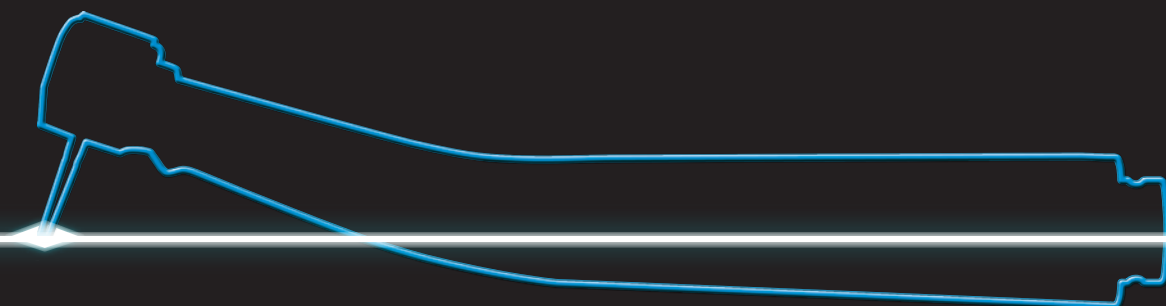


Air Turbine Handpiece

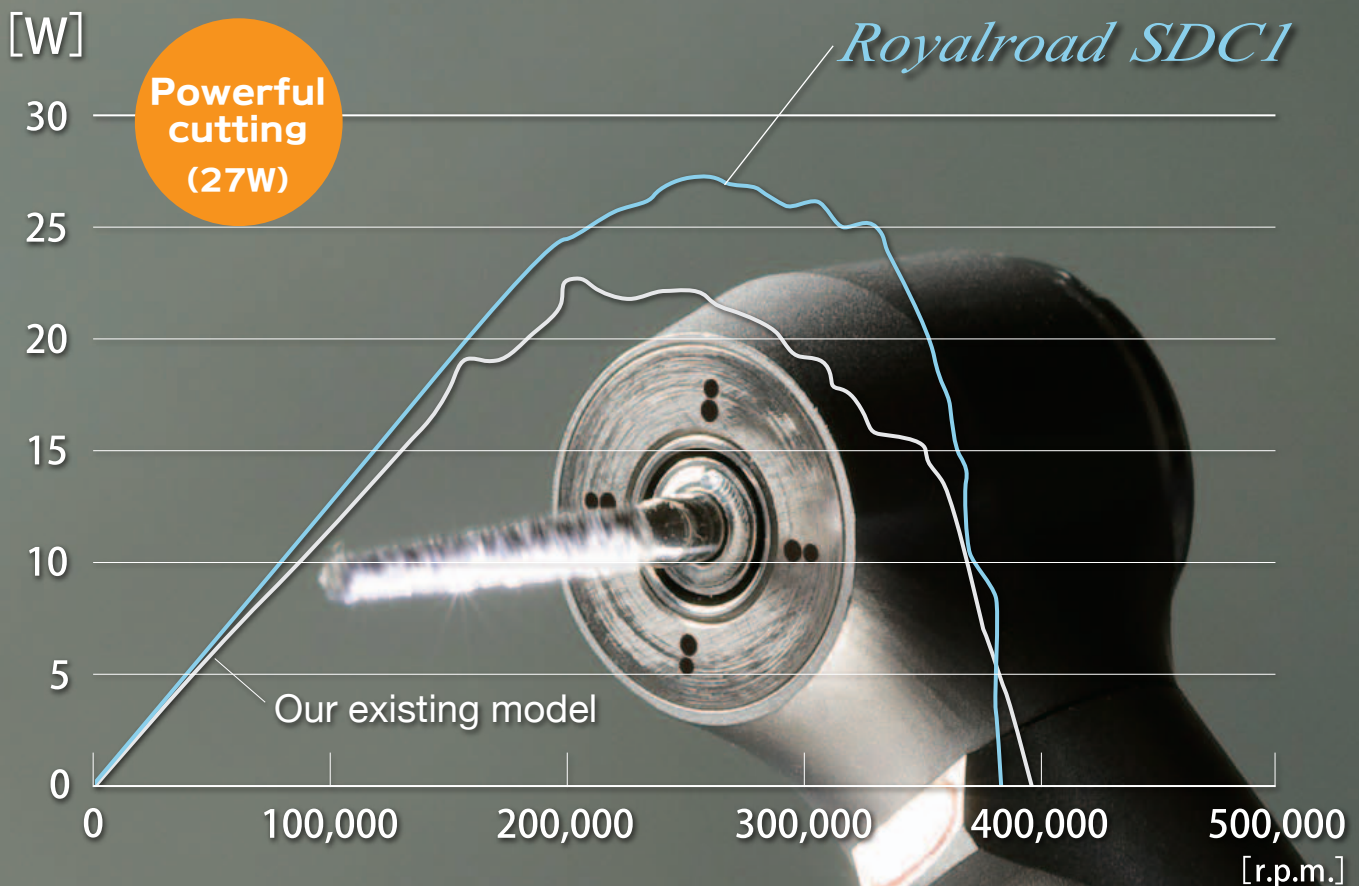
Royalroad SDC1

Super Dynamic Charger



Serves all needs

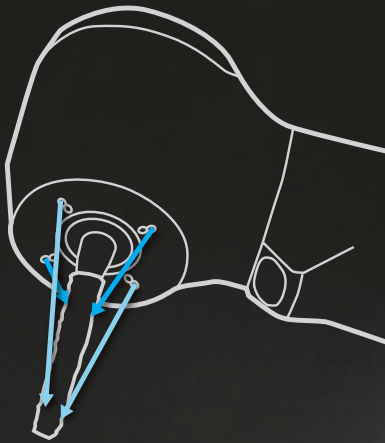
“Cutting power certainly isn’t everything
but it surely is a **great-to-have** feature!”



Royalroad delivers powerful torque and can be utilized for all types of treatment.

- Cavity preparation, removal of resin or inlay, or whatever is required for the handpiece, Royalroad can do and more.
- Power brings additional benefits as it leads to the efficiency in the treatment resulting in reduced chair time...time that is valuable for both the doctor and the patient.

“Optimum Spray System is one of the most important aspects of a handpiece performance.”



**MULTI
JET
SPRAY**

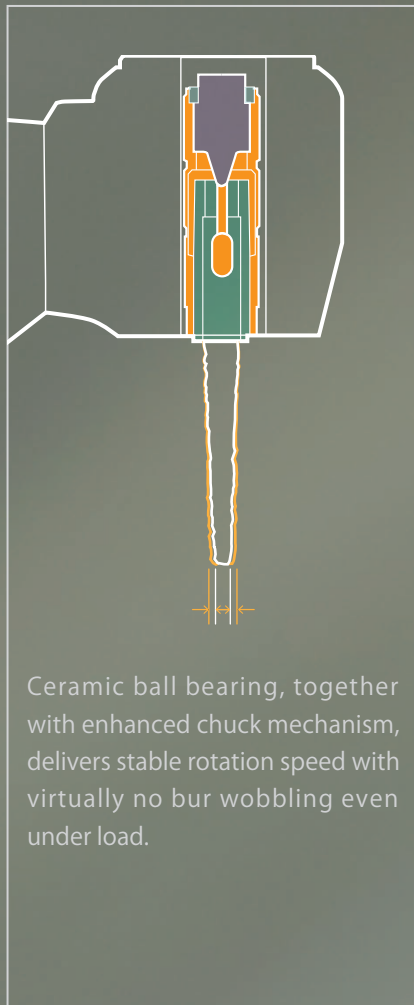
Royalroad provides excellent bur cooling effect on all types of bur by its revolutionary two-tier spray system, **“Multi Jet Spray”**.



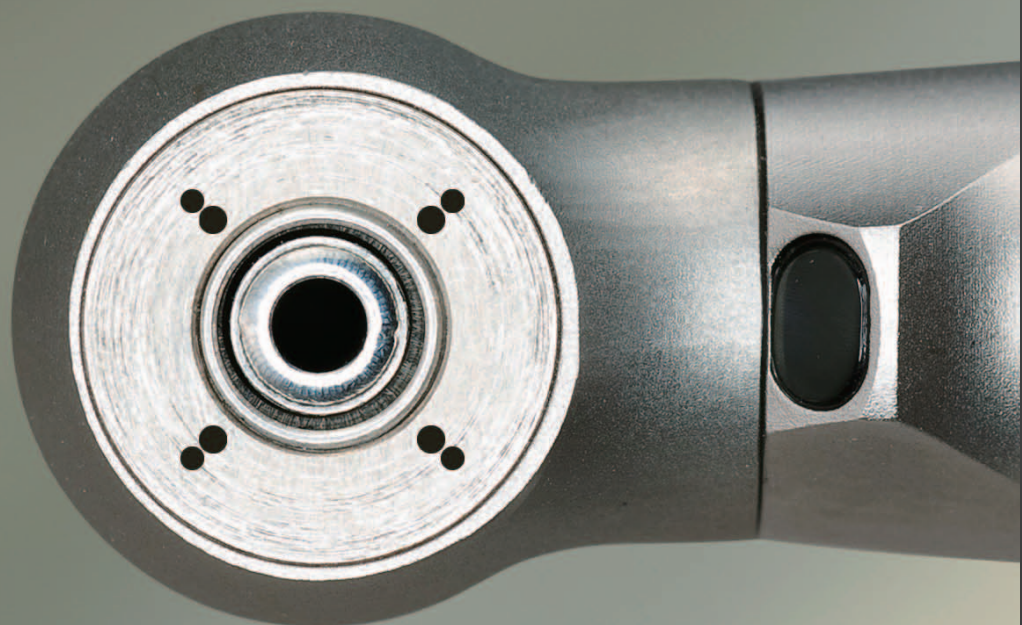
This “Multi Jet Spray” provides many more positive effects besides keeping the bur and the working point cooler.

- Effectively washes away the cutting debris and consequently prolongs the serving life of the bur resulting in the lowered cost.
- Hits the bur at a sharp angle to keep the mist from scattering, giving a clear view of the work site while eliminating the patient’s discomfort from the scattering water around the mouth.

*“Getting the **most** out of a **handpiece** requires more than powerful cutting and optimum cooling effect.”*



Ceramic ball bearing, together with enhanced chuck mechanism, delivers stable rotation speed with virtually no bur wobbling even under load.

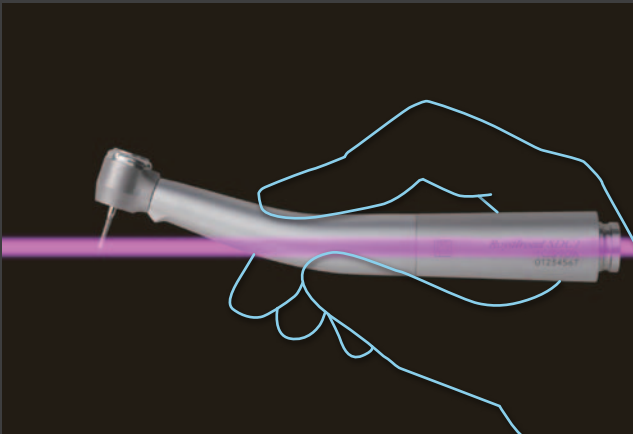


Royalroad has succeeded in achieving high torque with very little wobbling (0.25mm) ensuring the smooth finish of cutting surface.

- The doctor feels virtually no chattering of the handpiece while performing superior preparation work with ease.

“Is that all?”

– No! Royalroad has many more *benefits...*



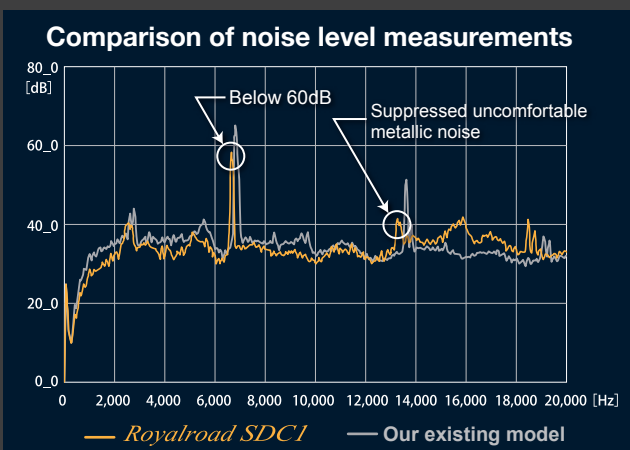
Body Contour that offers more than just beauty.

Non-slip grip with calculated angle nicely rests in the hand of the doctor, giving perfect control for precise work while reducing stress on the operator's hand even with the hose connected. It is well-designed to keep balance for high operability.



Lights up the way.

The LED light feature of Royalroad provides perfect visibility even in narrow working sites and hard to reach regions. It enables the doctor to work with precision while reducing eyestrain even in long duration treatments.



Sound makes the difference in the treatment room.

Sound and noise are different in nature.... Royalroad is designed to suppress the unappreciated noise to ease patient's fear and discomfort while keeping a comfortable level of sound to ensure the doctor that it is properly running. It helps the doctor to focus on the procedures while creating a relaxed atmosphere in the treatment room.

Royalroad SDC1



Technical data

Water spray system	4 WAY SPRAY
Water spray volume	Above 50 mL/min
Head size	φ 11 x H 12.7mm
Power	27W
Weight	61g
Chuck type	PUSH
Cartridge	Direct-mount type
Ball bearing	Ceramic
Noise level	59dB
Supply air pressure	0.22±0.01 Mpa
Spray water pressure	0.20 ±0.01 Mpa
Maximum air consumption (at 0°C and 1 atmosphere pressure)	50L/min

No-Load rotation speed	360,000 ~ 420,000 r.p.m
Shank diameter	φ 1.59 ~ 1.60mm
Shank length	Above 11mm
Bur type	Standard bur
Coupling*	Yoshida Quick Coupling LX-503 (with simple one-click action feature)
Light	Glass optic rod
Optical bulb (Coupling)	LED
Maintenance oil*	Yoshida oil

* Sold separately.

The product specifications vary depending on the area of purchase. Please contact our international business division for more information.

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Second Edition