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BUFFALO DENTAL MANUFACTURING

V35E

ENCLOSED HANDPIECE

ADVANCED CONTAINMENT, FUTURE-READY SAFETY.

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Buffalo Dental Manufacturing

www.buffalodental.com

About Us

Buffalo Dental Manufacturing is dedicated to providing high-quality dental products that enhance the practice of dentistry. With a commitment to innovation and excellence, we strive to support dental professionals with reliable solutions tailored to their needs.

Our dedicated team ensures every product meets the highest quality standards. We strive to enhance patient care through exceptional dental manufacturing. Discover our superior tools designed to elevate your cutting experience and exceed your expectations

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Why Upgrade To The *V35E ENCLOSED HANDPIECE*

Safety and Toxin Prevention

The Buffalo V35E's enclosed design traps harmful particles and toxins from 3D prosthetics, ensuring a safer workspace.

Built-In Filtration System

The V35E's integrated filtration system captures debris by circulating it in a closed environment, stopping it from escaping into open air.

Advanced Dental Technology

The V35E offers precise control, faster workflow, and long-lasting performance in a compact, easy-to-use design—helping labs work more efficiently and affordably.

PLAY IT SAFE.
CHOOSE THE
ENCLOSED V35E.

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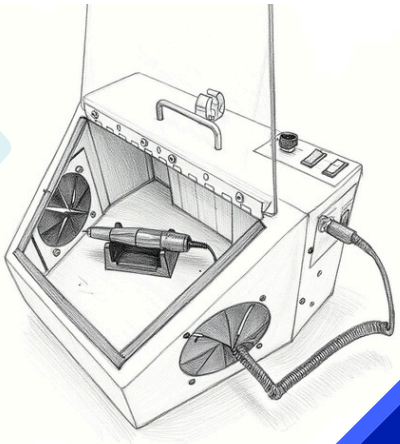
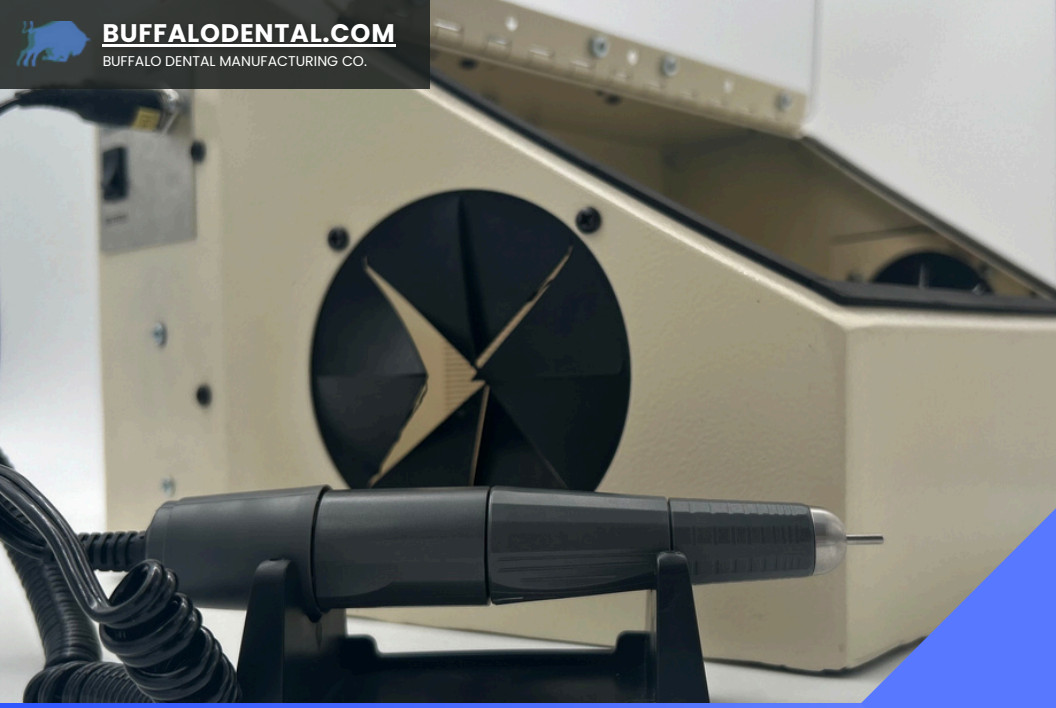




3D PRINTER PROBLEMS & OUR SOLUTION

3D-printed dental prosthetics are advancing quickly, but while the surface is safe, the interior may contain partially cured material. Grinding or finishing can release residual toxins, posing health risks without proper protection.

OUR IDEA

Fully enclosed micromotor that protects from harmful particles released during 3D prosthetic grinding and finishing.

PREVENTION

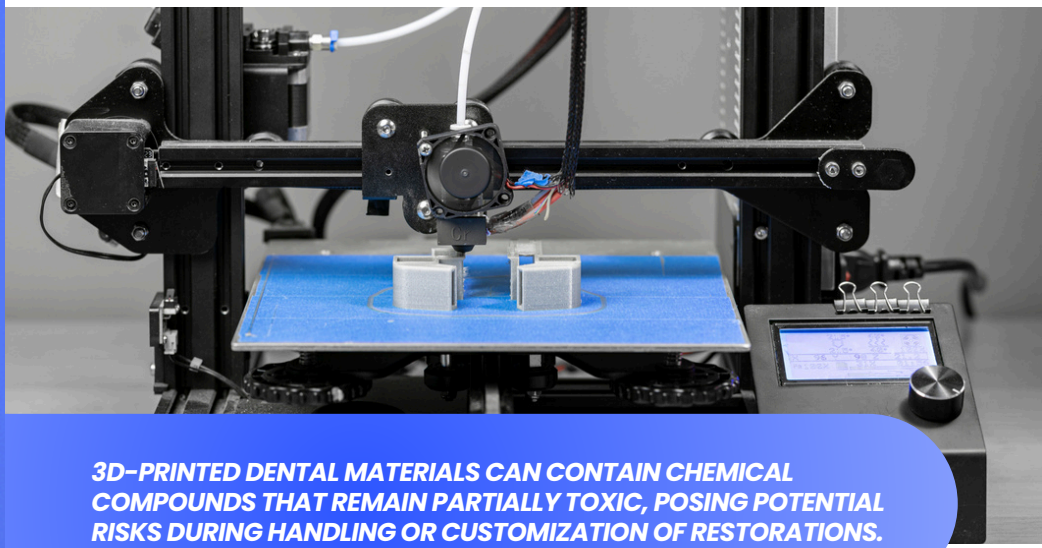
The Buffalo V35E's enclosed design contains dust, fumes, and toxins from 3D prosthetics, ensuring a safer workspace.

WHY V35E?

The Buffalo V35E delivers precision, speed, and durability in a compact design for efficient, affordable lab work.

DEGREE OF CONVERSION IN 3D PRINTED PROSTHETICS

Buffalo Dental Research Analysis



3D-PRINTED DENTAL MATERIALS CAN CONTAIN CHEMICAL COMPOUNDS THAT REMAIN PARTIALLY TOXIC, POSING POTENTIAL RISKS DURING HANDLING OR CUSTOMIZATION OF RESTORATIONS.

The chemistry of 3D-printed dental materials involves several potentially toxic compounds that may remain in the final product. When grinding or customizing restorations, these substances can appear in dust particles. Safety Data Sheets often list ingredients as “Proprietary,” so exact compositions are unknown.

Common chemicals include phosphine oxides and acrylic monomers. The Degree of Conversion—the percentage of monomer polymerized—typically ranges from 50–80%, meaning unreacted, toxic monomers may remain. Post-curing can improve conversion but does not eliminate all residues.

Photo-initiators and phosphine compounds often persist in the cured material, as they are not fully consumed or removed during processing. Post-curing and washing can reduce, but not completely eliminate, their presence—especially below the surface.

DON'T WAIT

Protect Your Workspace & Team Today

Safety Designed For You.

EXPERIENCE THE ULTIMATE
SAFETY, CLEANLINESS & EFFICIENCY

Elevate Your Dental Manufacturing To The Next Level

BUY NOW

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