHING &
UNIFORM SURFACE
SMOOTHING
9840.HP.140
↻3'000-10'000

Diamond-impregnated — removes micro-scratches and creates even density. Operate at light pressure. Move continuously and evenly to prevent overheating.

GOAT HAIR POLISHER
MIRROR & HIGH-SHINE
POLISHING
1121.HP.210
↻5'000

Goat hair polishing wheel for mirror gloss step. No need to use fine diamond or resin paste, but paste can be used if desired. Apply light, intermittent strokes to prevent overheating.

POLISHER
CHARACTERIZATION &
SURFACE TEXTURE
9835.HP.050
↻3'000-10'000

Diamond-impregnated — gives a satin, semi-gloss surface. Uniform passes ensure even reflection before buffing.

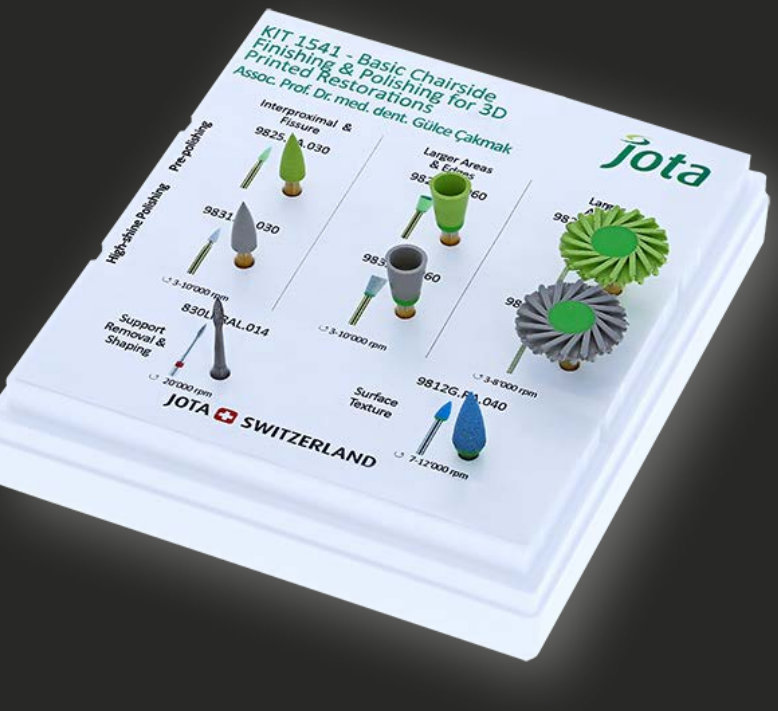
BUFFING WHEEL
HIGH SHINE-FINISHING
1164.HP.240
↻5'000

Buff polishing wheel. No need to use fine diamond or resin paste. Apply light, intermittent strokes to prevent overheating.

02

OVERVIEW KIT 1541

BASIC CHAIRSIDE FINISHING & POLISHING KIT FOR 3D PRINTED RESTORATIONS



HIGHLIGHTS

FINE POLISHING & HIGH GLOSS IN JUST A FEW STEPS

PRECISE TREATMENT ON OCCLUSAL, APPROXIMAL & VESTIBULAR SURFACES

COMPACT KIT FOR QUIK AND EFFICIENT CHAIRSIDE TREATMENT.

- SLIGHT WATER COOLING TO PREVENT OVERHEATING

2 DETAILS

KIT1541

DIAMOND INSTRUMENT
INITIAL SHAPING &
SUPPORT REMOVAL
830LF.RAL.014
↻20'000

Use for initial contouring and removal of support structures after post-curing. Maintain light, sweeping motion to avoid heat build-up or chatter marks.

POLISHER
PRE-POLISHING
(INTERPROXIMAL &
FISSURE AREAS)
9825.RA.030
↻3'000-10'000

Pre-polishing for interproximal areas and defines occlusal fissures and anatomical detail. Removes fine irregularities and blends surfaces before high-shine polishing.

POLISHER
REFINING CONTOURS &
FISSURES
9812G.RA.040
↻7'000-12'000

Perfect for creating enamel-like surface texture. Adjust pressure to vary depth of micro-grooves. Always clean surface with air before moving to next step.

POLISHER
PRE-POLISHING
(LARGER AREAS)
9826.RA.060
↻3'000-10'000

Pre-polishing for larger areas. Removes fine irregularities and blends surfaces before high-shine polishing.

POLISHER
PRE-POLISHING (LARGER, FLAT, OR CONVEX AREAS)
9829.RA.140
↻8'000

Pre-polishing for large, flat or convex surfaces. Ensures even, satin finish before final polish.

POLISHER
HIGH-SHINE POLISHING (LARGER AREAS)
9832.RA.060
↻3'000-10'000

High-shine polishing for larger areas. Removes fine scratches and preps surface for high-shine polish.

POLISHER
HIGH-SHINE POLISHING (INTERPROXIMAL AREAS AND FISSURES)
9831.RA.030
↻3'000-10'000

High-shine polishing for interproximal areas and defines occlusal fissures and anatomical detail. Removes fine irregularities and blends surfaces before high-shine polishing. Light touch ensures safe polishing of delicate edges.

POLISHER
HIGH-SHINE POLISHING (LARGER AREAS)
9837.RA.140
↻3'000-8'000

High-shine for large, flat or convex surfaces. Ensures even, satin finish before final polish.

03

OVERVIEW KIT 1542

PROFESSIONAL CHAIRSIDE FINISHING & POLISHING FOR 3D PRINTED RESTORATIONS

HIGHLIGHTS

SHAPE, TEXTURE & HIGH GLOSS FOR EVERY ZONE

PRECISE TREATMENT ON OCCLUSAL, APPROXIMAL & VESTIBULAR SURFACES

DEEP GLOSS & NATURAL SURFACE TEXTURE

COMPREHENSIVE CHAIRSIDE KIT FOR MAXIMUM CONTROL AND PERFECT AESTHETICS – SUITABLE FOR ALL ANATOMICAL RESTORATIONS.

- SLIGHT WATER COOLING TO PREVENT OVERHEATING

3 DETAILS

KIT1542

DIAMOND INSTRUMENT
INITIAL SHAPING &
SUPPORT REMOVAL
830LF.RAL.014
↻20'000

Use for initial contouring and removal of support structures after post-curing. Maintain light, sweeping motion to avoid heat build-up or chatter marks.

POLISHER
PRE-POLISHING
(LARGER AREAS &
MARGINS)
9828.RA.040
↻3'000-10'000

High-shine polishing for larger areas. Removes fine scratches and preps surface for high-shine polish.

POLISHER
REFINING CONTOURS &
FISSURES
9812G.RA.040
↻7'000-12'000

Perfect for creating enamel-like surface texture. Adjust pressure to vary depth of micro-grooves. Always clean surface with air before moving to next step.

POLISHER
PRE-POLISHING
(INTERPROXIMAL &
FISSURE AREAS)
9825.RA.030
↻3'000-10'000

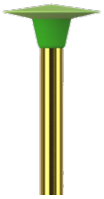
Pre-polishing for interproximal areas and defines occlusal fissures and anatomical detail. Removes fine irregularities and blends surfaces before high-shine polishing.

POLISHER
PRE-POLISHING
(LARGER AREAS)
9826.RA.060
↻3'000-10'000

Pre-polishing for the occlusal areas.

POLISHER
PRE-POLISHING &
SURFACE
CHARACTERIZATION
9827.RA.100
↻3'000-10'000

Pre-polishing and adding enamel-like surface texture for improved esthetics. Adjust contact angle to vary depth and pattern.



POLISHER
HIGH-SHINE POLISHING
(INTERPROXIMAL AREAS
AND FISSURES)
9765M.RA.055
↻3'000-8'000

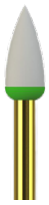
High-shine polishing for interproximal areas and defines occlusal fissures and anatomical detail. Removes fine irregularities and blends surfaces before high-shine polishing. Light touch ensures safe polishing of delicate edges.

POLISHER
PRE-POLISHING
(LARGER, FLAT, OR
CONVEX AREAS)
9829.RA.140
↻8'000

Pre-polishing for large, flat or convex surfaces. Ensures even, satin finish before final polish.

POLISHER
HIGH-SHINE POLISHING (LARGER AREAS & MARGINS)
9834.RA.040
↻3'000-10'000

High-shine-polishing for larger areas and refining margins. Removes fine irregularities and blends surfaces before high-shine polishing.



POLISHER
HIGH-SHINE POLISHING (LARGER AREAS)
9832.RA.060
↻3'000-10'000

High-shine polishing for larger areas. Removes fine scratches and preps surface for high-shine polish.w

POLISHER
HIGH-SHINE POLISHING (INTERPROXIMAL AREAS AND FISSURES)
9831.RA.030
↻3'000-10'000

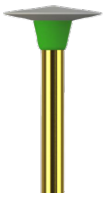
High-shine polishing for interproximal areas and defines occlusal fissures and anatomical detail. Removes fine irregularities and blends surfaces before high-shine polishing. Light touch ensures safe polishing of delicate edges.

POLISHER
HIGH-SHINE POLISHING (OCCLUSAL AREAS)
9765F.RA.055
↻3'000-8'000

High-shine polishing for the occlusal areas.

POLISHER
HIGH-SHINE POLISHING & SURFACE CHARACTERIZATION
9833.RA.100
↻3'000-10'000

High-shine polishing and adding enamel-like surface texture for improved esthetics.



POLISHER
HIGH-SHINE POLISHING (LARGER AREAS)
9837.RA.140
↻3'000-8'000

High-shine for large, flat or convex surfaces. Ensures even, satin finish before final polish.

04

SUMMARY

REFILL & ORDER INFORMATION

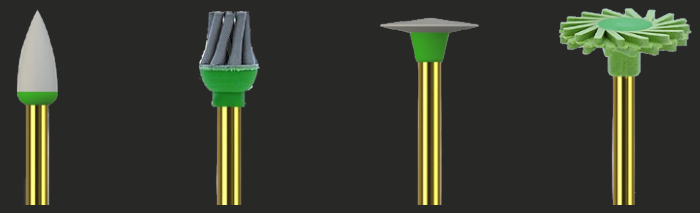
REFERENCE	806 104 257 524	803 104 243 534	806 104 173 524	803 104 303 534	803 104 543 503	090 104 543 000
MATCHCODE	830.HP.023	9803G.HP.040	848.HP.014	9801G.HP.260	9840.HP.140	1121.HP.210
RPM	20'000	7'000-12'000	20'000	5'000-10'000	3'000-10'000	5'000

REFERENCE	803 104 292 502	080 104 045 004	806 205 258 514	803 204 243 525	803 204 243 534	803 204 030 525
MATCHCODE	9835.HP.050	1164.HP.240	830LF.RAL.014	9825.RA.030	9812GRA.040	9826.RA.060
RPM	3'000-10'000	5'000	20'000	3'000-10'000	7'000-12'000	3'000-10'000

SUMMARY

REFILL & ORDER INFORMATION

REFERENCE	803 204 243 525	803 204 030 502	803 204 243 502	803 204 543 503	803 204 304 525	803 204 000 525
MATCHCODE	9828.RA.040	9832.RA.060	9831.RA.030	9837.RA.140	9827.RA.100	9765M.RA.055
RPM	3'000-10'000	3'000-10'000	3'000-10'000	3'000-8'000	3'000-10'000	3'000-8'000



REFERENCE	803 204 243 502	803 204 000 502	803 204 304 502	803 204 543 525
MATCHCODE	9834.RA.040	9765F.RA.05	9833.RA.100	9829.RA.140
RPM	3'000-10'000	3'000-8'000	3'000-10'000	8'000

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