4R

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Role

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Orthodontic Lab Technician

Accurate appliances keep orthodontic treatment moving.

Team
Clinical

Reports to
Clinical Coordinator

Inside
4R, interview guide, 90-day plan, job post

R1 The role

As the Orthodontic Lab Technician at [Practice Name], you turn the orthodontist's prescriptions and patient records into accurately made, clearly labeled appliances. You are part of the Clinical team and report to the Clinical Coordinator, working closely with the orthodontist, clinical assistants, and outside labs. Your work supports timely retainer delivery after debonds, appliance readiness for treatment visits, and organized aligner case handling. This seat exists to protect appliance quality and keep avoidable lab delays from disrupting patient care.

R2 Responsibilities

Appliance Production

- Fabricate retainers and other prescribed orthodontic appliances using the practice's approved materials, methods, and doctor instructions.
- Prepare physical or printed models from approved impressions or digital scans, checking patient identifiers and arch labels before production.
- Trim, finish, and polish appliances to the prescribed design, checking for rough edges, cracks, and visible defects before clinical review.
- Complete prescribed appliance repairs or remakes after confirming the instructions and delivery deadline with the Clinical Coordinator.

Case Tracking

- Review the upcoming debond, retainer delivery, and appliance appointment schedule with the Clinical Coordinator to set daily lab priorities.
- Verify that each lab order includes the patient identifiers, required records, doctor prescription, and due date before starting work.
- Track in-house and outside lab cases on the pending list, recording their status, expected arrival, and any missing information.
- Notify the Clinical Coordinator promptly when incomplete records, production problems, or shipping delays could affect a patient appointment.

Quality and Handoffs

- Compare completed appliances with the prescription and model, documenting checks and routing concerns to the orthodontist before delivery.
- Label and organize retainers, aligner shipments, and other appliances by patient and prescribed sequence to prevent mix-ups.
- Record fabrication details, materials, outside lab communications, and remake reasons in the approved patient record or lab tracking system.
- Coordinate appliance handoffs with clinical assistants so the treating clinician can assess fit and approve delivery to the patient.

Lab Safety and Readiness

- Follow the practice's infection prevention procedures when receiving, disinfecting, handling, and storing impressions, models, and appliances.
- Use required protective equipment and dust control measures when trimming models, polishing appliances, or handling lab materials.
- Clean and maintain lab equipment according to manufacturer instructions, documenting checks and reporting problems before further use.
- Monitor retainer materials, model supplies, and other lab inventory, requesting replenishment before scheduled cases are affected.

R3 Results at 90 days

Appliances Ready on Time	Prescribed appliances are complete and available for clinical review before the scheduled delivery visit. Measure: The Clinical Coordinator reviews the case log against appointment dates weekly, targeting [goal] % ready by the agreed deadline.
Consistent Appliance Quality	Completed retainers and other appliances meet the prescription and lab quality checklist before clinical handoff. Measure: The orthodontist reviews appliance quality and tracks lab-related remakes monthly, targeting no more than [goal] % of completed cases.
Complete Traceable Lab Cases	Each case has accurate patient identifiers, a doctor prescription, current status, and documented quality checks. Measure: The Clinical Coordinator audits [number] cases per week, targeting [goal] % with all required documentation.
Early Delay Communication	Potential delays reach the Clinical Coordinator early enough to plan the next step before the affected appointment. Measure: The Clinical Coordinator reviews flagged cases weekly, targeting [goal] % reported within [number] business hours of discovery.
Safe Reliable Lab Operations	The lab stays clean, equipment stays ready, and essential supplies remain available for scheduled production. Measure: The Clinical Coordinator reviews safety, maintenance, and inventory checklists weekly, targeting [goal] % completion and no more than [number] supply-related interruptions per month.

R4 Requirements

Essential skills

- **Appliance fabrication.** Read orthodontic prescriptions and use precise hand skills to make, finish, and inspect retainers and other assigned appliances.
- **Digital and model workflow.** Work accurately with impressions, scans, physical models, and the lab software or printing equipment used by the practice.
- **Case organization.** Track due dates, label patient cases correctly, and maintain clear records across in-house and outside lab work.
- **Safety and communication.** Follow lab infection prevention and equipment procedures, and explain missing records, defects, or delays clearly to the clinical team.

Qualifications

- Any license, certification or registration your state requires for this role
- Hands-on dental or orthodontic lab experience, or relevant lab training with supervised appliance fabrication practice.
- Experience following written prescriptions, documenting case work, and protecting confidential patient information.
- Ability to demonstrate careful use of small tools and willingness to complete training on the practice's materials, equipment, and workflows.

Attributes

- Detail-minded enough to catch a wrong arch label or rough edge before a case leaves the lab.
- Dependable about deadlines and willing to speak up early when a case needs help.
- Open to feedback, patient with precise work, and ready to support teammates when priorities change.

Interview guide

Six questions tied to the 4R. Ask for a real example every time, then check the answer against R3.

01 Appliance Quality

Tell us about a retainer or other dental appliance you made that did not pass its first quality check, what you found, how you corrected it, and what happened next.

Listen for: A strong answer shows honest ownership, systematic inspection, appropriate clinical review, and a specific change that reduced repeat errors.

02 Competing Case Deadlines

Describe a time several lab cases were due together, including an urgent case, and explain how you set priorities and communicated what could be completed.

Listen for: A strong answer shows coordination with the clinical lead, realistic timing, and protection of quality rather than shortcuts.

03 Incomplete Lab Records

Tell us about a time a prescription, impression, or scan was incomplete or unclear and walk us through what you did before proceeding.

Listen for: A strong answer shows that the candidate stopped to clarify instructions with the appropriate clinician instead of guessing or changing the prescription.

04 Patient Case Accuracy

Describe a time you caught a patient identification, arch, or appliance sequence error and explain how you corrected the records and prevented a mix-up.

Listen for: A strong answer shows deliberate identity checks, prompt reporting, accurate documentation, and a practical prevention step.

05 Safe Lab Practices

Tell us about a time you found an equipment problem or unsafe handling practice in a lab or training setting and explain how you responded.

Listen for: A strong answer shows recognition of risk, appropriate steps to stop unsafe work, communication with a supervisor, and safe return to production.

06 Learning From Feedback

Describe a time a doctor, lead, or instructor asked you to change your fabrication technique and explain how you practiced the change and checked your progress.

Listen for: A strong answer shows curiosity, willingness to accept correction, and evidence that the revised technique improved the work.

90-day training plan

Hand this to your new hire on day one. Training starts on the hire date and runs through a 90-day review against R3.

Days 1 to 30

Learn Safe Lab Foundations

- Train with the Clinical Coordinator on lab workflow, patient identification, prescription review, infection prevention, protective equipment, and escalation procedures.
- Shadow the lead lab technician or designated clinical lead through retainer fabrication, model preparation, outside lab tracking, and handoffs for debond visits.
- Complete supervised practice cases and equipment checks, with the Clinical Coordinator reviewing documentation and quality before assigning patient production work.

Days 31 to 60

Build Consistent Case Ownership

- Produce assigned retainers and other trained appliance types under the lead lab technician or designated clinical lead, with review before clinical handoff.
- Manage a defined portion of the pending list with the Clinical Coordinator, confirming due dates and flagging incomplete records or late outside lab cases.
- Review weekly quality findings, remake causes, and production timing with the Clinical Coordinator, then practice the specific skills needing improvement.

Days 61 to 90

Demonstrate Reliable Daily Production

- Run the assigned daily lab workload with the Clinical Coordinator available for escalation, keeping production within demonstrated skills and doctor prescriptions.
- Demonstrate complete case tracking, safe equipment care, and timely appliance handoffs during a competency review led by the Clinical Coordinator.
- Review the five expected outcomes with the Clinical Coordinator and orthodontist, confirm readiness for routine work, and set the next training goals.

90-day review date: [date] **Trainer:** [name]

Team member signature _____ Date _____

Manager signature _____ Date _____

Job post, ready to publish

Fill in the brackets and post it on Indeed, your website and your social pages.

Now hiring

[Practice Name] is hiring an Orthodontic Lab Technician

A well-made retainer may be small, but it plays an important part in protecting a patient's new smile. At [Practice Name], you'll join our Clinical team, report to the Clinical Coordinator, and help turn the orthodontist's instructions into appliances that are ready when patients need them.

You're a fit if

- You enjoy precise, hands-on work and notice the rough edge others might miss.
- You like a clearly labeled case more than a good guessing game.
- You keep track of deadlines and speak up early when something could run late.
- You welcome feedback and want to keep improving your lab skills.
- You bring a kind, steady attitude and appreciate a little laughter with your teamwork.

What you'll do

- Make, finish, and inspect retainers and other prescribed orthodontic appliances.
- Prepare models and keep patient records, prescriptions, and case labels matched correctly.
- Track lab cases and coordinate with clinical teammates so appliances are ready for debond and delivery visits.
- Keep the lab clean, equipment maintained, and supplies ready for the next case.

What we offer

- Pay: [pay range].
- Benefits: [benefits].
- Work schedule and location: [schedule] at [location].
- Training and development: [training and continuing education support].

Please send your resume and a short introduction about your lab experience through [how to apply].