



CertainTeed
Consulting & Laboratory

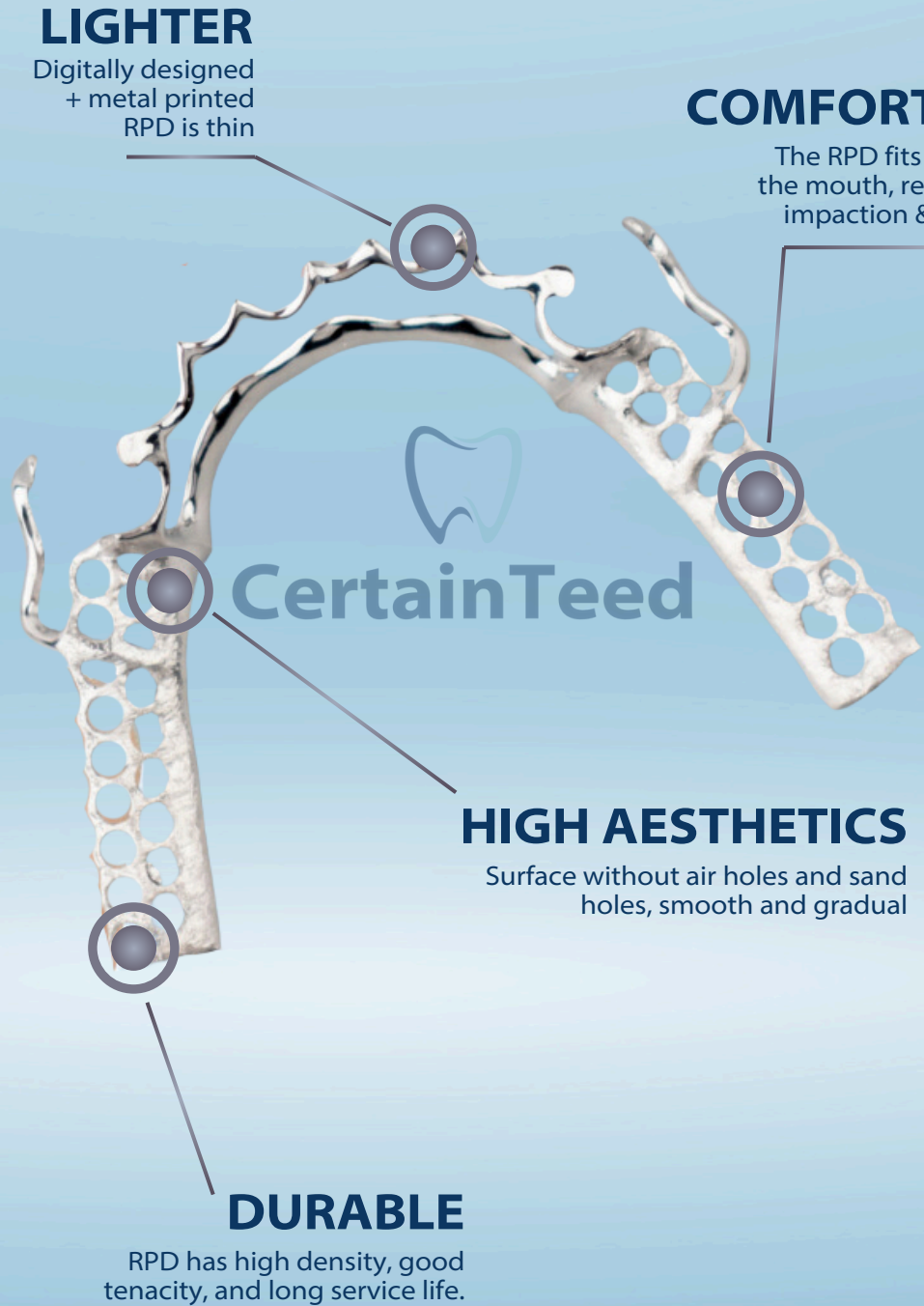
Certain Quality. Guaranteed Results.

3D PRINTED

CoCr Partial Framework

www.certainteedconsultingandlab.com | 219-393-8661

3D PRINTED CoCr Partial Framework



LIGHTER

Digitally designed
+ metal printed
RPD is thin

COMFORTABLE

The RPD fits perfectly on
the mouth, reducing food
impaction & tenderness

HIGH AESTHETICS

Surface without air holes and sand
holes, smooth and gradual

DURABLE

RPD has high density, good
tenacity, and long service life.

COMPARISON of traditional RPDs and 3D printed ones



Hand-casting RPD

Low efficiency and slow production.

Complex and demanding manufacturing process with a long production cycle.

Poor casting flow that is prone to defects such as sand inclusions and air pockets, susceptible to breakage.

Low precision, easily misaligned with low fit accuracy.

Thicker profile and thickness exceeding 0.6mm.

Material wastage, significant waste and environmental pollution.

High release of casting metal ions and relatively poor biocompatibility.

3D Printed RPD

High-efficiency, twice as fast as traditional casting.

Streamlined production process.

No casting steps, free from sand inclusions and air pockets, excellent plasticity and elasticity.

High precision, capable of intricate and precise structures with high fit accuracy.

Lightweight and thin with wall thickness as low as 0.3mm.

Material conservation and environmentally friendly.

Highly compatible biological systems.

